



Solar outdoor lighting, solar traffic calming solutions, roadway safety systems and LED replacement fixtures SolarPath Sun Solutions is a worldwide leader in the manufacturing and engineering of renewable energy (Solar) products, active roadway safety products and LED replacement solutions.

“Conserving our world’s precious energy;  
for our generation and many generations to come.”

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In coordination with Solar Path Sun Solutions, MSL USA focuses on outdoor, decoration, and indoor lights.

We custom build every light with the latest LED technology. Our goal is to design a unique LED fixture with our architect and engineers to achieve our customers goals or needs. We can also provide the customer with several options and they can choose which one they like.

All of our products are custom built and one of a kind.





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The SolarPath HIGHLIGHT SPWPLP™ is the most advanced and sophisticated solar light pole available on the market. The solar light pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching, which results in fast installation, easy operation and a low total cost of ownership. The curved vertically integrated solar panels are wind-resistant and self-cleaning, as dirt and dust cannot stick on the design. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance. The highly-efficient LED-luminaire provides powerful lighting at night.

## Key features

- Low installation and maintenance costs.
- Weather-proof and UV- proof.
- IP Rating 65
- High LED performance
- LED's operation life time over 70,000 hours.
- Light dimming engine.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical application.
- Battery inside pole or inside LED fixture.
- Wind- resistant and self cleaning.
- Coated with electrostatic spray for anti-salted, anti-acid, rust resistant.
- Aluminum housing for efficient heat dissipation.
- Dark Sky friendly.
- IDA Approved.

## Uses and Applications Guide

Streets lighting	●
Parking lots	●
Walking/bike path	●
Branch roads	●
Residential roads	●
Public parks	●

## Technical Specifications

Solar Module Parameters	Type	CIGS Amorphous flexible solar panel wrap on pole	
	Power	Up to 900W	
	Amount of solar modules	Up to 5 pcs	
Solar Charge Controller Parameters	Type	MPPT	
Battery type and parameters	Lithium (LifePO4)	12.8V or 25.6V Up to 150AH	
LED Light Parameters	Light Source Power	Up to 150W	
	Brightness	Up to 18,990 lm	
	CCT (Correlated Color Temperature)	3,000K-5,700K	
Operation profile	Programmable, depend on solar radiation.		
Operation Temperature	-4°F-131°F		
Pole Height	13ft-32ft		



## Ordering Guide: EXAMPLE: SPWPLP-A-80W-SLA-30W-1-30K—1-GR

Model	Solar Panel Quantity	Solar Panel	LED Head	Led Power	Distribution Type	Led Color Temp	Battery capacity	Arm	LED Body color	Options
SPWPLP	A-1 panel	85W	SLA	30W	1 – Type I	30K	30AH	1 – Single arm	GR- Grey *other colors are available	00 – No motion sensor 01 – With motion sensor
	B-2 panels	90W	SLB	40W	2 – Type II	40K	40AH	2 – Double arm		
	C-3 panels	100W	SLG	60W	3 – Type III	50K	50AH			
	D-4 panels	150W	SLE	80W	4 – Type IV	57K	60AH			
	E-5 panels	180W	SRS	90W	5 – Type V		80AH			
			SRL	120W			100AH			
			SKA	150W			120AH			
			SKB				150AH			
			SIA							
			SIB							
			SID							
			SIC							
			FLA							
			FLB							
			FLC							



\*Up on request





The SOLARPATh HIGHLIGHT SP-SWBL™ is the most advanced and sophisticated solar light pole available on the market. The solar light pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching, which results in fast installation, easy operation and a low total cost of ownership. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance. The highly efficient LED-luminaire provides powerful lighting at night.

## Advantage

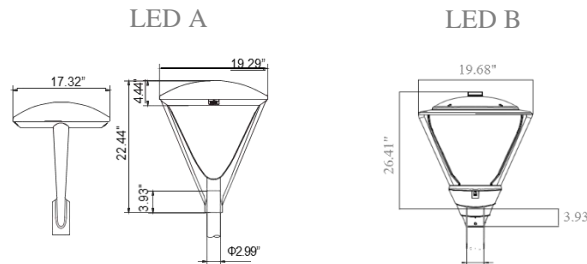
- CIGS Amorphous flexible solar panel wrap on pole
- Maintenance free.
- High LED performance.
- Battery and controller panel are build inside of pole.
- Controller: Optically control. Time control, anti-over-discharge and short-circuit resistant.
- Material: Aluminum alloy, steel pole coated with electrostatic spray, anti-salted, anti- acid, weather and rust resistant.
- IP65

## Technical Specifications

Solar Module Parameters	Type	CIGS Amorphous flexible solar panel wrap on pole	
	Power	Up to 800W	
Solar Charge Controller Parameters	Type	MPPT	
Battery type and parameters	Lithium (NMC)	Up to 150AH	
LED Light Parameters	Light Source Power	Up to 90W	
	Brightness	Up to 11,520 lm	
	CCT (Correlated Color Temperature)	3,000K-6,000K/ Amber	
Operation profile	Dusk to dawn (dim per to solar radiation)		
Operation Temperature	26.6°F-113°F		
Height	Customized per to customer requirement		

## Uses and Applications Guide

Streets lighting	●
Parking lots	●
Walking/bike path	●
Branch roads	●
Residential roads	●
Public parks	●



## Ordering guide: Example- SP-SWBL-A-80W-A-20W-2-30K-20AH-XXft-BLK

Model	Solar panel qty.	Solar panel	LED Head	LED Power	Distribution Type	Color Temp.	Battery capacity	Pole height	Body color
SP-SWBL	A - 1 panel B - 2 panels C - 3 panels D - 4 panels	80W 100W 120W 150W 170W 200W	A - B -	20W 30W 40W 50W 60W 70W 80W 90W	2 - Type II 3 - Type III 4 - Type IV 5 - Type V	30K 40K 50K 60K Amber	20AH 40AH 60AH 100AH 120AH 150AH	XX FT	BLK-Black GR-Grey *other colors available upon request



\*Up on request



## Key features

- Low installation and maintenance costs.
- Weather-proof and UV- proof.
- IP Rating IP66
- High LED performance
- LED's operation life time over 70,000 hours.
- Light dimming engine.
- LED strings shunt protection.
- Battery inside pole.
- Wind- resistant and self cleaning.
- Coated with electrostatic spray for anti-salted, anti-acid, rust resistant.
- Material: die cast aluminum reflector and flat or lenticular tempered glass cover.

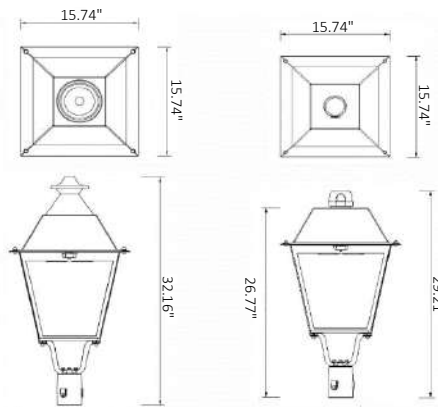
The SolarPath HIGHLIGHT SP-WSDL™ is the most advanced and sophisticated solar light pole available on the market. The solar light pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching, which results in fast installation, easy operation and a low total cost of ownership. The curved vertically integrated solar panels are wind-resistant and self-cleaning, as dirt and dust cannot stick on the design. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance. The highly-efficient LED-luminaire provides powerful lighting at night.

## Technical Specifications



Solar Module Parameters	Type	CIGS Flexible Module	
	Power	Up to 540W	
Solar Charge Controller Parameters	Type	MPPT	
	Battery type and parameters	LifePO4	Up to 150AH
LED Light Parameters	Light Source Power	Up to 60W	
	Brightness	Up to 7,404 lm	
	CCT (Correlated Color Temperature)	3,000K-6,500K	
Operation profile	Programmable, depend on solar radiation.		
Operation Temperature	26.6°F-113°F		
Pole Height	Up to 25 Ft		

## Uses and Applications Guide

Streets lighting	●
Parking lots	●
Walking/bike path	●
Branch roads	●
Residential roads	●
Public parks	●



## Ordering Guide: EXAMPLE: HIGHLIGHT SP-WSDL -A-80W-SF-20W-2-30K-20AH-12ft-BLK-00

Model	Solar Panel Quantity	Solar Panel	LED Head	Led Power	Distribution Type	Led Color Temp	Battery capacity	Pole Height	LED Body color	Options
HIGHLIGHT SP-WSDL	A-1 panel	85W	SF - 	20W	2 - Type II	30K	20AH	12FT	BLK- Black	00 - No motion sensor
	B-2 panels	90W		30W						
	C-3 panels	100W	RF - 	40W		50K	60AH	20FT		
		150W		50W		65K	100AH	25FT		
		180W		60W			120AH			
							150AH			



\*Up on request



The SolarPath HIGHLIGHT SPWSPDL™ is the most advanced and sophisticated solar light pole available on the market. The solar light pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching, which results in fast installation, easy operation and a low total cost of ownership. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance. The highly efficient LED-luminaire provides powerful lighting at night.

## Advantage

- CIGS Amorphous flexible solar panel wrap on pole
- Maintenance free.
- High LED performance.
- Controller: Optically control. Time control, anti-over-discharge and short-circuit resistant.
- Material: Aluminum alloy, steel pole coated with electrostatic spray, anti-salted, anti- acid, weather and rust resistant.
- IP65

## Uses and Applications Guide

Streets lighting	●
Parking lots	●
Walking/bike path	●
Branch roads	●
Residential roads	●
Public parks	●

## Technical Specifications

Solar Module Parameters	Type	CIGS Amorphous flexible solar panel wrap on pole	
	Power	360W	
Solar Charge Controller Parameters	Type	MPPT	
Battery type and parameters	Lithium (NMC)	40AH	
LED Light Parameters	Light Source Power	30W	
	Brightness	Up to 4,500 lm	
	CCT (Correlated Color Temperature)	3,000–6,000K	
Operation profile	Dusk to dawn (dim per to solar radiation)		
Operation Temperature	-4°F–131°F		
Pole Height	Up to 19 ft		



Ordering guide: Example- A-80W-30W-30K-40AH-13-GR

Model	Solar panel qty.	Solar panel	LED Power	Color Temperature	Battery capacity	Pole height	Body color
SPWSPDL	A – 1 panel	85W	30W	30K	40AH	13ft	GR-Grey *other colors available upon request
	B – 2 panels	90W		40K		15ft	
		100W		50K		17ft	
		150W		60K		19ft	
		180W					



\*Up on request



The SolarPath HIGHLIGHT SPWSPDL-LA™ is the most advanced and sophisticated solar light pole available on the market. The solar light pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching, which results in fast installation, easy operation and a low total cost of ownership. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance. The highly efficient LED-luminaire provides powerful lighting at night.

## Advantage

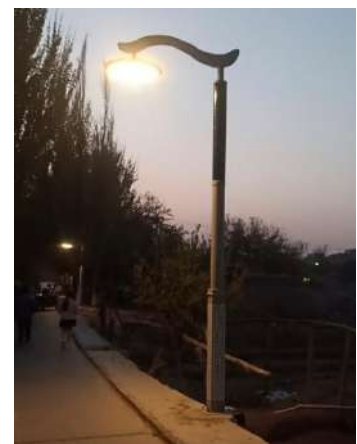
- CIGS Amorphous flexible solar panel wrap on pole
- Maintenance free.
- High LED performance.
- MPPT time control, anti-overcharge and short-circuit resistance.
- Steel post.
- IP 65

## Uses and Applications Guide

Streets lighting	●
Parking lots	●
Walking/bike path	●
Residential roads	●
Public parks	●
Pathway	●

## Technical Specifications

Solar Module Parameters	Type	CIGS Amorphous flexible solar panel wrap on pole	
	Power	Up to 360W (2 x 180W CIGS solar panel on pole + 30W solar panel on top of the LED fixture)	
Solar Charge Controller Parameters	Type	MPPT	
Battery type and parameters	Lithium (NMC)	Up to 60AH	
LED Light Parameters	Light Source Power	30W	
	Brightness	Up to 2,454 lm	
	CCT (Correlated Color Temperature)	3,000/6,000K	
Operation profile	Dusk to dawn (dim per to solar radiation)		
Operation Temperature	-4°F - 131°F		
Pole Height	Up to 19ft		



Example: SPWSPDL-LA-A-80W-30W-30K-40AH-13-GR

## Ordering guide:

Model	Solar panel qty.	Solar panel	Led Power	LED color	Battery capacity	Pole height	Body color
SPWSPDL-LA	A – 1 Panel	85W	30W	30K	30AH	13ft	GR-Grey *other color available up on request
	B – 2 Panels	90W			40AH	15ft	
		100W			50AH	17ft	
		150W			60AH	19ft	
		180W			80AH		
		*Additional 30W solar panel on LED fixture			100AH		
					120AH		
	150AH						



\*Up on request



The SolarPath HIGHLIGHT SP-DSBL™ is the most advanced and sophisticated solar light pole available on the market. The solar light pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching, which results in fast installation, easy operation and a low total cost of ownership. The curved vertically integrated solar panels are wind-resistant and self-cleaning, as dirt and dust cannot stick on the design. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance. The highly-efficient LED-luminaire provides powerful lighting at night.

## Key features

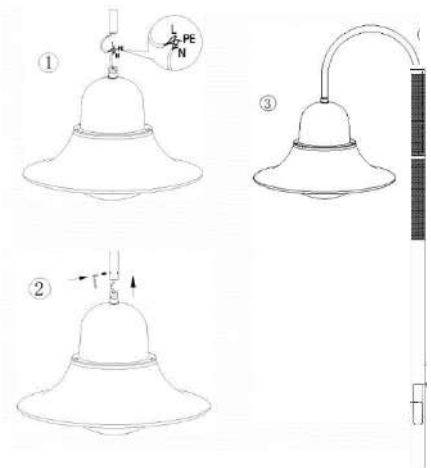
- Low installation and maintenance costs.
- Weather-proof and UV- proof.
- IP Rating IP66
- High LED performance
- LED's operation life time over 70,000 hours.
- Light dimming engine.
- LED strings shunt protection.
- Battery inside pole.
- Wind- resistant and self cleaning.
- Coated with electrostatic spray for anti-salted, anti-acid, rust resistant.
- Material: die cast aluminum reflector and flat or lenticular tempered glass cover.
- IDA Approved.

## Technical Specifications

Solar Module Parameters	Type	CIGS Flexible Module
	Power	Up to 540W
Solar Charge Controller Parameters	Type	MPPT
Battery type and parameters	LifePO4	Up to 150AH
LED Light Parameters	Light Source Power	Up to 60W
	Brightness	Up to 7,404 lm
	CCT (Correlated Color Temperature)	3,000K-6,500K
Operation profile	Programmable, depend on solar radiation.	
Operation Temperature	26.6°F-113°F	
Pole Height	Up to 25 Ft	

## Uses and Applications Guide

Streets lighting	●
Parking lots	●
Walking/bike path	●
Branch roads	●
Residential roads	●
Public parks	●



## Ordering Guide: EXAMPLE: HIGHLIGHT SP-DSBL -A-180W-FLA-30W-1-30K—60AH-GR-00

Model	Solar Panel Quantity	Solar Panel	Led Power	Distribution Type	Led Color Temp	Battery capacity	Pole Height	LED Body color	Options
HIGHLIGHT SP-DSBL	A-1 panel	85W	20W	2 – Type II	30K	60AH	16Ft	BLK- Black *other colors are available	00 – No motion sensor 01 – With motion sensor
	B-2 panels	90W	30W	5- Type V	40K	100AH	20Ft		
	C-3 panels	100W	40W		50K	120AH	25Ft		
		150W	50W		65K	150AH			
		180W	60W						







The SolarPath HIGHLIGHT LLWP™ all in one is the most advanced and sophisticated solar light pole available on the market. The solar light pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching, which results in fast installation, easy operation and a low total cost of ownership. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance. The highly efficient LED-luminaire provides powerful lighting at night.

## Technical Specifications

### Advantage

- CIGS Amorphous flexible solar panel wrap on pole
- Maintenance free.
- All in one.
- High LED performance.
- Controller: Optically control. Time control, anti-over-discharge and short-circuit resistant.
- Material: Aluminum alloy, steel pole coated with electrostatic spray, anti-salted, anti-acid, weather and rust resistant.
- IP65

Solar Module Parameters	Type	CIGS Amorphous flexible solar panel wrap on pole	
	Power	Up to 360W	
Solar Charge Controller Parameters	Type	MPPT	
Battery type and parameters	LifePO4 Lithium Battery	Up to 12V/60AH	
LED Light Parameters	Light Source Power	Up to 60W	
	Brightness	Up to 9,000 lm	
	CCT (Correlated Color Temperature)	3,000-6,000K	
Operation profile	Dusk to dawn (dim per to solar radiation)		
Operation Temperature	-4°F-140°F		
Pole Height	Up to 20 ft		

### Uses and Applications Guide

Streets lighting	●
Parking lots	●
Walking/bike path	●
Branch roads	●
Residential roads	●
Public parks	●



### Ordering Guide: LLWP- A-80W-30W-30K-25AH-15ft-GR

Model	Solar panel qty.	Solar panel	LED Power	Color Temperature	Battery capacity	Pole height	Body color
LLWP	A- 1 panel	85W	30W	30K	25AH	15 ft	GR-Grey
		90W	40W	40K	40AH	20 ft	BLK- Black
	B- 2 panels	100W	50W	60K	50AH		
		150W	60W		60AH		
		180W			80AH		
					100AH		
				120AH			
					150AH		



\*Up on request



The SOLARPATH HIGHLIGHT SP-WPTB™ is the most advanced and sophisticated solar light pole available on the market. The solar light pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching, which results in fast installation, easy operation and a low total cost of ownership. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance. The highly efficient LED-luminaire provides powerful lighting at night.

## Advantage

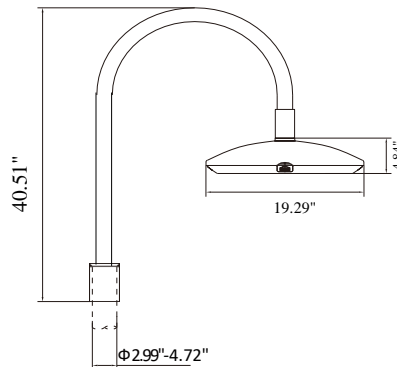
- CIGS Amorphous flexible solar panel wrap on pole
- Maintenance free.
- High LED performance.
- Battery and controller panel are build inside of pole.
- Controller: Optically control. Time control, anti-over-discharge and short-circuit resistant.
- Material: Aluminum alloy, steel pole coated with electrostatic spray, anti-salted, anti- acid, weather and rust resistant.
- IP65

## Technical Specifications

Solar Module Parameters	Type	CIGS Amorphous flexible solar panel wrap on pole
	Power	Up to 720W
Solar Charge Controller Parameters	Type	MPPT
Battery type and parameters	Lithium (NMC)	Up to 150AH
LED Light Parameters	Light Source Power	Up to 100W
	Brightness	Up to 14,300 lm
	CCT (Correlated Color Temperature)	3,000K-6,000K/ Amber
Operation profile	Dusk to dawn (dim per to solar radiation)	
Operation Temperature	-31°F-122°F	
Height	Customized per to customer requirement	

## Uses and Applications Guide

Streets lighting	●
Parking lots	●
Walking/bike path	●
Branch roads	●
Residential roads	●
Public parks	●



## Ordering guide: Example- HIGHLIGHT SP-WPTB-A-80W-20W-4-30K-20AH-XXft-BLK

Model	Solar panel qty.	Solar panel	LED Power	Distribution Type	Color Temp.	Battery capacity	Pole height	Body color
HIGHLIGHT SP-WPTB	A – 1 panel	85W	20W	4 – Type IV	30K	20AH	XX FT	BLK-Black GR-Grey *other colors available upon request
	B – 2 panels	90W	30W	5 – Type V	40K	40AH		
	C – 3 panels	100W	40W		50K	60AH		
	D – 4 panels	150W	50W		60K	100AH		
		180W	60W		Amber	120AH		
		70W	70W		150AH			
		80W						
		90W						
		100W						



\*Up on request



The SOLARPATH HIGHLIGHT SP-WPTC is the most advanced and sophisticated solar light pole available on the market. The solar light pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching, which results in fast installation, easy operation and a low total cost of ownership. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance. The highly efficient LED-luminaire provides powerful lighting at night.

## Advantage

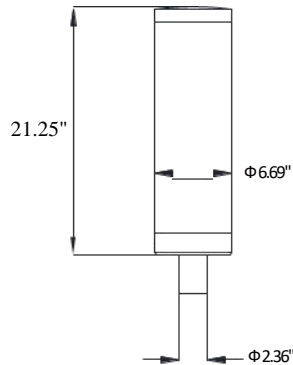
- CIGS Amorphous flexible solar panel wrap on pole
- Maintenance free.
- High LED performance.
- Battery and controller panel are build inside of pole.
- Controller: Optically control. Time control, anti-over-discharge and short-circuit resistant.
- Material: Aluminum alloy, steel pole coated with electrostatic spray, anti-salted, anti- acid, weather and rust resistant.
- IP65

## Technical Specifications

Solar Module Parameters	Type	CIGS Amorphous flexible solar panel wrap on pole	
	Power	Up to 720W	
Solar Charge Controller Parameters	Type	MPPT	
Battery type and parameters	Lithium (NMC)	Up to 150AH	
LED Light Parameters	Light Source Power	Up to 50W	
	Brightness	Up to 6,500 lm	
	CCT (Correlated Color Temperature)	3,000K-6,000K/ Amber	
Operation profile	Dusk to dawn (dim per to solar radiation)		
Operation Temperature	-31°F-122°F		
Height	Customized per to customer requirement		

## Uses and Applications Guide

Streets lighting	●
Parking lots	●
Walking/bike path	●
Branch roads	●
Residential roads	●
Public parks	●



## Ordering guide: Example-HIGHLIGHT SP-WPTC-A-80W-20W-4-30K-20AH-XXft-BLK

Model	Solar panel qty.	Solar panel	LED Power	Distribution Type	Color Temp.	Battery capacity	Pole height	Body color
HIGHLIGHT SP-WPTC	A – 1 panel	85W	30W	3 – Type III	30K	20AH	XX FT	BLK-Black GR-Grey *other colors available upon request
	B – 2 panels	90W	40W		5 – Type V	40K		
	C – 3 panels	100W	50W	50K		60AH		
	D – 4 panels	150W	180W	60K		100AH		
		Amber		120AH				
					150AH			



\*Up on request



The SOLARPATh HIGHLIGHT SP-WPTE™ is the most advanced and sophisticated solar light pole available on the market. The solar light pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching, which results in fast installation, easy operation and a low total cost of ownership. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance. The highly efficient LED-luminaire provides powerful lighting at night.

## Advantage

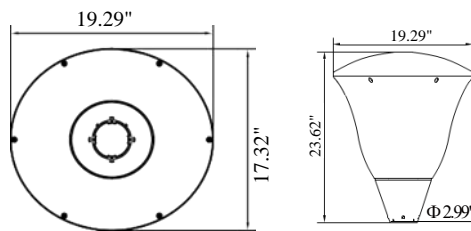
- CIGS Amorphous flexible solar panel wrap on pole
- Maintenance free.
- High LED performance.
- Battery and controller panel are build inside of pole.
- Controller: Optically control. Time control, anti-over-discharge and short-circuit resistant.
- Material: Aluminum alloy, steel pole coated with electrostatic spray, anti-salted, anti- acid, weather and rust resistant.
- IP65

## Technical Specifications

Solar Module Parameters	Type	CIGS Amorphous flexible solar panel wrap on pole
	Power	Up to 720W
Solar Charge Controller Parameters	Type	MPPT
Battery type and parameters	Lithium (NMC)	Up to 150AH
LED Light Parameters	Light Source Power	Up to 60W
	Brightness	Up to 8,400 lm
	CCT (Correlated Color Temperature)	3,000K-6,000K/ Amber
Operation profile	Dusk to dawn (dim per to solar radiation)	
Operation Temperature	-31°F-122°F	
Height	Customized per to customer requirement	

## Uses and Applications Guide

Streets lighting	●
Parking lots	●
Walking/bike path	●
Branch roads	●
Residential roads	●
Public parks	●



## Ordering guide: Example- HIGHLIGHT SP-WPTE -A-80W-20W-4-30K-20AH-XXft-BLK

Model	Solar panel qty.	Solar panel	LED Power	Distribution Type	Color Temp.	Battery capacity	Pole height	Body color
HIGHLIGHT SP-WPTE	A – 1 panel	85W	20W	4 – Type IV	30K	20AH	XX FT	BLK-Black GR-Grey *other colors available upon request
	B – 2 panels	90W	30W	5 – Type V	40K	40AH		
	C – 3 panels	100W	40W		50K	60AH		
	D – 4 panels	150W	50W		60K	100AH		
		180W	60W		Amber	120AH 150AH		



\*Up on request



The SOLARPATH HIGHLIGHT SP-WPTP™ is the most advanced and sophisticated solar light pole available on the market. The solar light pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching, which results in fast installation, easy operation and a low total cost of ownership. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance. The highly efficient LED-luminaire provides powerful lighting at night.

## Advantage

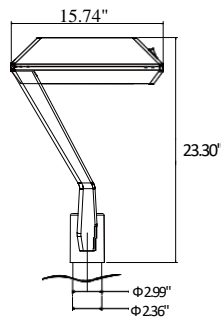
- CIGS Amorphous flexible solar panel wrap on pole
- Maintenance free.
- High LED performance.
- Battery and controller panel are build inside of pole.
- Controller: Optically control. Time control, anti-over-discharge and short-circuit resistant.
- Material: Aluminum alloy, steel pole coated with electrostatic spray, anti-salted, anti- acid, weather and rust resistant.
- IP65

## Uses and Applications Guide

Streets lighting	●
Parking lots	●
Walking/bike path	●
Branch roads	●
Residential roads	●
Public parks	●

## Technical Specifications

Solar Module Parameters	Type	CIGS Amorphous flexible solar panel wrap on pole
	Power	Up to 720W
Solar Charge Controller Parameters	Type	MPPT
Battery type and parameters	Lithium (NMC)	Up to 150AH
LED Light Parameters	Light Source Power	Up to 80W
	Brightness	Up to 9,680 lm
	CCT (Correlated Color Temperature)	3,000K-6,000K/ Amber
Operation profile	Dusk to dawn (dim per to solar radiation)	
Operation Temperature	-31°F-122°F	
Height	Customized per to customer requirement	



## Ordering guide: Example- SP-WPTP -A-80W-20W-4-30K-20AH-XXft-BLK

Model	Solar panel qty.	Solar panel	LED Power	Distribution Type	Color Temp.	Battery capacity	Pole height	Body color
SP-WPTP	A – 1 panel	85W	20W	4 – Type IV 5 – Type V	30K	20AH	XX FT	BLK-Black GR-Grey *other colors available upon request
	B – 2 panels	90W	30W		40K	40AH		
	C – 3 panels	100W	40W	50K	60AH			
	D – 4 panels	150W	50W	60K	100AH			
		180W	60W	Amber	120AH			
		70W			150AH			
		80W						



\*Up on request





The SOLARPATh HIGHLIGHT SP-WPTR™ is the most advanced and sophisticated solar light pole available on the market. The solar light pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching, which results in fast installation, easy operation and a low total cost of ownership. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance. The highly efficient LED-luminaire provides powerful lighting at night.

## Advantage

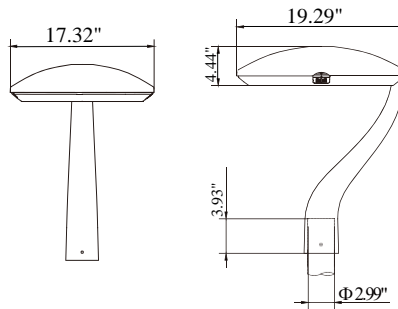
- CIGS Amorphous flexible solar panel wrap on pole
- Maintenance free.
- High LED performance.
- Battery and controller panel are build inside of pole.
- Controller: Optically control. Time control, anti-over-discharge and short-circuit resistant.
- Material: Aluminum alloy, steel pole coated with electrostatic spray, anti-salted, anti- acid, weather and rust resistant.
- IP65

## Technical Specifications

Solar Module Parameters	Type	CIGS Amorphous flexible solar panel wrap on pole
	Power	Up to 720W
Solar Charge Controller Parameters	Type	MPPT
Battery type and parameters	Lithium (NMC)	Up to 150AH
LED Light Parameters	Light Source Power	Up to 100W
	Brightness	Up to 13,500 lm
	CCT (Correlated Color Temperature)	3,000K-6,000K/ Amber
Operation profile	Dusk to dawn (dim per to solar radiation)	
Operation Temperature	-31°F-122°F	
Height	Customized per to customer requirement	

## Uses and Applications Guide

Streets lighting	●
Parking lots	●
Walking/bike path	●
Branch roads	●
Residential roads	●
Public parks	●



## Ordering guide: Example-HIGHLIGHT SP-WPTR-A-80W-20W-4-30K-20AH-XXft-BLK

Model	Solar panel qty.	Solar panel	LED Power	Distribution Type	Color Temp.	Battery capacity	Pole height	Body color
HIGHLIGHT SP-WPTR	A – 1 panel	85W	20W	4 – Type IV	30K	20AH	XX FT	BLK-Black GR-Grey *other colors available upon request
	B – 2 panels	90W	30W		5 – Type V	40K		
	C – 3 panels	100W	40W	50K		60AH		
	D – 4 panels	150W	50W	60K		100AH		
		180W	60W	Amber		120AH		
			70W			150AH		
			80W					
			90W					
			100W					



\*Up on request



The SOLARPATh HIGHLIGHT SP-WPTS™ is the most advanced and sophisticated solar light pole available on the market. The solar light pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching, which results in fast installation, easy operation and a low total cost of ownership. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance. The highly efficient LED-luminaire provides powerful lighting at night.

## Advantage

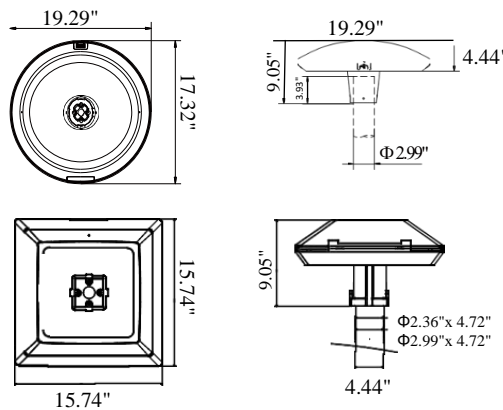
- CIGS Amorphous flexible solar panel wrap on pole
- Maintenance free.
- High LED performance.
- Battery and controller panel are build inside of pole.
- Controller: Optically control. Time control, anti-over-discharge and short-circuit resistant.
- Material: Aluminum alloy, steel pole coated with electrostatic spray, anti-salted, anti- acid, weather and rust resistant.
- IP65

## Uses and Applications Guide



Streets lighting	●
Parking lots	●
Walking/bike path	●
Branch roads	●
Residential roads	●
Public parks	●

## Technical Specifications

Solar Module Parameters	Type	CIGS Amorphous flexible solar panel wrap on pole	
	Power	Up to 720W	
Solar Charge Controller Parameters	Type	MPPT	
Battery type and parameters	Lithium (NMC)	Up to 150AH	
LED Light Parameters	Light Source Power	Up to 100W	
	Brightness	Up to 13,000 lm	
	CCT (Correlated Color Temperature)	3,000K-6,000K/ Amber	
Operation profile	Dusk to dawn (dim per to solar radiation)		
Operation Temperature	-31°F-122°F		
Height	Customized per to customer requirement		



## Ordering guide: Example-HIGHLIGHT SP-WPTS -A-80W-A-20W-5-30K-20AH-XXft-BLK

Model	Solar panel qty.	Solar panel	LED Head	LED Power	Distribution Type	Color Temp.	Battery capacity	Pole height	Body color
HIGHLIGHT SP-WPTS	A – 1 panel	85W	A- 	20W	5 – Type V	30K	20AH	XX FT	BLK-Black GR-Grey *other colors available upon request
	B – 2 panels	90W		30W					
	C – 3 panels	100W	B- 	40W		40K	40AH		
	D – 4 panels	150W		50W					
		180W		60W					
				70W					
				80W					
				90W					
			100W						



\*Up on request



The SOLARPATh HIGHLIGHT SP-NTGL™ is the most advanced and sophisticated solar light pole available on the market. The solar light pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching, which results in fast installation, easy operation and a low total cost of ownership. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance. The highly efficient LED-luminaire provides powerful lighting at night.

## Advantage

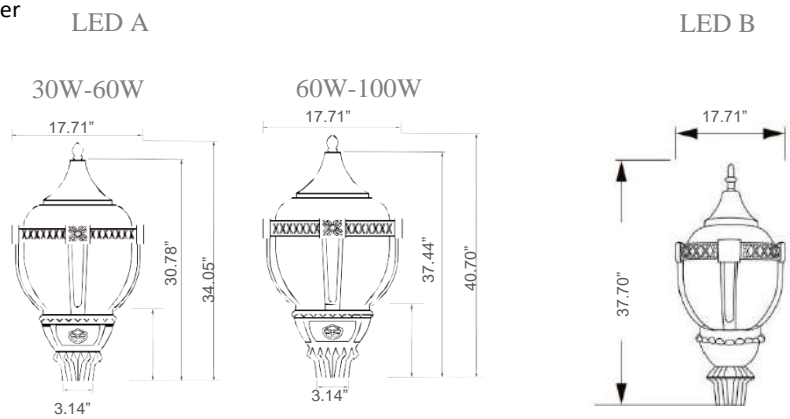
- CIGS Amorphous flexible solar panel wrap on pole
- Maintenance free.
- High LED performance.
- Battery and controller panel are build inside of pole.
- Controller: Optically control. Time control, anti-over-discharge and short-circuit resistant.
- Material: Aluminum alloy, steel pole coated with electrostatic spray, anti-salted, anti- acid, weather and rust resistant.
- IP65

## Technical Specifications



Solar Module Parameters	Type	CIGS Amorphous flexible solar panel wrap on pole
	Power	Up to 900W
Solar Charge Controller Parameters	Type	MPPT
Battery type and parameters	Lithium (NMC)	Up to 150AH
LED Light Parameters	Light Source Power	Up to 100W
	Brightness	Up to 12,000 lm
	CCT (Correlated Color Temperature)	3,000K-6,000K/ Amber
Operation profile	Dusk to dawn (dim per to solar radiation)	
Operation Temperature	26.6°F-113°F	
Height	Customized per to customer requirement	

## Uses and Applications Guide

Streets lighting	●
Parking lots	●
Walking/bike path	●
Branch roads	●
Residential roads	●
Public parks	●



## Ordering guide: Example- SP-NTGL -A-85W-A -30W-5-30K-20AH-XXft-BLK

Model	Solar panel qty.	Solar panel	LED Head	LED Power	Distribution Type	Color Temp.	Battery capacity	Pole height	Body color
SP-NTGL	A – 1 panel	85W		30W	3 – Type III 4 – Type IV 5 – Type V	30K 40K 50K 57K Amber	20AH 40AH 60AH 100AH 120AH 150AH	XX FT	BLK-Black *other colors available upon request
	B – 2 panels	90W		50W					
	C – 3 panels	100W		60W					
	D – 4 panels	150W		80W					
		180W		100W					



### \*Up on request

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The SOLARPATH HIGHLIGHT SP-WPTX™ is the most advanced and sophisticated solar light pole available on the market. The solar light pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching, which results in fast installation, easy operation and a low total cost of ownership. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance. The highly efficient LED-luminaire provides powerful lighting at night.

## Advantage

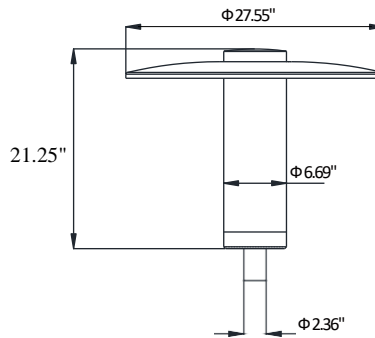
- CIGS Amorphous flexible solar panel wrap on pole
- Maintenance free.
- High LED performance.
- Battery and controller panel are build inside of pole.
- Controller: Optically control. Time control, anti-over-discharge and short-circuit resistant.
- Material: Aluminum alloy, steel pole coated with electrostatic spray, anti-salted, anti- acid, weather and rust resistant.
- IP65

## Uses and Applications Guide

Streets lighting	●
Parking lots	●
Walking/bike path	●
Branch roads	●
Residential roads	●
Public parks	●

## Technical Specifications

Solar Module Parameters	Type	CIGS Amorphous flexible solar panel wrap on pole
	Power	Up to 720W
Solar Charge Controller Parameters	Type	MPPT
Battery type and parameters	Lithium (NMC)	Up to 150AH
LED Light Parameters	Light Source Power	Up to 50W
	Brightness	Up to 6,500 lm
	CCT (Correlated Color Temperature)	3,000K-6,000K/ Amber
Operation profile	Dusk to dawn (dim per to solar radiation)	
Operation Temperature	-31°F-122°F	
Height	Customized per to customer requirement	



## Ordering guide: Example- SP-WPTX -A-80W-20W-4-30K-20AH-XXft-BLK

Model	Solar panel qty.	Solar panel	LED Power	Distribution Type	Color Temp.	Battery capacity	Pole height	Body color
SP-WPTX	A – 1 panel	85W	30W	3 – Type III 5 – Type V	30K	20AH	XX FT	BLK-Black GR-Grey *other colors available upon request
	B – 2 panels	90W	40W		40K	40AH		
	C – 3 panels	100W	50W		50K	60AH		
	D – 4 panels	150W 180W			60K Amber	100AH 120AH 150AH		



\*Up on request



The SolarPath SP-SEP™ is the most advanced and sophisticated solar engine pole that supplies power that is available on the market. The solar light pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching. This results in fast installation, easy operation and a low total cost of ownership. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and requires minimum maintenance. A solar engine pole provides low voltage and you can connect devices such as solar security cameras, LED lighting, mobile devices charging, bike charging and much more.

### Technical Specifications

Solar Module Parameters	Type	CIGS Amorphous 360 degree wrap flexible solar panel
	Power	Up to 720W
Solar Charge Controller Parameters	Type	MPPT
Battery type and parameters	Lithium Battery	Up to 150AH
Operation Temperature	-4°F-131°F	
Pole Height	Up to 32 Ft	

### Advantage

- CIGS Amorphous 360 degree wrap flexible panel
- Security CCTV Camera (optional)
- Maintenance free.
- High LED performance.(Optional)
- Controller: Optically control. Time control, anti-over-discharge and short-circuit resistant.
- Material: Aluminum alloy, steel pole coated with electrostatic spray, anti-salted, anti- acid, weather and rust resistant.
- IP65

solar

### Uses and Applications Guide

Security camera	●
Parking lots	●
Walking/bike path	●
Branch roads	●
Residential roads	●
Public parks	●
Power supply	●
Advertisement	●
And many others	●



### Ordering Guide: SP-SEP-A-80W-30AH-10ft-GR-SC

Model	Solar panel qty.	Solar panel	Battery capacity	Pole height	Body color	Options
SP-SEP	A- 1 Panel	85W	30AH	10ft	GR- Grey BLK- Black (Other colors are available upon request)	SC-Security Camera
	B- 2 Panels	90W	40AH	13ft		
	C – 3 Panels	120W	50AH	16ft		
	D – 4 Panels	150W	60AH	20ft		
		180W	80AH	23ft		
		100AH	26ft			
		120AH	29ft			
		150AH	32ft			

\*Final part number will provide by the manufacturer.



\*Up on request





The SolarPath SP-SLSP™ is the most advanced and sophisticated solar LED sign light pole available on the market. The solar light sign pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching, which results in fast installation, easy operation, and a low total cost of ownership. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance. The highly efficient LED-luminaire provides powerful lighting at night. Sign is customized per the customer requirement. Solar sign lighting systems can be used for commercial, residential or neighborhood signs, and for internal or external illumination.

### Advantage

- CIGS Amorphous 360 degree wrap flexible solar panel Maintenance free.
- High LED performance.
- MPPT controller, anti-over-discharge and short-circuit resistant.
- Material: Aluminum alloy, steel pole coated with electrostatic spray, anti-salted, anti- acid, weather and rust resistant.
- IP65
- LED can be on the of the pole or in the middle of the pole.
- Sign material: Acrylic.
- Sign customize per customer requirement.

### Technical Specifications

Solar Module Parameters	Type	CIGS Amorphous 360 degree wrap flexible solar panel	
	Power	Up to 360W	
Solar Charge Controller Parameters	Type	MPPT	
Battery type and parameters	Lithium Battery	Up to 20AH	
LED Light Parameters (Optional)	Light Source Power	Up to 15W	
	CCT (Correlated Color Temperature)	3,000-6,000K	
Operation profile	Dusk to dawn (dim per to solar radiation)		
Operation Temperature	-4°F-131°F		
Pole Height	Up to 15Ft		

### Uses and Applications Guide

Streets name pole	●
Parking lots	●
Walking/bike path	●
Residential roads	●
Public parks	●



### Ordering Guide: SP-SLSP-A-80W-15W-30K-20AH-10FT-TP-GR

Model	Solar panel qty.	Solar panel	LED Power	Color Temperature	Battery capacity	Pole height	LED Location	Body color
SP-SLSP	A- 1 Panel B- 2 Panels	85W 90W 120W 150W 180W	15W	30K 40K 60K	20AH 40AH	10ft 15ft (Can customize)	TP- Top of the pole MP – Middle of the pole	GR- Grey BLK- Black (Other colors available up on request)



\*Up on request

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Solarpath’s solar powered LED bollard is an architectural independent lighting solution ideal for various applications such as parks, pathways, bike lanes, remote areas, golf courses, beach resorts, marinas, residential areas and landscape lighting projects.

The architectural patented design combined with a robust high LED lighting output in a high-grade construction makes it your ideal choice for all your self-contained lighting projects.

This solar powered outdoor lamp operates completely wirelessly, eliminating the need to dig across the property to install an electrical grid.

Energy storage and usage are controlled by a unique built-in self-decisive software algorithm. The curved vertically integrated solar panel is wind-resistant and self-cleaning, as dirt and dust cannot stick to the design. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance.

**Key features**

- CIGS Amorphous flexible solar panel wrap on pole
- Maintenance free.
- High LED performance.
- Controller: Optically control. Time control, anti-over-discharge and short-circuit resistant.
- Material: Aluminum alloy, steel pole coated with electrostatic spray, anti-salted, anti- acid, weather and rust resistant.
- IP65

**Technical Specifications**

Solar Module Parameters	Type	CIGS Amorphous flexible solar panel wrap on pole	
	Power	80W	
Solar Charge Controller Parameters	Type	MPPT	
	Battery type and parameters	LifePO4 Battery	12V/ 20AH
LED Light Parameters	Light Source Power	20W	
	Brightness	3,000lm	
	CCT (Correlated Color Temperature)	3,000K/4,000K	
Operation profile	Dusk to dawn (dim per to solar radiation)		
Operation Temperature	-4°F- 140°F		
Pole Height	Up to 9.8ft		

**Uses and Applications Guide**

Pathways	●
Bike Path	●
Gardens	●
Public Parks	●
Residential areas	●
Public parks	●
Landscaping	●



**Ordering Guide: SWPDL- 80W-20W-30K-20AH-SLV-UN**

Model	Solar Panel	Led Power	Led Color Temp	Battery options	Body Color	Solar panel location
SWPDL	80W	20W	30K 40K	20AH 30AH	SLV-Silver GR- Grey	UN-Solar panel under LED module OV-Solar panel over LED module



\*Up on request

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The SWPLB with solar wrap panel LED light is an architectural independent lighting solution ideally for various applications such as parks, pathways, bike lanes, remote areas, golf courses, beach resorts, marinas, residential areas and landscape lighting projects.

The architectural patented design in combination with a robust high LED lighting output in a high-grade construction makes it your ideal choice for all your self-contained lighting projects.

SWPLB works completely without wiring and gets its power from the sun, using a special energy storage system, which requires no replacement of batteries for several years.

Energy storage and usage is controlled by a unique built-in self-decisive software algorithm. Cloudy days or shaded areas, the intelligent energy saving SWPLB always provides perfect lighting conditions.

**Key features**

- Low installation and maintenance costs.
- Weatherproof and UV-proof.
- High LED performance.
- LED's operation lifetime over 70,000 hours.
- Light dimming engine.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical application.
- Battery enclosure.
- Wind- resistant and self-cleaning.

**Technical Specifications**

Solar Module Parameters	Type	CIGS Amorphous flexible solar panel wrap on pole
	Solar panel wattage	Up to 80W
LED Resource	Power	Up to 20W
	Color temperature	3,000K-6,000K (Other colors upon request)
Battery type and parameters	Lithium (NMC)	Up to 40AH
Operation profile	Programmable, depend on solar radiation.	
Operation Temperature	-4°F-140°F	
Dimensions (inch)	Up to 6.5' (Other height on request)	
Body color	Black (other colors upon request)	
Body material	Stainless steel/ Aluminum pole *Depend on quantity	

**Uses and Applications Guide**

Pathways	●
Bike Path	●
Gardens	●
Public Parks	●
Residential areas	●
Public parks	●
Landscaping	●



Solar panel wrap on a pole.



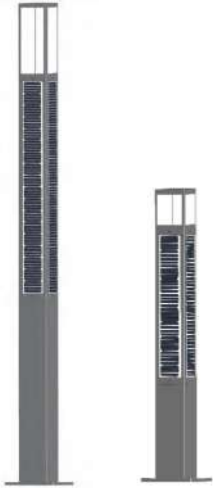
**Ordering guide: Example- SWPLB-50W-10-30K-20AH-BLK-4.9'-AB-00**

Model	Solar Panel	Led Power	Led Color Temp	Battery options	Body Color	Height	Installation option	Options
SWPLB	50W 80W	10W 15W 20W	30K 40K 60K	20AH 30AH 40AH	BLK- Black *Other colors upon request	4.9' 6.5'	AB- Anchor bolts	00- Motion Sensor 01- Without motion sensor



\*Up on request





The SolarPath SP-SBPS™ is the most advanced and sophisticated solar light pole available on the market. The solar light pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching, which results in fast installation, easy operation and a low total cost of ownership. The curved vertically integrated solar panels are wind-resistant and self-cleaning, as dirt and dust cannot stick on the design. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance. The highly-efficient LED-luminaire provides powerful lighting at night.

### Key features

- Low installation and maintenance costs.
- Weather-proof and UV- proof.
- IP Rating IP65
- High LED performance
- Battery inside pole.
- Wind- resistant and self cleaning.
- Controller: MPPT time control, anti-overcharge and short-circuit resistance.
- Aluminum pole (steel pole optional).

### Technical Specifications

Solar Module Parameters	Type	Mono solar panel
	Power	125W
Solar Charge Controller Parameters	Type	MPPT
Battery type and parameters	LifePO4	Up to 12V/25AH
LED Light Parameters	Light Source Power	Up to 20W
	Brightness	Up to 2,400 lm
	CCT (Correlated Color Temperature)	3,000K–6,000K
Operation profile	Programmable, depend on solar radiation.	
Operation Temperature	-4°F–140°F	
Pole Height	Up to 10 Ft	

### Uses and Applications Guide

Streets lighting	●
Parking lots	●
Walking/bike path	●
Branch roads	●
Residential roads	●
Public parks	●

### Ordering Guide: EXAMPLE: SP-SBPS-100W-20W-5-30K—25AH-GR-5FT-00

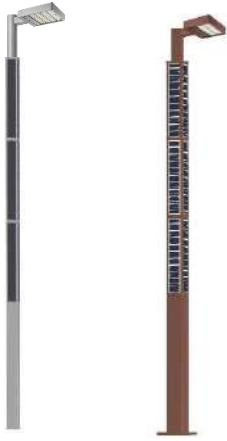
Model	Solar Panel	Led Power	Distribution Type	Led Color Temp	Battery capacity	LED Body color	Pole Height	Options
SP-SBPS	60W 80W 100W 125W	10W 15W 20W	5 – Type V	30K 40K 50K 60K	15AH 20AH 25AH	GR- Grey	5FT 6.5FT 10FT *customize	00 – No motion sensor 01 – With motion sensor



\*Up on request



# HIGHLIGHT SPSSB



The SolarPath HIGHLIGHT SPSSB™ is the most advanced and sophisticated solar light pole available on the market. The solar light pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching, which results in fast installation, easy operation and a low total cost of ownership. The curved vertically integrated solar panels are wind-resistant and self-cleaning, as dirt and dust cannot stick on the design. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance. The highly-efficient LED-luminaire provides powerful lighting at night.

## Key features

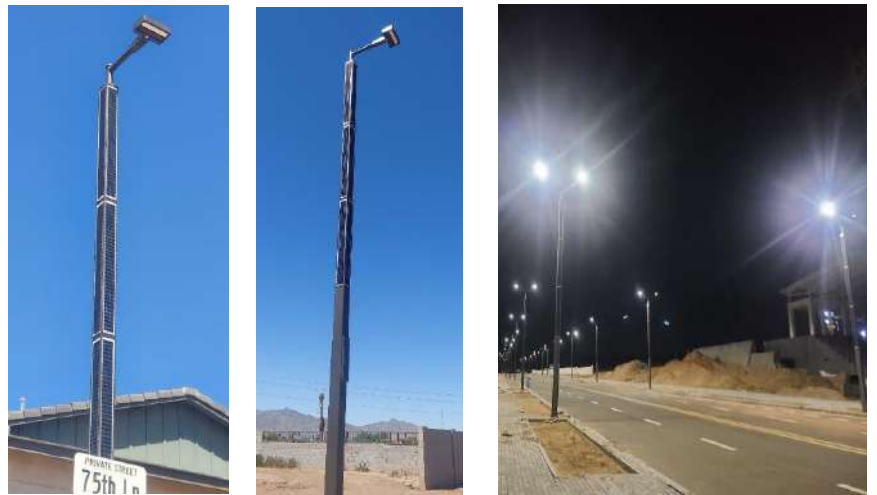
- Low installation and maintenance costs.
- Weather-proof and UV- proof.
- IP Rating IP65
- High LED performance
- LED's operation life time over 70,000 hours.
- Light dimming engine.
- LED strings shunt protection.
- Battery inside pole.
- Wind- resistant and self-cleaning.
- Coated with electrostatic spray for anti-salted, anti-acid, rust resistant.
- Double layer: steel hot galvanized + aluminum.
- Approved by IDA.

## Technical Specifications

Solar Module Parameters	Type	Monocrystalline Silicon	
	Power	Up to 1,120W(4x280W each)	
Solar Charge Controller Parameters	Type	MPPT	
	Battery type and parameters	LifePO4	Up to 100AH
LED Light Parameters	Light Source Power	Up to 150W	
	Brightness	Up to 21,000 lm	
	CCT (Correlated Color Temperature)	3,000K-5,700K	
Operation profile	Programmable, depend on solar radiation.		
Operation Temperature	-4°F-131°F		
Pole Height	Up to 30 Ft		

## Uses and Applications Guide

Streets lighting	●
Parking lots	●
Walking/bike path	●
Branch roads	●
Residential roads	●
Public parks	●



## Ordering Guide: EXAMPLE: HIGHLIGHT SPSSB-A-180W-FLA-30W-1-30K—60AH-GR-00

Model	Solar Panel Quantity	Solar Panel	LED Head	Led Power	Distribution Type	Led Color Temp	Battery capacity	LED Body color	Options
HIGHLIGHT SPSSB	A-1 panel	60W	FLA	30W	1 – Type I	30K	30AH	GR- Grey BR- Brown *other colors are available	00 – No motion sensor 01 – With motion sensor
	B-2 panels	80W	FLB	40W	2 – Type II	40K	40AH		
	C-3 panels	100W		60W	3 – Type III	50K	60AH		
	D- 4 panels	120W		80W	4 – Type IV	57K	80AH		
		200W		90W	5 – Type V		100AH		
		240W		120W					
	280W		150W						



\*Up on request

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The SolarPath HIGHLIGHT SPSTLH™ is the most advanced and sophisticated solar light pole available on the market. The solar light pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching, which results in fast installation, easy operation and a low total cost of ownership. The curved vertically integrated solar panels are wind-resistant and self-cleaning, as dirt and dust cannot stick on the design. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance. The highly-efficient LED-luminaire provides powerful lighting at night.

## Key features

- Low installation and maintenance costs.
- Weather-proof and UV- proof.
- IP Rating IP65
- High LED performance
- LED's operation life time over 70,000 hours.
- Light dimming engine.
- LED strings shunt protection.
- Battery inside pole.
- Wind- resistant and self cleaning.
- Coated with electrostatic spray for anti-salted, anti-acid, rust resistant.
- Double layer: steel hot galvanized + aluminum.

## Technical Specifications

Solar Module Parameters	Type	Monocrystalline Silicon
	Power	Up to 800W(4 x 200W each)
Solar Charge Controller Parameters	Type	MPPT
	Battery type and parameters	Up to 150AH
LED Light Parameters	Light Source Power	Up to 80W
	Brightness	Up to 12,800 lm
	CCT (Correlated Color Temperature)	3,000K-5,700K
Operation profile	Programmable, depend on solar radiation.	
Operation Temperature	-4°F- 131°F	
Pole Height	Up to 30 Ft	

## Uses and Applications Guide

Streets lighting	●
Parking lots	●
Walking/bike path	●
Branch roads	●
Residential roads	●
Public parks	●



## Ordering Guide: EXAMPLE: HIGHLIGHT SPSTLH-A-100W-30W-3-30K—60AH-GR-16FT-1-00

Model	Solar Panel Quantity	Solar Panel	Led Power	Distribution Type	Led Color Temp	Battery capacity	LED Body color	Pole Height	Arm	Options
HIGHLIGHT SPSTLH	A-1 panel	60W	30W	3 – Type III	30K	30AH	GR- Grey BR- Brown *other colors are available	16ft	1- Single 2-Dual	00 – No motion sensor 01 – With motion sensor
	B-2 panels	80W	40W		40K	60AH		20ft		
	C-3 panels	100W	50W		50K	100AH		25ft		
	C- 4 Panels	120W	60W		57K	120AH		30ft		
		200W	80W			150AH				

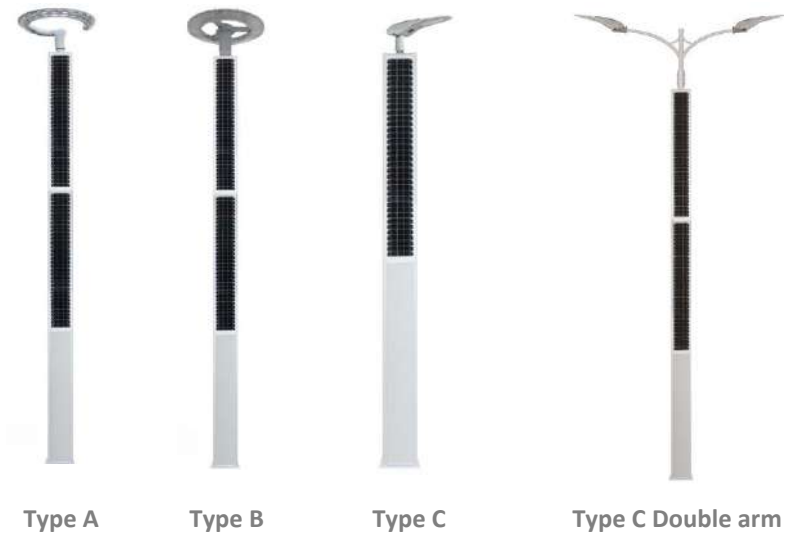


\*Up on request

The design of the garden light. absorbs energy from the universe, and combines it with high efficiency solar panel, LEDs. It adopts advantage technics such as microcontroller combines with integrated design to achieve multiple features such as low power consumption but high brightness, long lifespan and maintenance free, meanwhile with waterproof function and great thermal dissipation

**Key features:**

- Controller: Optically Control, Time Control, Anti-over discharge and Short-circuit Resistance
- Compact design for easy and safe installation
- Ultra-bright homogeneous LED light distribution
- Strong, weather-proof housing design
- Vandal resistant



**Uses and Applications Guide**

Commercial Plaza	●
Shopping mall	●
Landmark	●
Side street	●
Pedestrian crossing	●
Bike paths	●
Walking paths	●
Parks	●

**Technical Specifications**




Lighting and Operation

Lighting Technology	LED Light Technology
LED Power	Up to 60W
Brightness	Up to 7,000lm
CRL	CRI>70
Led Color Temperature	3,500K-6,000K
Battery	Integrated inside pole

Energy Collection and Storage

Solar Panel Power	Up to 540W
Solar panel type	Mono-crystalline photovoltaic panel
Battery type	LifoPO4 Lithium Battery
Battery Capability	Up to 819WH
Working Mode	1H 100%- 3H 80%- 8H 20% (Can be changed per to solar radiation)
IP Rating	IP68

Ordering Guide: EXAMPLE: SP-SGL-A-180W-20W-5-30K-268WH-GR-11-00

Model	Luminaire Type	Solar Panel	LED Power	Distribution type	Led color Temp	Battery Options	Body Color	Pole Height	Arm	Motion sensor
SP-SGL	A –  B –  C – 	180W 360W 540W	20W 40W 60W	2 – Type II (available for C only) 5 – Type V (available for A and B only)	30K 40K 50K 60K	268WH 537WH 819WH	Grey- GR (Any other color available with additional charge)	11 ft 16 ft 20 ft	1 – Single 2 – Double *available type C only	00 – no motion sensor 01- motion sensor *available type C only



\*Up on request

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The SolarPath HIGHLIGHT SP-SUN™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. The solar panel is wrapped and can be installed on a new or an existing pole. It is new technology. This product has both a solar engine and a LED light. The battery and controller are inside pole which allow this product to be used for, roads, parking lot, pathway, etc. The lighting fixture can be used up to 60W and can be controlled via remote control.

Technical Specifications

Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 540W
Solar Charge Controller Parameters	Type	MPPT (Maximum Power Point Tracking), infrared solar charging controller
	Battery	LifePO4
LED Light Parameters	Light Source Power	Up to 60W (Up to 7,620 lm)
	CCT (Correlated Color Temperature)	3,000K-6,000K/ Amber
	Color Rendering Index (CRI)	≥81
Control Modes	Manual ON/OFF / Automatically ON/OFF / Time Control	
Operation mode	Depend on installation area, can be programed with remote control,	
IP Rating	IP67	
Product size	light body	Depend On LED power
	solar panel	Depend On Solar Panel wattage
Net weight	light body	Depend On LED power
	solar panel	Depend On Solar Panel Wattage

Key features

- Can be installed on existing pole.
- Low installation and maintenance costs.
- Folding solar panel.
- IP 67 Rating.
- Solar powered outdoor lighting.
- Battery, solar controller are built inside of light.
- Good appearance, small size and lightweight, easy to install.
- Rust-proof, dustproof and waterproof.
- Energy saving 100% generated from solar less power consumption than traditional.

Uses and Applications Guide

Streets lighting	●
Parking lots	●
Residential roads	●
Public parks	●
Sports lighting	●



LED A



LED B



Ordering Guide

EXAMPLE: HIGHLIGHT SP-SUN -A-100W-A-30W-5-30K-24AH-BLK-00

Model	Solar Panel Quantity	Solar Panel	LED Head	Led Power	Distribution Type	Led Color Temp.	Battery options	LED Body Color	Motion sensor
HIGHLIGHT SP-SUN	A - 1 B - 2 C - 3	100W 120W 150W 180W	A - B -	20W 30W 40W 50W 60W	4 - Type IV 5 - Type V	30K 40K 60K Amber	12AH 18AH 24AH 30AH 36AH 42AH 48AH 54AH	BLK- Black	00 - no motion sensor 01 - motion sensor



\*Up on request





The SolarPath HIGHLIGHT SP-OCT-ATMS is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. The solar panel is wrapped and can be installed on a new or an existing pole. It is new technology. This product has both a solar engine and a LED light. The battery and controller are inside pole which allow this product to be used for, roads, parking lot, pathway, etc. The lighting fixture can be used up to 60W and can be controlled via remote control.

### Technical Specifications

Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 540W
Solar Charge Controller Parameters	Type	MPPT (Maximum Power Point Tracking), infrared solar charging controller
	Battery	LifePO4
LED Light Parameters	Light Source Power	Up to 60W (Up to 8,800 lm)
	CCT (Correlated Color Temperature)	3,000K-6,000K
	Color Rendering Index (CRI)	≥81
Control Modes	Manual ON/OFF / Automatically ON/OFF / Time Control	
Operation mode	Depend on installation area, can be programed with remote control,	
IP Rating	IP67	
Product size	light body	Depend On LED power
	solar panel	Depend On Solar Panel wattage

### Key features

- Can be installed on existing pole.
- Low installation and maintenance costs.
- Folding solar panel.
- IP 66 Rating.
- Solar powered outdoor lighting.
- Battery, solar controller are built inside of light.
- Good appearance, small size and lightweight, easy to install.
- Rust-proof, dustproof and waterproof.
- Energy saving 100% generated from solar less power consumption than traditional.

**\*Can customized per to customer requirement**

### Uses and Applications Guide

Streets lighting	●
Parking lots	●
Residential roads	●
Public parks	●
Sports lighting	●



### Ordering Guide

EXAMPLE: HIGHLIGHT SP-OCT-ATMS –A-100W-30W-5-30K-24AH-BLK-12'-00

Model	Solar Panel Quantity	Solar Panel	Led Power	Distribution Type	Led Color Temp.	Battery options	LED Body Color	Height	Motion sensor
HIGHLIGHT SP-OCT-ATMS	A - 1	100W	30W	5 - Type V	30K	12AH	BLK- Black	12'	00 - no motion sensor 01 - motion sensor
	B - 2	120W	60W		40K	18AH		17'	
	C - 3	150W	24AH		24AH	20'			
		180W			30AH	25'			
					36AH		*Can be customize		
					42AH				
					48AH				
					54AH				



\*Up on request

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The SolarPath HIGHLIGHT SP-SODL™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. The solar panel is wrapped and can be installed on a new or an existing pole. It is new technology. This product has both a solar engine and a LED light. The battery and controller are inside pole which allow this product to be used for, roads, parking lot, pathway, etc. The lighting fixture can be used up to 60W and can be controlled via remote control.

Technical Specifications

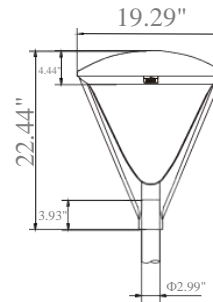
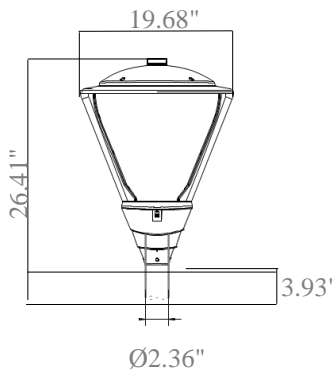
Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 540W
Solar Charge Controller Parameters	Type	MPPT (Maximum Power Point Tracking), infrared solar charging controller
	Battery	LifePO4
LED Light Parameters	Light Source Power	Up to 60W (Up to 7,680 lm)
	CCT (Correlated Color Temperature)	3,000K-6,000K/ Amber
	Color Rendering Index (CRI)	≥81
Control Modes	Manual ON/OFF / Automatically ON/OFF / Time Control	
Operation mode	Depend on installation area, can be programed with remote control,	
IP Rating	IP67	
Product size	light body	Depend On LED power
	solar panel	Depend On Solar Panel wattage
Net weight	light body	Depend On LED power
	solar panel	Depend On Solar Panel Wattage

Key features

- Can be installed on existing pole.
- Low installation and maintenance costs.
- Folding solar panel.
- IP 66 Rating.
- Solar powered outdoor lighting.
- Battery, solar controller are built inside of pole.
- Good appearance, small size and lightweight, easy to install.
- Rust-proof, dustproof and waterproof.
- Energy saving 100% generated from solar less power consumption than traditional.

Uses and Applications Guide

Streets lighting	<input checked="" type="checkbox"/>
Parking lots	<input checked="" type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>



Ordering Guide

EXAMPLE: HIGHLIGHT SP-SODL -A-140W-A-30W-2-30K-24AH-BLK-00

Model	Solar Panel Quantity	Solar Panel	LED Head	Led Power	Distribution Type	Led Color Temp.	Battery options	LED Body Color	Motion sensor
HIGHLIGHT SP-SODL	A - 1 B - 2 C - 3	100W 120W 150W 180W	A - B -	20W 30W 40W 50W 60W	2- Type II 3- Type III 4- Type IV 5 - Type V	30K 40K 60K Amber	12AH 18AH 24AH 30AH 36AH 42AH 48AH 54AH	BLK- Black *Other colors available	00 - no motion sensor 01 - motion sensor



\*Up on request

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The Solarpath HIGHLIGHT SP-OPTB™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. The solar panel is wrapped and can be installed on a new or an existing pole. It is new technology. This product has both a solar engine and a LED light. The battery and controller are inside pole which allow this product to be used for, roads, parking lot, pathway, etc. The lighting fixture can be used up to 80W and can be controlled via remote control.



### Key features

- Can be installed on existing pole.
- Low installation and maintenance costs.
- Folding solar panel.
- IP 67 Rating.
- Solar powered outdoor lighting.
- Battery, solar controller are built inside of light.
- Good appearance, small size and lightweight, easy to install.
- Rust-proof, dustproof and waterproof.
- Energy saving 100% generated from solar less power consumption than traditional.

### Technical Specifications

Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 540W
Solar Charge Controller Parameters	Type	MPPT (Maximum Power Point Tracking), infrared solar charging controller
Battery	LifePO4	Up to 54AH
LED Light Parameters	Light Source Power	Up to 80W (Up to 13,000 lm)
	CCT (Correlated Color Temperature)	3,000K-6,000K/ Amber
	Color Rendering Index (CRI)	≥81
Control Modes	Manual ON/OFF / Automatically ON/OFF / Time Control	
Operation mode	Depend on installation area, can be programed with remote control,	
IP Rating	IP67	
Product size	light body	Depend On LED power
	solar panel	Depend On Solar Panel wattage
Net weight	light body	Depend On LED power
	solar panel	Depend On Solar Panel Wattage

### Uses and Applications Guide

Parking lots	●
Residential roads	●
Public parks	●
Sports lighting	●



### Ordering Guide

EXAMPLE: HIGHLIGHT SP-OPTB -A-100W-A-30W-5-30K-24AH-BLK-00

Model	Solar Panel Quantity	Solar Panel	Led Power	Distribution Type	Led Color Temp.	Battery options	LED Body Color	Motion sensor
HIGHLIGHT SP-OPTB	A - 1	100W	30W	4 - Type IV 5 - Type V	30K 40K 60K Amber	12AH 18AH 24AH 30AH 36AH 42AH 48AH 54AH	BLK- Black	00 - no motion sensor 01 - motion sensor
	B - 2	120W	40W					
	C - 3	150W	50W					
		180W	60W 80W					



\*Up on request





The SolarPath HIGHLIGHT SP-OPTX™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. The solar panel is wrapped and can be installed on a new or an existing pole. It is new technology. This product has both a solar engine and a LED light. The battery and controller are inside pole which allow this product to be used for, roads, parking lot, pathway, etc. The lighting fixture can be used up to 80W and can be controlled via remote control.

### Technical Specifications

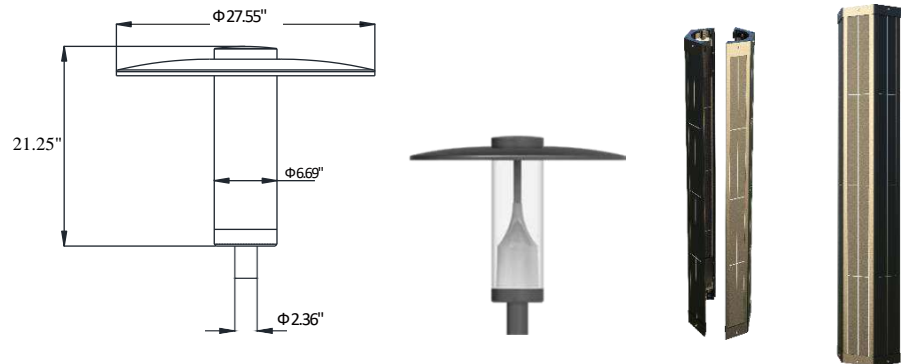
Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 540W
Solar Charge Controller Parameters	Type	MPPT (Maximum Power Point Tracking), infrared solar charging controller
Battery	LifePO4	Up to 54AH
LED Light Parameters	Light Source Power	Up to 80W (Up to 13,000 lm)
	CCT (Correlated Color Temperature)	3,000K-6,000K/ Amber
	Color Rendering Index (CRI)	≥81
Control Modes	Manual ON/OFF / Automatically ON/OFF / Time Control	
Operation mode	Depend on installation area, can be programed with remote control,	
IP Rating	IP67	
Product size	light body	Depend On LED power
	solar panel	Depend On Solar Panel wattage
Net weight	light body	Depend On LED power
	solar panel	Depend On Solar Panel Wattage

### Key features

- Can be installed on existing pole.
- Low installation and maintenance costs.
- Folding solar panel.
- IP 67 Rating.
- Solar powered outdoor lighting.
- Battery, solar controller are built inside of light.
- Good appearance, small size and lightweight, easy to install.
- Rust-proof, dustproof and waterproof.
- Energy saving 100% generated from solar less power consumption than traditional.

### Uses and Applications Guide

Parking lots	●
Residential roads	●
Public parks	●
Sports lighting	●



### Ordering Guide

EXAMPLE: HIGHLIGHT SP-OPTX-A-100W-A-30W-5-30K-24AH-BLK-00

Model	Solar Panel Quantity	Solar Panel	Led Power	Distribution Type	Led Color Temp.	Battery options	LED Body Color	Motion sensor
HIGHLIGHT SP-OPTX	A - 1	100W	30W	3 - Type III 5 - Type V	30K 40K 60K Amber	12AH 18AH 24AH 30AH 36AH 42AH 48AH 54AH	BLK- Black	00 - no motion sensor 01 - motion sensor
	B - 2	120W	40W					
	C - 3	150W 180W	50W 60W 80W					



\*Up on request





The SolarPath HIGHLIGHT SP-OPTC™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. The solar panel is wrapped and can be installed on a new or an existing pole. It is new technology. This product has both a solar engine and a LED light. The battery and controller are inside pole which allow this product to be used for, roads, parking lot, pathway, etc. The lighting fixture can be used up to 80W and can be controlled via remote control.

### Technical Specifications

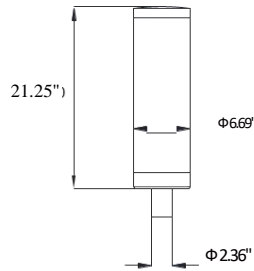
Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 540W
Solar Charge Controller Parameters	Type	MPPT (Maximum Power Point Tracking), infrared solar charging controller
Battery	LifePO4	Up to 54AH
LED Light Parameters	Light Source Power	Up to 80W (Up to 13,000 lm)
	CCT (Correlated Color Temperature)	3,000K-6,000K/ Amber
	Color Rendering Index (CRI)	≥81
Control Modes	Manual ON/OFF / Automatically ON/OFF / Time Control	
Operation mode	Depend on installation area, can be programed with remote control,	
IP Rating	IP67	
Product size	light body	Depend On LED power
	solar panel	Depend On Solar Panel wattage
Net weight	light body	Depend On LED power
	solar panel	Depend On Solar Panel Wattage

### Key features

- Can be installed on existing pole.
- Low installation and maintenance costs.
- Folding solar panel.
- IP 67 Rating.
- Solar powered outdoor lighting.
- Battery, solar controller are built inside of light.
- Good appearance, small size and lightweight, easy to install.
- Rust-proof, dustproof and waterproof.
- Energy saving 100% generated from solar less power consumption than traditional.

### Uses and Applications Guide

Parking lots	●
Residential roads	●
Public parks	●
Sports lighting	●



### Ordering Guide

EXAMPLE: HIGHLIGHT SP-OPTC -A-100W-A-30W-5-30K-24AH-BLK-00

Model	Solar Panel Quantity	Solar Panel	Led Power	Distribution Type	Led Color Temp.	Battery options	LED Body Color	Motion sensor
HIGHLIGHT SP-OPTC	A - 1	100W	30W	3 - Type III	30K	12AH	BLK- Black	00 - no motion sensor 01 - motion sensor
	B - 2	120W	40W	5 - Type V	40K	18AH		
	C - 3	150W 180W	50W 60W 80W		60K Amber	24AH 30AH 36AH 42AH 48AH 54AH		



\*Up on request





The SolarPath HIGHLIGHT SP-OPTETM is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. The solar panel is wrapped and can be installed on a new or an existing pole. It is new technology. This product has both a solar engine and a LED light. The battery and controller are inside pole which allow this product to be used for, roads, parking lot, pathway, etc. The lighting fixture can be used up to 80W and can be controlled via remote control.

### Technical Specifications

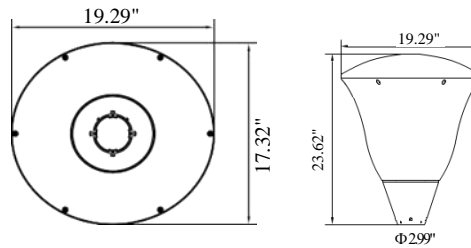
Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 540W
Solar Charge Controller Parameters	Type	MPPT (Maximum Power Point Tracking), infrared solar charging controller
Battery	LifePO4	Up to 54AH
LED Light Parameters	Light Source Power	Up to 80W (Up to 13,000 lm)
	CCT (Correlated Color Temperature)	3,000K-6,000K/ Amber
	Color Rendering Index (CRI)	≥81
Control Modes	Manual ON/OFF / Automatically ON/OFF / Time Control	
Operation mode	Depend on installation area, can be programed with remote control,	
IP Rating	IP67	
Product size	light body	Depend On LED power
	solar panel	Depend On Solar Panel wattage
Net weight	light body	Depend On LED power
	solar panel	Depend On Solar Panel Wattage

### Key features

- Can be installed on existing pole.
- Low installation and maintenance costs.
- Folding solar panel.
- IP 67 Rating.
- Solar powered outdoor lighting.
- Battery, solar controller are built inside of light.
- Good appearance, small size and lightweight, easy to install.
- Rust-proof, dustproof and waterproof.
- Energy saving 100% generated from solar less power consumption than traditional.

### Uses and Applications Guide

Parking lots	●
Residential roads	●
Public parks	●
Sports lighting	●



### Ordering Guide

EXAMPLE: HIGHLIGHT SP-OPTETM -A-100W-A-30W-5-30K-24AH-BLK-00

Model	Solar Panel Quantity	Solar Panel	Led Power	Distribution Type	Led Color Temp.	Battery options	LED Body Color	Motion sensor
HIGHLIGHT SP-OPTETM	A - 1	100W	30W	4 - Type IV	30K	12AH	BLK- Black	00 - no motion sensor 01 - motion sensor
	B - 2	120W	40W		5 - Type V	40K		
	C - 3	150W	50W	60K		24AH		
		180W	60W	80W	Amber	30AH		
						42AH		
						48AH		
						54AH		



\*Up on request





The SolarPath HIGHLIGHT SP-OPTP™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. The solar panel is wrapped and can be installed on a new or an existing pole. It is new technology. This product has both a solar engine and a LED light. The battery and controller are inside pole which allow this product to be used for, roads, parking lot, pathway, etc. The lighting fixture can be used up to 80W and can be controlled via remote control.

### Technical Specifications

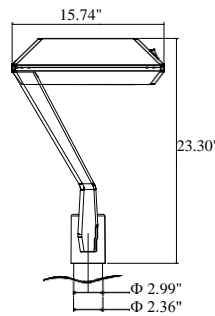
Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 540W
Solar Charge Controller Parameters	Type	MPPT (Maximum Power Point Tracking), infrared solar charging controller
Battery	LifePO4	Up to 54AH
LED Light Parameters	Light Source Power	Up to 80W (Up to 13,000 lm)
	CCT (Correlated Color Temperature)	3,000K-6,000K/ Amber
	Color Rendering Index (CRI)	≥81
Control Modes	Manual ON/OFF / Automatically ON/OFF / Time Control	
Operation mode	Depend on installation area, can be programed with remote control,	
IP Rating	IP67	
Product size	light body	Depend On LED power
	solar panel	Depend On Solar Panel wattage
Net weight	light body	Depend On LED power
	solar panel	Depend On Solar Panel Wattage

### Key features

- Can be installed on existing pole.
- Low installation and maintenance costs.
- Folding solar panel.
- IP 67 Rating.
- Solar powered outdoor lighting.
- Battery, solar controller are built inside of light.
- Good appearance, small size and lightweight, easy to install.
- Rust-proof, dustproof and waterproof.
- Energy saving 100% generated from solar less power consumption than traditional.

### Uses and Applications Guide

Parking lots	●
Residential roads	●
Public parks	●
Sports lighting	●



### Ordering Guide

EXAMPLE: HIGHLIGHT SP-OPTP-A-100W-A-30W-5-30K-24AH-BLK-00

Model	Solar Panel Quantity	Solar Panel	Led Power	Distribution Type	Led Color Temp.	Battery options	LED Body Color	Motion sensor	
HIGHLIGHT SP-OPTP	A - 1	100W	30W	4 - Type IV 5 - Type V	30K	12AH 18AH 24AH 30AH 36AH 42AH 48AH 54AH	BLK- Black	00 - no motion sensor 01 - motion sensor	
	B - 2	120W	40W		40K				
	C - 3	150W	50W	60K					
		180W	60W		Amber				



\*Up on request







The SolarPath HIGHLIGHT SP-OPTR™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. The solar panel is wrapped and can be installed on a new or an existing pole. It is new technology. This product has both a solar engine and a LED light. The battery and controller are inside pole which allow this product to be used for, roads, parking lot, pathway, etc. The lighting fixture can be used up to 80W and can be controlled via remote control.

### Technical Specifications

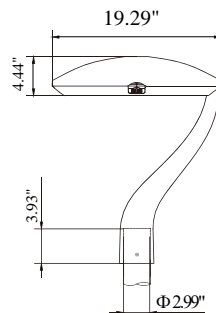
Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 540W
Solar Charge Controller Parameters	Type	MPPT (Maximum Power Point Tracking), infrared solar charging controller
Battery	LifePO4	Up to 54AH
LED Light Parameters	Light Source Power	Up to 80W (Up to 13,000 lm)
	CCT (Correlated Color Temperature)	3,000K-6,000K/ Amber
	Color Rendering Index (CRI)	≥81
Control Modes	Manual ON/OFF / Automatically ON/OFF / Time Control	
Operation mode	Depend on installation area, can be programed with remote control,	
IP Rating	IP67	
Product size	light body	Depend On LED power
	solar panel	Depend On Solar Panel wattage
Net weight	light body	Depend On LED power
	solar panel	Depend On Solar Panel Wattage

### Key features

- Can be installed on existing pole.
- Low installation and maintenance costs.
- Folding solar panel.
- IP 67 Rating.
- Solar powered outdoor lighting.
- Battery, solar controller are built inside of light.
- Good appearance, small size and lightweight, easy to install.
- Rust-proof, dustproof and waterproof.
- Energy saving 100% generated from solar less power consumption than traditional.

### Uses and Applications Guide

Parking lots	●
Residential roads	●
Public parks	●
Sports lighting	●



### Ordering Guide

EXAMPLE: HIGHLIGHT SP-OPTR -A-100W-A-30W-5-30K-24AH-BLK-00

Model	Solar Panel Quantity	Solar Panel	Led Power	Distribution Type	Led Color Temp.	Battery options	LED Body Color	Motion sensor
HIGHLIGHT SP-OPTR	A - 1	100W	30W	4 - Type IV	30K	12AH	BLK- Black	00 - no motion sensor 01 - motion sensor
	B - 2	120W	40W	5 - Type V	40K	18AH		
	C - 3	150W 180W	50W 60W 80W		60K Amber	24AH 30AH 36AH 42AH 48AH 54AH		



\*Up on request





The SolarPath HIGHLIGHT SP-OPTS™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. The solar panel is wrapped and can be installed on a new or an existing pole. It is new technology. This product has both a solar engine and a LED light. The battery and controller are inside pole which allow this product to be used for, roads, parking lot, pathway, etc. The lighting fixture can be used up to 80W and can be controlled via remote control.

Technical Specifications

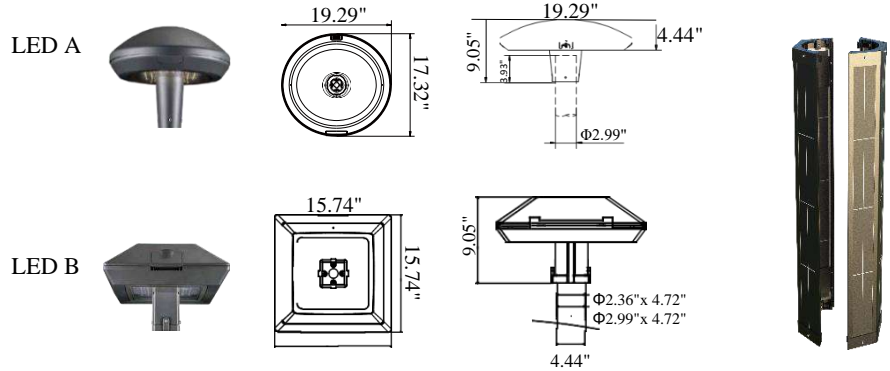
Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 540W
Solar Charge Controller Parameters	Type	MPPT (Maximum Power Point Tracking), infrared solar charging controller
	Battery	LifePO4
LED Light Parameters	Light Source Power	Up to 80W (Up to 13,000 lm)
	CCT (Correlated Color Temperature)	3,000K-6,000K/ Amber
	Color Rendering Index (CRI)	≥81
Control Modes	Manual ON/OFF / Automatically ON/OFF / Time Control	
Operation mode	Depend on installation area, can be programed with remote control,	
IP Rating	IP67	
Product size	light body	Depend On LED power
	solar panel	Depend On Solar Panel wattage
Net weight	light body	Depend On LED power
	solar panel	Depend On Solar Panel Wattage

Key features

- Can be installed on existing pole.
- Low installation and maintenance costs.
- Folding solar panel.
- IP 67 Rating.
- Solar powered outdoor lighting.
- Battery, solar controller are built inside of light.
- Good appearance, small size and lightweight, easy to install.
- Rust-proof, dustproof and waterproof.
- Energy saving 100% generated from solar less power consumption than traditional.

Uses and Applications Guide

Streets lighting	●
Parking lots	●
Residential roads	●
Public parks	●
Sports lighting	●



Ordering Guide

EXAMPLE: HIGHLIGHT SP-OPTS -A-100W-A-30W-5-30K-24AH-BLK-00

Model	Solar Panel Quantity	Solar Panel	LED Head	Led Power	Distribution Type	Led Color Temp.	Battery options	LED Body Color	Motion sensor
HIGHLIGHT SP-OPTS™	A - 1	100W	A -	30W	5 - Type V	30K 40K 60K Amber	12AH 18AH 24AH 30AH 36AH 42AH 48AH 54AH	BLK- Black	00 - no motion sensor 01 - motion sensor
	B - 2	120W		40W					
C - 3	150W	50W							
	180W	60W							
		80W							
			B -						



\*Up on request

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The Solarpath HIGHLIGHT SP-OCT-COBRA™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. The solar panel is wrapped and can be installed on a new or an existing pole. It is new technology. This product has both a solar engine and a LED light. The battery and controller are on the LED head which allow this product to be used for, roads, parking lot, pathway, etc. The lighting fixture can be used up to 120W and can be controlled via remote control.

Technical Specifications

Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 720W
Solar Charge Controller Parameters	Type	MPPT (Maximum Power Point Tracking), infrared solar charging controller
Battery	LifePO4	Up to 54AH
LED Light Parameters	Light Source Power	Up to 120W (Up to 18,000lm)
	CCT (Correlated Color Temperature)	3,000K-6,000K
	Color Rendering Index (CRI)	≥81
Control Modes	Manual ON/OFF / Automatically ON/OFF / Time Control	
Operation mode	Depend on installation area, can be programed with remote control.	
IP Rating	IP67	
Product size	light body	Depend On LED power
	solar panel	Depend On Solar Panel wattage
Net weight	light body	Depend On LED power
	solar panel	Depend On Solar Panel Wattage

Key features

- Can be installed on existing pole.
- Low installation and maintenance costs.
- Folding solar panel.
- IP 67 Rating.
- Solar powered outdoor lighting.
- Battery, solar controller is built inside of light.
- Good appearance, small size and lightweight, easy to install.
- Rust-proof, dustproof and waterproof.
- Energysaving 100% generated from solar less power consumption than traditional.

Uses and Applications Guide

Streets lighting	●
Parking lots	●
Residential roads	●
Public parks	●
Sports lighting	●

A



B



Ordering Guide

EXAMPLE: SP-OCT-COBRA-A-100W-A-20W-2-30K-12AH-1-GR-00

Model	Solar Panel Qty.	Solar Panel	LED Head	LED Power	Distribution Type	LED Color temp.	Battery Capacity	Arm	LED Body Color	Motion Sensor
HIGHLIGHT SP-OCT-COBRA	A - 1	100W	A- 	20W	2- Type II 3- Type III	30K	12AH	1 - Single arm 2 - Double arm	BLK - Black *Other colors are available	00 - No Motion Sensor 01 - Motion Sensor
	B - 2	120W		30W		40K	18AH			
	C - 3	150W	40W	50K	24AH					
	D - 4	180W	50W	60K	30AH					
			B- 	60W			36AH			
				70W			42AH			
				90W			48AH			
				100W			54AH			
				120W						



\*Up on request

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The SolarPath HIGHLIGHT SP-RDRGBL™ is the most advanced and sophisticated solar light pole available on the market. The solar light pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching, which results in fast installation, easy operation and a low total cost of ownership. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance. The highly efficient LED-luminaire provides powerful lighting at night .

## Advantage

- Monocrystalline solar panel
- Maintenance free.
- High LED performance.
- Easy installation
- Controller: Internal battery over- charge and dis- charge
- IP65

## Uses and Applications Guide

Walking/bike path	●
Branch roads	●
Residential roads	●
Public parks	●

## Technical Specifications

Solar Module Parameters	Type	Monocrystalline solar panel
	Power	Up to 40W
Solar Charge Controller Parameters	Type	MPPT
Battery type and parameters	LiFePO4	Up to 48AH
LED Light Parameters	Light Source Power	Up to 20W
	Brightness	Up to 2679 lm
	CCT (Correlated Color Temperature)	4,000/6,000K/RGB
Operation profile	Dusk to dawn (dim per to solar radiation) Operation with remote control ON/OFF 3H/5H	
Function	Intelligent light control+ remote control+ Bluetooth music rhythm	
LED head material	Die casting AL + PC(Anti-UV)	
Fixture Dimensions	9.76" x 22.83" x 3.07"	
Pole not included		



## Ordering guide:

Example: HIGHLIGHT SP-RDRGBL-32W-15W-50K-32AH-SLV

Model	Solar panel	LED Power	Color Temperature	Battery capacity	Body color
SP-RDRGBL	32W 40W	15W 20W	40K 60K RGB	32AH 48AH	SLV-Silver *Other colors are available up on request



\*Up on request



The SolarPath HIGHLIGHT SP-RDGL™ is the most advanced and sophisticated solar light pole available on the market. The solar light pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching, which results in fast installation, easy operation and a low total cost of ownership. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance. The highly efficient LED-luminaire provides powerful lighting at night .

## Technical Specifications

Solar Module Parameters	Type	Monocrystalline solar panel	
	Power	25W	
Solar Charge Controller Parameters	Type	MPPT	
Battery type and parameters	LiFePO4	36AH	
LED Light Parameters	Light Source Power	15W	
	Brightness	Up to 1,900 lm	
	CCT (Correlated Color Temperature)	3,000/6,000K	
Operation profile	Dusk to dawn (dim per to solar radiation)		
LED head material	Die-casting aluminum Led Light head + PC		
Pole Height (Recommended)	Up to 13FT		
Pole not included			

## Advantage

- Monocrystalline solar panel
- Maintenance free.
- High LED performance.
- Controller: Internal battery over- charge and dis- charge
- IP65

## Uses and Applications Guide

Streets lighting	●
Parking lots	●
Walking/bike path	●
Branch roads	●
Residential roads	●
Public parks	●



## Ordering guide:

Example: HIGHLIGHT SP-RDGL-25W-15W-30K-36AH-8FT-BLK

Model	Solar panel	LED Power	Color Temperature	Battery capacity	Pole height	Body color
SP-RDGL	25W	15W	30K 60K	36AH	8FT 13FT	BLK-Black



\*Up on request





The SolarPath HIGHLIGHT SP-SDGL-M™ is the most advanced and sophisticated solar light pole available on the market. The solar light pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching, which results in fast installation, easy operation and a low total cost of ownership. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance. The highly efficient LED-luminaire provides powerful lighting at night .

## Technical Specifications

Solar Module Parameters	Type	Monocrystalline solar panel	
	Power	45W	
Solar Charge Controller Parameters	Type	MPPT	
Battery type and parameters	LiFePO4	60AH	
LED Light Parameters	Light Source Power	30W	
	Brightness	Up to 4,000 lm	
	CCT (Correlated Color Temperature)	3,000/6,000K	
Operation profile	Dusk to dawn (dim per to solar radiation)		
LED head material	Die-casting aluminum Led Light head + PC		
Pole Height (Recommended)	Up to 16FT		
Pole not included			

## Advantage

- Monocrystalline solar panel
- Maintenance free.
- High LED performance.
- Controller: Internal battery over-charge and dis-charge
- IP65

## Uses and Applications Guide

Streets lighting	●
Parking lots	●
Walking/bike path	●
Branch roads	●
Residential roads	●
Public parks	●



## Ordering guide:

Example: HIGHLIGHT SP-SDGL-M-45W-30W-30K-60AH-11FT-BLK

Model	Solar panel	LED Power	Color Temperature	Battery capacity	Pole height	Body color
SP-SDGL-M	45W	30W	30K 60K	60AH	11FT 13FT 16FT	BLK-Black



\*Up on request



The SolarPath HIGHLIGHT SP-SDGL™ is the most advanced and sophisticated solar light pole available on the market. The solar light pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching, which results in fast installation, easy operation and a low total cost of ownership. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance. The highly efficient LED-luminaire provides powerful lighting at night .

## Technical Specifications

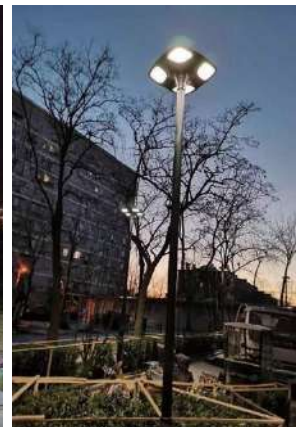
Solar Module Parameters	Type	Monocrystalline solar panel	
	Power	32W	
Solar Charge Controller Parameters	Type	MPPT	
	Battery type and parameters	LiFePO4	45AH
LED Light Parameters	Light Source Power	20W	
	Brightness	Up to 2,200 lm	
	CCT (Correlated Color Temperature)	3,000/6,000K	
Operation profile	Dusk to dawn (dim per to solar radiation)		
LED head material	Die-casting aluminum Led Light head + PC		
Pole Height (Recommended)	Up to 16FT		
Pole not included			

## Advantage

- Monocrystalline solar panel
- Maintenance free.
- High LED performance.
- Controller: Internal battery over- charge and dis- charge
- IP65

## Uses and Applications Guide

Streets lighting	●
Parking lots	●
Walking/bike path	●
Branch roads	●
Residential roads	●
Public parks	●



## Ordering guide:

Example: HIGHLIGHT SP-SDGL-25W-15W-30K-36AH-13FT-BLK

Model	Solar panel	LED Power	Color Temperature	Battery capacity	Pole height	Body color
SP-SDGL	25W	15W	30K 60K	36AH	13FT 16FT	BLK-Black WH-White



\*Up on request

# HIGHLIGHT SP-DSPL-N™



The SolarPath HIGHLIGHT SP-DSPL-N™ is the most advanced and sophisticated solar light pole available on the market. The solar light pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching, which results in fast installation, easy operation and a low total cost of ownership. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance. The highly efficient LED-luminaire provides powerful lighting at night.

## Technical Specifications

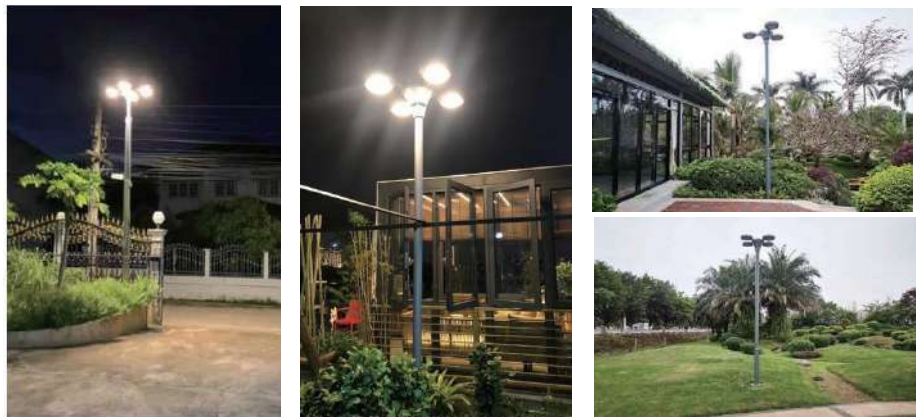
Solar Module Parameters	Type	Monocrystalline solar panel	
	Power	Up to 35W	
Solar Charge Controller Parameters	Type	MPPT	
Battery type and parameters	LiFePO4	Up to 40AH	
LED Light Parameters	Light Source Power	Up to 30W	
	Brightness	Up to 4,500 lm	
	CCT (Correlated Color Temperature)	3,000/6,000K	
Operation profile	Dusk to dawn (dim per to solar radiation)		
LED head material	Die-casting aluminum Led Light head + PC		
Pole Height (Recommended)	Up to 20FT		
Pole not included			

## Advantage

- Monocrystalline solar panel
- Maintenance free.
- High LED performance.
- Controller: Internal battery over-charge and dis-charge
- IP65




## Uses and Applications Guide

Streets lighting	●
Parking lots	●
Walking/bike path	●
Branch roads	●
Residential roads	●
Public parks	●



## Ordering guide:

Example: HIGHLIGHT SP-DSPL-N -21W-B-15W-30K-20AH-15FT-BLK

Model	Solar panel	LED Qty.	LED Power	Color Temp.	Battery capacity	Pole height	Body color
SP-DSPL-N	21W 28W 35W	 B- 2pcs	15W 20W 30W	30K 60K	20AH 30AH 40AH	15FT 20FT	BLK-Black
		 C- 3pcs					
		 D- 4pcs					



\*Up on request

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# HighLight HL-ML



The design of solar street light / courtyard light absorbs energy from the universe, and combines it with high efficiency solar panel, LEDs, and Lithium battery. It adopts advantage technics such as micro-controller, human infrared sensor and so on and combines with integrated design to achieve multiple features such as low power consumption but high brightness, long lifespan and maintenance free, meanwhile with waterproof function and great thermal dissipation. The intelligent control can be reprogrammed from the ground with an infrared before and after install. It is one of our great innovation patented products.



## Key features:

- Low installation and maintenance costs.
- IP67 Rating.
- High performance 1W LEDs with 140lm/w.
- Light dimming engine.
- Led's operating life time over 100,000 hours at maximum output.
- Dedicated optical lens per LED for enhanced spread and uniformity.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical applications.
- Aluminum housing for efficient heat dissipation
- Approved IDA
- LM 79/80

## Technical specifications

Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 160W
Solar Charge Controller Parameters	Type	MPPT (Maximum Power Point Tracking), infrared solar charging controller
Lithium-ion Battery Parameters	Type	LiFePO4 (lithium-ion ferrous phosphate)
	Capacity	Up to 42AH
LED Light Parameters	Light Source Power	Up to 120W
	Lamp Rated Total Luminous Flux	Up to 16,800lm
	Luminous Efficacy	140lm/w
	CCT (Correlated Color Temperature)	2,700K-6,500K
	Color Rendering Index (CRI)	≥ 75
Control Modes	1. Light control 2. Timing control 3. Microwave control 4. Timing + Microwave control	
Operation profiles	Depend on customer request and solar radiation.	
Lighting Material	Die-casting Aluminum	
Extended Application Option	Wireless Remote controller GPRS Integrated Management System( Remote control and monitoring)	
Product size	light body	Depend On LED power
	solar panel	Depend On Solar Panel wattage
Net weight	light body	Depend On LED power
	solar panel	Depend On Solar Panel Wattage

## Uses and Applications Guide

Mid-size roads	●
Streets lighting	●
Parking lots	●
Boardwalks	●
Farms	●
Public parks	●
Private gardens	●
Access roads	●
Walking paths	●

## Ordering Guide: EXAMPLE: HL-ML-12W-6W-2-27K -4AH-GR-00-WL-S

Model	Solar Panel	LED Power	Distribution type	LED Color Temp	Battery Options	Body Color	Options
HL-ML	12W	6W	2- Type II	27K	4AH	GR- Gray *Other colors are available	00- No motion sensor 01- Motion sensor WL- Wildlife (Amber LED) S-Shield
	18W	8W		30K	6AH		
	20W	10W		40K	8AH		
	30W	15W		50K	10AH		
	35W	18W		65K	15AH		
	40W	20W		A - Amber	18AH		
	45W	25W			21AH		
	60W	30W			24AH		
	80W	40W			25AH		
	90W	50W			36AH		
	110W	60W			42AH		
	120W	80W					
	160W	100W					
		120W					



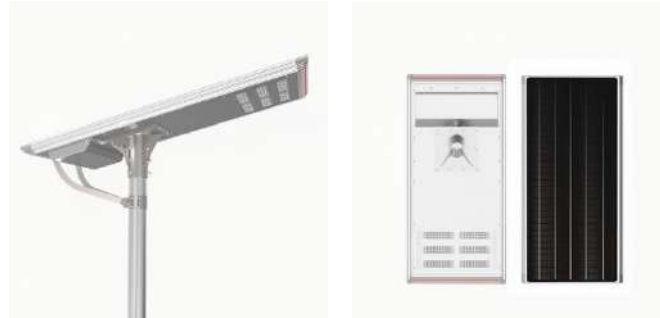
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# HIGHLIGHT HL-ML-N200



The design of solar street light / courtyard light absorbs energy from the universe, and combines it with high efficiency solar panel, LEDs, and Lithium battery. It adopts advantage technics such as micro-controller, human infrared sensor and so on and combines with integrated design to achieve multiple features such as low power consumption but high brightness, long lifespan and maintenance free, meanwhile with waterproof can be reprogrammed from the ground with an infrared before and after install. It is one of our great innovation patented products.



## Key features:

- Low installation and maintenance costs.
- IP67 Rating.
- High performance 1W LEDs with 160lm/w.
- Light dimming engine.
- Led's operating life time over 100,000 hours at maximum output.
- Dedicated optical lens per LED for enhanced spread and uniformity.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical applications.
- Aluminum housing for efficient heat dissipation
- Approved IDA
- LM 79/80

## Technical specifications

Solar Module Parameters	Type Power	High-efficiency Monocrystalline Silicon Up to 260W
Solar Charge Controller Parameters	Type	MPPT (Maximum Power Point Tracking), infrared solar charging controller
Lithium-ion Battery Parameters	Type	LiFePO4 (lithium-ion ferrous phosphate)
	Capacity	Up to 1,536WH
LED Light Parameters	Light Source Power	Up to 200W
	Lamp Rated Total Luminous Flux	Up to 32,000lm
	Luminous Efficacy	160lm/w
	CCT (Correlated Color Temperature)	2,700K-6,500K
	Color Rendering Index (CRI)	≥ 75
Control Modes	1. Light control 2. Timing control 3. Microwave control 4. Timing + Microwave control	
Operation profiles	Depend on customer request and solar radiation.	
Lighting Material	Die-casting Aluminum	
Extended Application Option	Wireless Remote controller	
	GPRS Integrated Management System( Remote control and monitoring)	
Product size	light body	Depend On LED power
	solar panel	Depend On Solar Panel wattage
Net weight	light body	Depend On LED power
	solar panel	Depend On Solar Panel Wattage

## Uses and Applications Guide

Mid-size roads	●
Streets lighting	●
Parking lots	●
Boardwalks	●
Farms	●
Public parks	●
Private gardens	●
Access roads	●
Walking paths	●

## Ordering Guide: EXAMPLE: HL-ML-N200-110W-80W-2-27K -42AH-GR-00-WL-S

Model	Solar Panel	LED Power	Distribution type	LED Color Temp	Battery Options	Body Color	Options
HL-ML-N200	110W	80W	2- Type II	27K	42AH	GR- Gray *Other colors are available	00- No motion sensor 01- Motion sensor WL- Wildlife (Amber LED) S-Shield
	120W	100W		30K	48AH		
	160W	120W		40K	53AH		
	180W	150W		50K	60AH		
	210W	180W		65K			
	260W	200W		A - Amber			



\*Up on request.

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# HIGHLIGHT ML-NGL



The design of solar street light / courtyard light absorbs energy from the universe, and combines it with high efficiency solar panel, LEDs, and Lithium battery. It adopts advantage technics such as micro-controller, human infrared sensor and so on and combines with integrated design to achieve multiple features such as low power consumption but high brightness, long lifespan and maintenance free, meanwhile with waterproof function and great thermal dissipation. The intelligent control can be reprogrammed from the ground with an infrared before and after install. It is one of our great innovation patented products

## Technical specifications

### Key features:

- Low installation and maintenance costs.
- IP66 Rating.
- High performance 160lm/w.
- Light dimming engine.
- **Adjustable LED module**
- Led's operating life time over 100,000 hours at maximum output.
- Dedicated optical lens per LED for enhanced spread and uniformity.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical applications.
- Aluminum housing for efficient heat dissipation

Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 230W
Solar Charge Controller Parameters	Type	MPPT (Maximum Power Point Tracking), infrared solar charging controller
Lithium-ion Battery Parameters	Type	LiFePO4 (lithium-ion ferrous phosphate)
	Capacity	Up to 60AH
LED Light Parameters	Light Source Power	Up to 80W
	Lamp Rated Total Luminous Flux	Up to 12,800LM
	Luminous Efficacy	160lm/w
	CCT (Correlated Color Temperature)	2,700K-6,500K/Amber
	Color Rendering Index (CRI)	≥ 75
Control Modes	1. Light control 2. Timing control 3. Microwave control 4. Timing + Microwave control	
Operation profiles	Depend on customer request and solar radiation.	
Lighting Material	Die-casting Aluminum	
Extended Application Option	Wireless Remote controller	
	GPRS Integrated Management System( Remote control and monitoring)	
Product size	light body	Depend On LED power
	solar panel	Depend On Solar Panel wattage
Net weight	light body	Depend On LED power
	solar panel	Depend On Solar Panel Wattage

### Uses and Applications Guide

Mid-size roads	●
Streets lighting	●
Parking lots	●
Boardwalks	●
Farms	●
Public parks	●
Private gardens	●
Access roads	●
Walking paths	●



### Ordering Guide: EXAMPLE: HIGHLIGHT ML-NGL -160W-20W-3-27K -36AH-GR-00

Model	Solar Panel	LED Power	Distribution type	LED Color Temp	Battery Options	Body Color	LED	Options
HIGHLIGHT ML-NGL	160W	20W	3- Type III	27K	36AH	GR- Gray *Other colors are available	1 – One Side 2 – Double Side	00- No motion sensor 01- Motion sensor
	180W	40W		30K	48AH			
	230W	60W		40K	60AH			
		80W		50K				
				65K				
			A - Amber					



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The SolarPath HIGHLIGHT SP-SHBX™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. The solar panel built in the light and can be installed on a new or an existing pole. It is new technology. This product has both a solar engine and a LED light. The battery and controller are inside pole which allow this product to be used for, roads, parking lot, pathway, etc.

### Technical Specifications

Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	30W
Solar Charge Controller Parameters	Type	MPPT solar charging controller
Battery	LifePO4	20AH
LED Light Parameters	Light Source Power	20W (Up to 5,000 Lm)
	CCT (Correlated Color Temperature)	3,000K/5,700K
	Color Rendering Index (CRI)	≥70
Control Modes	Manual ON/OFF / Automatically ON/OFF / Time Control	
Operation mode	5hrs-100% output; 20% (PIR) till dawn	
IP Rating/Anti-Corrosion	IP66/C4H	
Body materials	Die cast Aluminum and PC	

### Key features

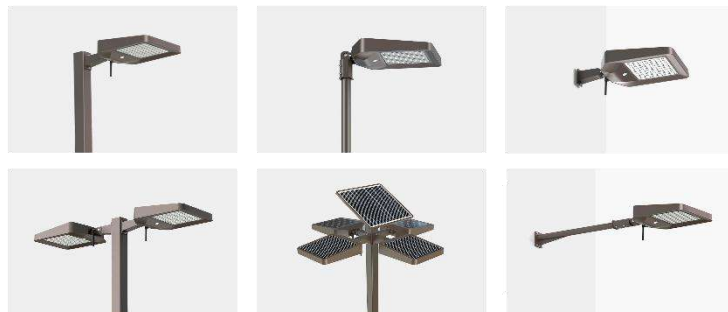
- Can be installed on existing pole.
- Low installation and maintenance costs.
- IP 66 Rating.
- C4H Marine corrosion resistance
- High lumen efficiency 230lm/W
- Adjustable brackets
- Bluetooth antenna
- Solar powered outdoor lighting.
- Battery, solar controller are built inside of light.
- Good appearance, small size and lightweight, easy to install.

### Uses and Applications Guide

Streets lighting	●
Parking lots	●
Residential roads	●
Public parks	●



### Mounting Options



### ORDERING GUIDE: HIGHLIGHT SP-SHBX-30W-20W-2-30K-20AH-TP

Model	Solar Panel	LED Power	Distribution type	Led color Temp	Battery Options	Mounting Options
HIGHLIGHT SP-SHBX	30W	20W	2- Type II	30K 57K	20AH	TP- On top of a pole SF- Slip fitter WM- Wall mount

\*Up on request



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# HIGHLIGHT HL-ML-ASL

The design of solar street light / courtyard light absorbs energy from the universe, and combines it with high efficiency solar panel, LEDs, and Lithium battery. It adopts advantage technics such as micro-controller, human infrared sensor and so on and combines with integrated design to achieve multiple features such as low power consumption but high brightness, long lifespan and maintenance free, meanwhile with waterproof function and great thermal dissipation. The intelligent control can be reprogrammed from the ground with an infrared before and after install. It is one of our great innovation patented products.



## Key features:

- Low installation and maintenance costs.
- IP65 Rating.
- High performance LEDs with 190lm/w.
- Light dimming engine.
- Led's operating life time over 100,000 hours at maximum output.
- Adjustable mounting bracket.
- Adjustable LED.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical applications.
- Aluminum housing for efficient heat dissipation

## Technical specifications

Solar Module Parameters	Type	Monocrystalline Silicon
	Power	Up to 230W
Solar Charge Controller Parameters	Type	MPPT
Battery Parameters	Type	LifePO4
	Capacity	Up to 48AH
LED Light Parameters	Light Source Power	Up to 200W
	Lamp Rated Total Luminous Flux	Up to 38,000lm
	Luminous Efficacy	190lm/w
	CCT (Correlated Color Temperature)	2,500K-6,500K/Amber
	Color Rendering Index (CRI)	≥ 70
Operation profiles	* Operation profile above are active depending to the solar radiation in the installation location, please consult with one of Solarpath representative.	
Lighting Material	Die-casting Aluminum	

## Uses and Applications Guide

Mid-size roads	●
Streets lighting	●
Parking lots	●
Boardwalks	●
Farms	●
Public parks	●
Private gardens	●
Access roads	●
Walking paths	●



## Ordering Guide: EXAMPLE: HIGHLIGHT HL-ML-ASL-45W-20W-1-25K -12AH-BLK-SP-00

Model	Solar Panel	LED Power	Distribution type	LED Color Temp	Battery Options	Body Color	Mounting options	Options
HIGHLIGHT HL-ML-ASL	40W	20W	1 – Type I	25K	12AH	BLK- Black	SP- Slip Fitter UB- U-Bracket	00- No motion sensor 01-Motion sensor
	55W	30W	2- Type II	30K	18AH			
	65W	40W	3- Type III	40K	24AH			
	75W	50W	4 – Type IV	50K	30AH			
	105W	60W	5 – Type V	65K	36AH			
	120W	80W		Amber	42AH			
	145W	90W		48AH				
	180W	100W						
	210W	120W						
	230W	150W						
	180W							
	200W							



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# HIGHLIGHT ML-FL



The design of solar street light / courtyard light absorbs energy from the universe, and combines it with high efficiency solar panel, LEDs, and Lithium battery. It adopts advantage technics such as micro-controller, human infrared sensor and so on and combines with integrated design to achieve multiple features such as low power consumption but high brightness, long lifespan and maintenance free, meanwhile with waterproof function and great thermal dissipation. The intelligent control can be reprogrammed from the ground with an infrared before and after install. It is one of our great innovation patented products.

### Key features:

- Low installation and maintenance costs.
- Replaceable Battery.
- 4 mounting brackets options.
- IP66 Rating.
- High performance 1W LEDs with 200lm/w.
- Light dimming engine.
- Led's operating life time over 100,000 hours at maximum output.
- PTC Auto-heating system.
- Adjustable LED.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical applications.
- Aluminum housing for efficient heat dissipation
- Approved IDA



### Technical specifications

Solar Module Parameters	Type	Monocrystalline Silicon
	Power	Up to 45W
Solar Charge Controller Parameters	Type	MPPT
Battery Parameters	Type	Li-ion
	Capacity	Up to 32AH
LED Light Parameters	Light Source Power	Up to 30W
	Lamp Rated Total Luminous Flux	Up to 6,000lm
	Luminous Efficacy	200lm/w
	CCT (Correlated Color Temperature)	3,000K-6,000K
	Color Rendering Index (CRI)	≥ 82
Operation profiles	1hr-100%; 2hrs-80%; 3-4hrs-60%; 5hr-25% to Dawn. Programmable, depend on solar radiation.	
Lighting Material	Die-casting Aluminum + Stainless steel	
Product size	light body	Depend On LED power
	solar panel	Depend On Solar Panel wattage
Net weight	light body	Depend On LED power
	solar panel	Depend On Solar Panel Wattage

### Uses and Applications Guide

Mid-size roads	●
Streets lighting	●
Parking lots	●
Boardwalks	●
Farms	●
Public parks	●
Private gardens	●
Access roads	●
Walking paths	●

### Ordering Guide: EXAMPLE: HIGHLIGHT ML-FL-25W-10W-2-30K -10AH-BLK-00-PTC-R

Model	Solar Panel	LED Power	Distribution type	LED Color Temp	Battery Options	Body Color	Options
HL-ML-FL	25W	10W	3- Type III	30K	10AH	BLK- Black	00- No motion sensor
	45W	20W		40K	20AH		01-Motion sensor
		30W		60K	30AH		PTC- Warmer
							R- Round pole mounting
							S- Square pole mounting
							WM- Wall mounting



\*Up on request.

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# HIGHLIGHT ML-FL-U



The SolarPath HIGHLIGHT ML-FL-U™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. This product has both a solar engine and a flood light. The ML-FL-U's battery and control is attached to solar panel which allows this product to be used for field, sign, warehouses, roofs, ground and on walls.

## Key features:

- Low installation and maintenance costs.
- Replaceable Battery.
- IP66 Rating.
- High performance 1W LEDs with 200lm/w.
- Light dimming engine.
- Led's operating life time over 100,000 hours at maximum output.
- PTC Auto-heating system.
- Adjustable/removable LED.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical applications.
- Aluminum housing for efficient heat dissipation
- Approved IDA



## Technical specifications

Solar Module Parameters	Type	Monocrystalline Silicon
	Power	Up to 160W
Solar Charge Controller Parameters	Type	MPPT
Battery Parameters	Type	Li-ion
	Capacity	Up to 100AH
LED Light Parameters	Light Source Power	Up to 30W
	Lamp Rated Total Luminous Flux	Up to 6,000lm
	Luminous Efficacy	200lm/w
	CCT (Correlated Color Temperature)	3,000K-6,000K
	Color Rendering Index (CRI)	≥ 82
Operation profiles	1hr-100%; 2hrs-80%; 3-4hrs-60%; 5hr-25% to Dawn. Programmable, depend on solar radiation.	
Lighting Material	Die-casting Aluminum + Stainless steel	
Product size	light body	Depend On LED power
	solar panel	Depend On Solar Panel wattage
Net weight	light body	Depend On LED power
	solar panel	Depend On Solar Panel Wattage

## Uses and Applications Guide

Warehouse	●
Tents	●
Boardwalks	●
Monuments	●
Signs	●
Gardens	●

## Ordering Guide: EXAMPLE: HIGHLIGHT ML-FL-U-25W-10W-2-30K -10AH-BLK-00-PTC-WM

Model	Solar Panel	LED Power	Distribution type	LED Color Temp	Battery Options	Body Color	Options
HIGHLIGHT-ML-FL-U	25W	15W	3- Type III	30K	18AH	BLK- Black	PTC-Auto-heating system WM- Wall mounting GSM- Ground spike mounting GUM- Ground U mounting SL- Separated LED
	45W	20W		40K	22AH		
	60W	25W		50K	25AH		
	75W	30W		60K	30AH		
	100W				45AH		
	160W				60AH 100AH		



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# HIGHLIGHT ML-GL-U



The SolarPath HIGHLIGHT ML-GL-U™ is the premier LED solar illumination technology in its class today. Ultra- bright/High Intensity LED lighting means a total lighting solution for any need. This product has both a solar engine and a flood light. The ML-GL-U's battery and control is attached to solar panel which allows this product to be used for gardens.

### Key features:

- Low installation and maintenance costs.
- Replaceable Battery.
- IP65 Rating.
- High performance 1W LEDs with 150lm/w.
- Light dimming engine.
- Led's operating life time over 100,000 hours at maximum output.
- PTC Auto-heating system.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical applications.
- Aluminum housing for efficient heat dissipation

### Uses and Applications Guide

Gardens	●
Parks	●
Trees	●
Walls	●



### Technical specifications

Solar Module Parameters	Type	Monocrystalline Silicon
	Power	Up to 75W
Solar Charge Controller Parameters	Type	MPPT
Battery Parameters	Type	Li-ion
	Capacity	Up to 60AH
LED Light Parameters	Light Source Power	Up to 5W each
	Lamp Rated Total Luminous Flux	Up to 750lm (each)
	Luminous Efficacy	150lm/w
	Input Voltage	DC24V
	CCT (Correlated Color Temperature)	3,000K-6,000K
	Color Rendering Index (CRI)	≥ 82
Operation profiles	Programmable, depend on solar radiation.	
Lighting Material	Die-casting Aluminum + Stainless steel	



### Ordering Guide: EXAMPLE: HIGHLIGHT ML-GL-U-45W-12W-A-3-1-30K -18AH-BLK-PTC-GM

Model	Solar Panel	LED Power	LED Qty.	Distribution type	LED Color Temp	Battery Options	Body Color	Options
HIGHLIGHT-ML-GL-U	35W	2W	A- 1 pc	1- Type I	30K	18AH	BLK- Black	PTC-Auto-heating system
	45W	5W	B- 2 pcs		40K	25AH		GSM- Ground spike mounting
	60W		C- 3 pcs		50K	30AH		GUM- Ground U mounting
	75W				60K	45AH		PM-Pole mounting
						60AH		



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The design of solar street light / courtyard light absorbs energy from the universe, and combines it with high efficiency solar panel, LEDs, and Lithium battery. It adopts advantage technics such as micro-controller and combines with integrated design to achieve multiple features such as low power consumption but high brightness, long lifespan and maintenance free, meanwhile with waterproof function and great thermal dissipation. The intelligent control can be reprogrammed from the ground with an infrared before and after install. It is one of our great innovation patented products.

### Technical Specifications

Solar Module Parameters	Type	Monocrystalline Silicon
	Power	Up to 35W
Battery Parameters	Type	Li-Ion Battery
	Capacity	Up to 240WH
LED Light Parameters	Light Source Power	Up to 30W
	Lamp Rated Total Luminous Flux	Up to 4,000lm (200lm/W)
	CCT (Color Temperature)	3,000K-6,000K
Recommended Installation	Mounting height	9.8ft-16.4ft
Operation Profile	1st H 100% brightness , 2nd H 80%, 3-4th H 60%, Then 25% brightness till dawn.	
Extended Applications	Remote control	
Lighting Material	Die Casting Aluminum	
Product Dimensions	22.04" x 8.26"	

### Key features

- Patent pending integrated design
- Solar powered outdoor lighting
- Lithium battery prolongs life and protects environment
- Modular compact design, easy assembly and maintenance
- Rust-proof, dustproof and waterproof

### Uses and Applications Guide

Streets lighting	●
Parking lots	●
Farms	●
Boardwalks	●
Pathways	●
Public parks	●
Walking paths	●
Bus stations	●



### EXAMPLE: SP-SRL-360-20W-10W-30K-120WH-GR

Model	Solar Panel	LED	Color Temperature	Battery	Body color
SP-SRL-360	20W	10W	30K	120WH	SLV-Silver
	25W	15W	40K	144WH	BLK-Black
	30W	20W	50K	180WH	
	35W	30W	60K	240WH	

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The SolarPath HIGHLIGHT ML-SPLRGB™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. This product has both a solar engine and a flood light. The ML-GL-U's battery and control is attached to solar panel which allows this product to be used for gardens.



### Key features:

- Low installation and maintenance costs.
- Replaceable Battery.
- IP66 Rating.
- High performance with 150lm/w.
- Light dimming engine.
- Led's operating life time over 100,000 hours at maximum output.
- Ideal for solar or energy saving electrical applications.
- Aluminum housing for efficient heat dissipation

### Technical specifications



Solar Module Parameters	Type	Monocrystalline Silicon
	Power	Up to 240W
Solar Charge Controller Parameters	Type	MPPT
Battery Parameters	Type	Li-ion
	Capacity	Up to 135AH
LED Light Parameters	Light Source Power	Up to 10W each
	Lamp Rated Total Luminous Flux	Up to 1,500lm (each)
	Luminous Efficacy	150lm/w
	Input Voltage	DC24V
	CCT (Correlated Color Temperature)	3,000K-6,000K /RGB
	Color Rendering Index (CRI)	≥ 82
Operation profiles	Programmable, depend on solar radiation.	
Lighting Material	Die-casting Aluminum + Stainless steel	

### Uses and Applications Guide

Gardens	●
Parks	●
Trees	●
Walls	●



### Ordering Guide: EXAMPLE: HIGHLIGHT ML-SPLRGB-50W-A-10W-A-30K-20AH-BLK-TM-RM

Model	Solar Panel	LED Type	LED Power	LED Qty.	LED Color Temp	Battery Options	Body Color	Solar panel installation options	LED Installation options
HIGHLIGHT-ML-SPLRGB	50W	A - 	10W	A- 2 pc	30K	20AH	BLK- Black	TM- Tree mounting (Ring) PM- Pole mounting	RM- Ring mounting (on trees) ST- Stake mounting
	75W			B- 4 pcs	40K	41AH			
	100W			C- 5 pcs	50K	52AH			
	175W	B - 		D - 6 pcs	60K	67AH			
	240W			E - 8 pcs	RGB	135AH			



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The SolarPath HighLight HL-SL-AUR™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. This product has both a solar engine and a street light. The HL-SL-AUR's battery and control is attached to solar panel which allows this product to be used for parks, roads, path. Once the product is installed, it can be controlled via a remote control.

### Key features:

- Low installation and maintenance costs.
- IP66 Rating.
- High LED performance 1W/175lm.
- Light dimming engine.
- Led's operating life time over 150,000 hours at maximum output.
- Dedicated optical lens per LED for enhanced spread and uniformity.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical applications.
- Battery enclosure attached to the solar panel
- Aluminum housing for efficient heat dissipation
- Approved IDA
- LM 79/80

### Uses and Applications Guide

Mid-size roads	●
Boardwalks	●
Farms	●
Public parks	●
Access roads	●
Walking paths	●
Roads	●

### Technical Specifications

#### Lighting and Operation

Lighting Technology	LED Street Light Technology
Brightness	Up to 12,250 Lumen
Color temperature	5,500°K (other may be available upon request)
Available distribution types	II, III
Standard operation features	<ul style="list-style-type: none"> <li>• Automatic day/night detection</li> <li>• Battery deep discharge and overcharge protection</li> <li>• False activation prevention logic</li> <li>• Computerized self-learning seasons change detection</li> <li>• Auto-adjusting battery charge algorithm according to ambient temperature sensing</li> </ul>
Operation time	up to 72 hours (per charge cycle, programming dependent)

#### Energy Collection and Storage

Solar panel type	Mono/ Poly Crystalline Silicon
Battery type	Lithium
Voltage / Current	12VDC

#### Materials

Body	Galvanized Steel/Stainless steel and Aluminum
Dimensions (main body)	Depends on configuration
Unit weight	Depends on configuration
EPA	Depends on configuration
IP Rating	IP66

#### Optional Features

Integrated Motion Option	Allows for flexible energy saving programming for location with low insolation levels and extreme weather conditions.
--------------------------	-----------------------------------------------------------------------------------------------------------------------



### Ordering Guide: EXAMPLE: HL-SL-AUR-30W-20W-2-25K-18AH-1-GR-00

Model	Solar Panel	LED Power	Distribution type	LED Color Temp	Battery Options	Body Color	Options
HL-SL-AUR	30W	20W	2- Type II	25K	18AH	GR - Grey	00 - No motion sensor 01 - motion sensor
	60W	40W	3- Type III	30K	30AH		
	70W	50W		40K	36AH		
	100W	70W		55K	42AH		



\*Up on Request



# HIGHLIGHT HL-SL-S



The SolarPath HIGHLIGHT HL-SL-S™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. Whether the goal is large area or mid-size to major roadway clarity, our intense and bright full-spectrum lighting the

HIGHLIGHT HL-SL-S™ brings solar lighting performance and sustainability to the next level.

## Key features:

- Low installation and maintenance costs.
- IP67 Rating.
- High performance 143lm/w.
- Light dimming engine.
- Led's operating life time over 100,000 hours at maximum output.
- Dedicated optical lens per LED for enhanced spread and uniformity.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical applications.
- Battery enclosure
- Aluminum housing for efficient heat dissipation
- IDA Approved
- LM 79/80

## Uses and Applications Guide

Mid-size roads	●
Streets lighting	●
Parking lots	●
Boardwalks	●
Farms	●
Public parks	●
Private gardens	●
Access roads	●
Walking paths	●

## Technical Specifications

<b>Lighting and Operation</b>	
Lighting Technology	LED Street Light Technology
Brightness	Up to 19,500 Lumen
Color temperature	5,500°K (other may be available upon request)
Available distribution types	I, II, III, IV, V
Standard operation features	<ul style="list-style-type: none"> <li>• Automatic day/night detection</li> <li>• Battery deep discharge and overcharge protection</li> <li>• False activation prevention logic</li> <li>• Computerized self-learning seasons change detection</li> <li>• Auto-adjusting battery charge algorithm according to ambient temperature sensing</li> </ul>
Operation time	up to 72 hours (per charge cycle, programming dependent)
Battery Enclosure	Mount at Top/Middle Or In-Ground Pole (Depends on battery Weight)
<b>Energy Collection and Storage</b>	
Solar panel type	Mono / Poly Crystalline Silicon, Up to 700W (Location Specific)
Battery type	Extreme temperature Deep Cycle AGM / Gel-Cell
Voltage / Current	12VDC/24VDC
<b>Materials</b>	
Body	Galvanized Steel/Stainless steel and Aluminum
Dimensions (main body)	Depends on configuration
Unit weight	Depends on configuration
EPA	Depends on configuration
IP Rating	IP67
<b>Optional Features</b>	
Integrated Motion Option	Allows for flexible energy saving programming for location with low insolation levels and extreme weather conditions.



## Ordering Guide

EXAMPLE: HL-SL-S-A-50W-SLA-25-1-30K-A-50AH-PM-GR-1-00

Model	Solar Panel Qty	Solar Panel	LED Head	LED Power	Distribution type	LED Color Temp	Battery Quantity	Battery Options	Battery enclosure	Body Color	Arm	Options
HL-SL-S	A- 1 Panel	50W	SLA	25W	1-Type I	30K	A- 1	50AH	PM-Mounted to pole GM-Placed on ground beside pole	GR- Gray BK- Black BZ- Bronze WH- White Custom	1-single 2-double	00- not required 01- motion sensor
	B- 2 Panel	65W	SLB	30W	2-Type II	40K	B- 2	75AH				
	C- 3 Panel	85W	SLG	40W	3-Type III	50K	C- 3	85AH				
	D- 4 Panel	100W	SRS	60W	4-Type IV	57K	D- 4	100AH				
		125W	SRL	80W	5-Type V	Amber		125AH				
		135W	SKA	90W				150AH				
		150W	FLA	120W				180AH				
		160W	FLW	150W				200AH				
		180W	FLT					250AH				
		200W	ARS									
		250W										
		300W										
		350W										



\*Up on request.

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### Technical Specifications

The SolarPath HIGHLIGHT SP-SPLSL™ is the premier LED solar illumination technology in its class today. Ultra- bright/High Intensity LED lighting means a total lighting solution for any need. This product has both a solar engine and a street light. The SP-SPLSL battery and control is on the LED head which allows this product to be used for parks, roads, path. Once the product is installed, it can be controlled via a remote control.

#### Key features.

- Low installation and maintenance costs.
- IP66 Rating.
- High LED performance 1W/128lm.
- Ideal for solar or energy saving electrical applications.
- Battery enclosure attaché to the solar panel
- Aluminum housing for efficient heat dissipation

Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 400W
Solar Charge Controller Parameters	Type	MPPT
Battery Parameters	Type	LiFePO4
	Capacity	Up to 200AH/25.6V
LED Light Parameters	Light Source Power	Up to 150W
	Lamp Rated Total Luminous Flux	Up to 23,000lm
	Luminous Efficacy	128lm/w
	CCT (Correlated Color Temperature)	3,000K-6,000K
	Color Rendering Index (CRI)	≥70
Operation profiles	Depend on solar radiation	
Lighting Material	Die-casting Aluminum	

#### Uses and Applications Guide

Streets lighting	●
Parking lots	●
Boardwalks	●
Pathways	●
Public parks	●
Walking paths	●



#### Ordering Guide:

Example: SP-SPLSL-A-50W-25W-2-30K- 50AH-GR-1-SF-00

Model	Solar Panel Qty	Solar Panel	Led Power	Distribution Type	Led Color Temp	Battery options	Body Color	Arm	Mounting	Options
SP-SPLSL	A – 1 Panel B – 2 Panels	50W	25W	2- Type II	30K	50AH	GR- Grey *other colors available up on request	1 – Single 2 - Double	SF- Slipfitter solar panel SD- Side solar panel	00- No sensor 01- Motion sensor
		65W	50W	3- Type III	40K	70AH				
	85W	60W	4- Type IV	50K	85AH					
	100W	80W	5- Type V	60K	100AH					
	125W	100W			124AH					
	135W	120W			150AH					
	150W	150W			180AH					
	160W				200AH					
	180W									
	200W									
	250W									
	300W									
	350W									



\*Up on request



# HIGHLIGHT SP-NALF



The SolarPath HIGHLIGHT SP-NALF™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. This product has both a solar engine and a street light. The SP-NALF™ battery and control is on the LED head which allows this product to be used for parks, roads, path. Once the product is installed, it can be controlled via a remote control.



### Key features:

- Low installation and maintenance costs.
- IP66 Rating.
- High performance 160lm/w.
- Light dimming engine.
- Led's operating life time over 100,000 hours at maximum output.
- Dedicated optical lens per LED for enhanced spread and uniformity.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical applications.
- Aluminum housing for efficient heat dissipation

### Technical specifications

Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 230W
Solar Charge Controller Parameters	Type	MPPT (Maximum Power Point Tracking), infrared solar charging controller
Lithium-ion Battery Parameters	Type	LiFePO4 (lithium-ion ferrous phosphate)
	Capacity	Up to 60AH
LED Light Parameters	Light Source Power	Up to 80W
	Lamp Rated Total Luminous Flux	Up to 12,800LM
	Luminous Efficacy	160lm/w
	CCT (Correlated Color Temperature)	2,700K-6,500K/Amber
	Color Rendering Index (CRI)	≥ 75
Control Modes	1. Light control 2. Timing control	
Operation profiles	Depend on customer request and solar radiation.	
Lighting Material	Die-casting Aluminum	
Extended Application Option	Wireless Remote controller	
	GPRS Integrated Management System (Remote control and monitoring)	
Product size	light body	Depend On LED power
	solar panel	Depend On Solar Panel wattage
Net weight	light body	Depend On LED power
	solar panel	Depend On Solar Panel Wattage

### Uses and Applications Guide

Mid-size roads	●
Streets lighting	●
Parking lots	●
Boardwalks	●
Farms	●
Public parks	●
Private gardens	●
Access roads	●
Walking paths	●

### Ordering Guide: EXAMPLE: HIGHLIGHT-SP-NALF -160W-20W-3-27K -4AH-GR-00

Model	Solar Panel	LED Power	Distribution type	LED Color Temp	Battery Options	Body Color	Arm
HIGHLIGHT SP-NALF	160W	20W	3- Type III	27K	36AH	GR- Gray *Other colors are available	1 - Single 2 - Double
	180W	40W		30K	48AH		
	230W	60W		40K	60AH		
		80W		50K			
				65K			
				A - Amber			



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The SP-SLT-160 is a solar powered LED light tower that provides a safe and effective way for operators to quickly Deploy high powered lights. This light allows for easy transportation and easy setup. Unlike other types of lamps, this one has LED light. These types of lights have a much longer lifetime than a normal bulb. Our portable, solar powered light trailer helps you to reduce your energy consumption, and it will illuminate large areas at great distances.

**Technical Specifications**

Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 160W (2pcs x 80W)
Solar ChargeController Parameters	MPPT	- LCD screen, can check work status of LED, Battery, Solar panel, and dimming the light brightness. - Can be connected to grid power and charged through grid Power.
	Battery Capacity	Up to 1100WH
Battery Parameters	Battery Type	LifePO4
	Light Source Power	Up to 200W (2pcs x 100W)
LED Light Parameters	CCT (Correlated Color Temperature)	2,700K-6,500K
	Mast Lifting Height	Up to 23'
Operation profile	Depend on solar radiation and installation location.	
Option	<u>Can be connected to grid power and charged through grid power.</u>	

**Key Features**

- No electricity bill required for solar power generation.
- Low noise and low pollution because no generator or motor is used.
- Can be used for various purposes by replacing the light source.
- Highly efficient light source
- Can be lit by supplying power from AC-Optional

**Uses and applications guide**

Construction Zones	●
Emergency Light	●
Access road	●
Military needs	●
Parking Lots	●



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The SolarPath HIGHLIGHT BELL™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need.

This product has both a solar engine and a street light. The HIGHLIGHT BELL's battery and control is on the LED head which allows this product to be used for parks, roads, path. Once the product is installed, it can be controlled via a remote control.

### Key features:

- Low installation and maintenance costs.
- IP67 Rating.
- High LED performance 1W/140lm.
- Light dimming engine.
- Led's operating life time over 150,000 hours at maximum output.
- Dedicated optical lens per LED for enhanced spread and uniformity.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical applications.
- Battery enclosure
- Aluminum housing for efficient heat dissipation
- IDA Approved

### Uses and Applications Guide

Mid-size roads	●
Boardwalks	●
Farms	●
Public parks	●
Access roads	●
Walking paths	●
Roads	●

### Technical Specifications

#### Lighting and Operation

Lighting Technology	LED Street Light Technology
Brightness	Up to 14,837 Lumen
Color temperature	5,500°K (other may be available upon request)
Available distribution types	II, V
Standard operation features	<ul style="list-style-type: none"> <li>• Automatic day/night detection</li> <li>• Battery deep discharge and overcharge protection</li> <li>• False activation prevention logic</li> <li>• Computerized self-learning seasons change detection</li> <li>• Auto-adjusting battery charge algorithm according to ambient temperature sensing</li> </ul>
Operation time	up to 72 hours (per charge cycle, programming dependent)

Mount at top/middle or in ground pole (depends on battery weight Battery enclosure.

#### Energy Collection and Storage

Solar panel type	Mono/ Poly Crystalline Silicon, Up to 600W
Battery type	Extreme temperature Deep Cycle AGM / Gel-Cell
Voltage / Current	12VDC/24VDC

#### Materials

Body	Galvanized Steel/Stainless steel and Aluminum
Dimensions (main body)	Depends on configuration
Unit weight	Depends on configuration
EPA	Depends on configuration
IP Rating	IP67

#### Optional Features

Integrated Motion Option	Allows for flexible energy saving programming for location with low insolation levels and extreme weather conditions.
--------------------------	-----------------------------------------------------------------------------------------------------------------------

### Ordering Guide: EXAMPLE: HIGHLIGHT-BELL-A-50W-20W-2-30K-A-50AH-1-GR-00

Model	Solar Panel Quantity	Solar Panel	LED Power	Distribution type	LED Color Temp	Battery qty.	Battery Options	Arm	Body Color	Options
HIGHLIGHT BELL	A- 1 Panel	50W	20W	2- Type II	30K	A- 1	50AH	1 - Single	GR - Grey BLK- Black BZ- Bronze WH- White Custom	00 - not required 01 - motion sensor 02 - AC- Hybrid
	B- 2 Panels	65W	30W		40K		B- 2			
	C- 3 Panels	85W	40W	5- Type V	50K	C- 3	80AH			
		100W	60W		57K		D- 4	100AH		
	D- 4 Panels	125W	80W		150AH					
		135W	100W		180AH					
		180W			180AH					
	200W									



\*Up on request

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## Technical Specifications

The SolarPath HIGHLIGHT NPSL™ is the premier LED solar illumination technology in its class today. Ultra- bright/High Intensity LED lighting means a total lighting solution for any need. This product has both a solar engine and a street light. The HL-NPSL's battery and control is on the LED head which allows this product to be used for parks, roads, path. Once the product is installed, it can be controlled via a remote control.

### Key features

- Low installation and maintenance costs.
- IP 67 Rating.
- High LED performance 1W/170lm.
- Light dimming engine.
- Led's operating life time over 150,000 hours at maximum output.
- Dedicated optical lens per LED for enhanced spread and uniformity.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical application.
- Battery enclosure.
- Aluminum housing for efficient heat dissipation
- Approved IDA.
- LM 79/80

Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 450W
Solar ChargeController Parameters	Type	MPPT, infrared solar charging controller with infrared remote control.
	LifePO4	Up to 200AH
LED Light Parameters	Light Source Power	Up to 150W
	Lamp Rated Total Luminous Flux	Up to 25,500lm
	CCT (Correlated Color Temperature)	3,000K-6,000K
	Color Rendering Index (CRI)	≥ 81
	Light Control Voltage	36VDC
Control Modes	Manual ON/OFF / Automatically ON/OFF / Time Control	
Operation profile	Depend on installation area, can be programed with remote control.	
Lighting Material	Die-casting Aluminum	
Extended Application	Wireless Remote controller	
Optional	GPRS Integrated Management System( Remote control and monitoring)	
Product size	light body	Depend On LED power
	solar panel	Depend On Solar Panel wattage
Net weight	light body	Depend On LED power
	solar panel	Depend On Solar Panel Wattage

### Uses and Applications Guide

Streets lighting	●
Parking lots	●
High Speed way	●
Branch roads	●
Residential roads	●
Public parks	●
Sports lighting	●

Type A



Type B



### Ordering Guide

EXAMPLE: NPSL-A-120W-A-40W-3-30K-840WH-1-GR-00

Model	Solar Panel Quantity	Solar Panel	LED Type	Led Power	Distribution Type	Led Color Temp	Battery options	Arm	LED Body color	Motion Sensor
NPSL	A – 1	120W	A –	30W	1 – Type I	30K	24AH	1 – Single 2 – Double	GR - Grey	00 – no motion sensor 01 – motion sensor
		150W		50W	2 – Type II	40K	36AH			
	200W	60W		3 – Type III	50K	42AH				
	250W	80W		4 – Type IV	60K	60AH				
	260W	100W		B –	100AH					
	300W	120W	120AH							
	360W	150W	150AH							
	450W									
	450W									



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### Technical Specifications

SPFS Series Smart All In One Solar Street Light through innovative design, the real realization of the integrated solar street light definition. SolarPath's well-built, modern high- end, compact all feature flagship product. All In One( integration) design solar light put all core parts and smart motion sensor in one kit, to be used for parks, streets, parking lot.

#### Key features

- **Solar powered outdoor lighting**
- **Lithium battery prolongs life and protects environment**
- **Modular compact design, easy assembly and maintenance**
- **IP66**
- **Rust-proof, dustproof and waterproof**

#### Uses and Applications Guide

Streets lighting	●
Parking lots	●
Farms	●
Boardwalks	●
Pathways	●
Public parks	●
Walking paths	●
Bus stations	●

Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 250W
	Adjustable Angle	360°on the horizontal direction; 270°on the vertical direction
Solar Charge Controller Parameters	Type	MPPT (Maximum Power Point Tracking), infrared solar charging controller
Lithium-ion Battery Parameters	Type	LiFePO4 (lithium-ion ferrous phosphate)
	Capacity	Up to 36AH
LED Light Parameters	Light Source Power	Up to 120W
	Lamp Rated Total Luminous Flux	Up to 21,600lm
	Luminous Efficacy	180lm/w
	CCT (Correlated Color Temperature)	3,500K-6,000K
	Color Rendering Index (CRI)	≥75 (≥80 optional)
Detector (Motion Sensor)	Sensor Type	Microwave Detection (By Radar)
	Detection distance	≤65FT
	Delay Time	10 seconds (optional)
	Saving Mode	Continuously 4-5 rainy days.
Control Modes	1.Light control 2. Timing control 3. Microwave control 4. Timing + Microwave control	
Operation profiles	1. 100%-6hrs, 50%-6hrs. 2. 50%-1hr, 100%-4hrs, 50%-3hr, 25%-4hrs. 3. 100%-2hrs, 70%-2hrs, 20%-8hrs. 4. Always 30% dim, motion sensor trigger jump to 100% for 2 minutes. 5. 100%-2hrs, 70%-2hrs, 50%-2hrs, then 20% dim, when motion sensor trigger the light jump to 50% for 2 minutes. * Operation profile above are active depending to the solar radiation in the installation location, please consult with one of Solarpath representative.	
Installation Recommendation	Mounting Height Range	Up to 39FT
	Installation Distance Range	Up to 131FT
	Pole Upper diameter	2.36in – 2.99in
Lighting Material	Die-casting Aluminum	
Extended Application	Wireless Remote controller	
	GPRS Integrated Management System( Remote control and monitoring)	
Product size	light body	Depend On LED power
	solar panel	Depend On Solar Panel wattage
Net weight	light body	Depend On LED power
	solar panel	Depend On Solar Panel Wattage

#### Ordering Guide

EXAMPLE: SPFS-50W-15W-2-35K-192WH-WH-01

Model	Solar Panel	Led Power	Distribution Type	Led Color Temp	Battery options	Body Color	Options
SPFS	50W	15W	2 – Type II	35K	21AH	WH – White	00 – No motion sensor 01- Motion Sensor
	60W	20W		40K	24AH	*SI – Silver	
	70W	30W		50K	27AH	*BK - Black	
	80W	40W		60K	30AH		
	100W	50W			36AH	*Min 20 pcs	
	120W	60W					
	160W	80W					
	200W	100W					
	250W	120W					



\*Up on request





SPFS-SC Series Smart All In One Solar Street Light with inbuilt CCTV and LED running on solar and an inbuilt dimmer, the real realization of the integrated solar street light definition. SolarPath's well-built, modern high-end, compact all feature flagship product. All In One (integration) design solar light put all core parts and smart motion sensor in one kit, to be used for parks, streets, parking lot.

**Key feature**

- Low installation and maintenance costs.
- Security 4G CCTV Camera
- IP66 Rating.
- High performance 1W LEDs with 160lm/w.
- Light dimming engine.
- Led's operating life time over 100,000 hours at maximum output.
- Adjustable LED.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical applications.
- Aluminum housing for efficient heat dissipation
- Approved IDA

**Uses and Applications Guide**

Streets lighting	●
Parking lots	●
Farms	●
Boardwalks	●
Pathways	●
Public parks	●
Walking paths	●
Bus stations	●

**Technical Specifications**

Solar Module Parameters	Type	Monocrystalline Silicon
	Power	Up to 180W
	Adjustable Angle	270° adjustable head
Solar Charge Controller Parameters	Type	MPPT Solar charge controller
Lithium-ion Battery Parameters	Type	LiFePO4
	Capacity	Up to 998.4WH
LED Light Parameters	Light Source Power	Up to 60W
	Lamp Rated Total Luminous Flux	Up to 9,600lm
	Luminous Efficacy	160lm/w
	CCT (Correlated Color Temperature)	6,000K
Detector (Motion Sensor)	Sensor Type	Microwave Detection (By Radar)
	Detection distance	≤49FT
WiFi Camera parameters	<ul style="list-style-type: none"> <li>• 2.0MP 1920x1280 HD 4G PTZ Dome</li> <li>• 5 x optical zoom (0.10-0.53 inch optical motorized lens), Infrared night vision up to 196.85-262.46ft</li> <li>• Two-way audio, two-way talk with HiFi Quality</li> <li>• Motion detection alarm from your smartphone</li> <li>• Support 128GB Micro SD card for footage recording</li> <li>• Access through user-friendly APP(Android &amp; IOS) or PC version</li> <li>• IP65 waterproof weather resistant</li> </ul>	
Control Modes	1.Light control 2. Timing control 3. Microwave control 4. Timing + Microwave control	
Operation profiles	<ol style="list-style-type: none"> <li>1. 100%-2hr, 70%-2hr, 20% till dawn.</li> <li>2. 50%-1hr, 100%-4hr, 50%-3hr, 25%-4hr.</li> <li>3. 100%-6hr, 50%-6hr.</li> <li>4. Always 30% dim, motion sensor trigger jump to 100% for 2 minutes.</li> <li>5. Always 20% dim, motion sensor trigger jump to 100% for 2 minutes.</li> </ol>	
Installation Recommendation	Mounting Height Range	Up to 29FT
	Installation Distance Range	Up to 98FT
	Pole Upper diameter	2.99in
Lighting Material	Die-casting Aluminum, anti-corrosion	
Extended Application	Wireless Remote controller	
	GPRS Integrated Management System( Remote control and monitoring)	
Product size	light body	Depend On LED power
	solar panel	Depend On Solar Panel wattage
Net weight	light body	Depend On LED power
	solar panel	Depend On Solar Panel Wattage



**Ordering Guide- Example: SPFS-SC-150W-40W-2-60K-768WH-WH-01-SC**

Model	Solar Panel	Led Power	Distribution Type	Led Color Temp	Battery options	Body Color	Options
SPFS-SC	150W 180W	40W 60W	2 - Type II	60K	768WH 998WH	WH - White	01 - motion sensor SC-Security camera



\*Up on request

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## Technical Specifications

SPSF Series Smart All In One Solar Street Light through innovative design, the real realization of the integrated solar street light definition. SolarPaths's well-built, modern high- end, compact all feature flagship product. All In One( integration) design solar light put all core parts and smart motion sensor in one kit, to be used for parks, streets, parking lot.

### Key features

- Patent pending integrated design
- Solar powered outdoor lighting
- Lithium battery prolongs life and protects environment
- Modular compact design, easy assembly and maintenance
- Rust-proof, dustproof and waterproof

### Uses and Applications Guide

Streets lighting	●
Parking lots	●
Farms	●
Boardwalks	●
Pathways	●
Public parks	●
Walking paths	●
Bus stations	●



Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 400W
	Adjustable Angle	360°on the horizontal direction; 270°on the vertical direction
Solar ChargeController Parameters	Type	MPPT (Maximum Power Point Tracking), infrared solar charging controller
Lithium-ion Battery Parameters	Type	LiFePO4 (lithium-ion ferrous phosphate)
	Capacity	Up to 54AH
LED Light Parameters	Light Source Power	Up to 180W
	Lamp Rated Total Luminous Flux	Up to 32,400lm
	Luminous Efficacy	180lm/w
	CCT (Correlated Color Temperature)	3,000K-6,500K
	Color Rendering Index (CRI)	≥70
Detector (Motion Sensor)	Sensor Type	Microwave Detection (By Radar)
	Detection distance	≤82FT
	Delay Time	10 seconds (optional)
	Saving Mode	Continuously 4-5 rainy days.
Control Modes	1.Light control 2. Timing control 3. Microwave control 4. Timing + Microwave control	
Operation mode	<ol style="list-style-type: none"> <li>100%-6hrs, 50%-6hrs.</li> <li>50%-1hr, 100%-4hrs, 50%-3hr, 25%-4hrs.</li> <li>100%-2hrs, 70%-2hrs, 20%-8hrs.</li> <li>Always 30% dim, motion sensor trigger jump to 100% for 2 minutes.</li> <li>100%-2hrs, 70%-2hrs, 50%-2hrs, then 20% dim, when motion sensor trigger the light jump to 50% for 2 minutes.</li> </ol> <p>* Operation profile above are active depending to the solar radiation in the installation location, please consult with one of Solarpath representative.</p>	
Installation Recommendation	Mounting Height Range	Up to 39FT
	Installation Distance Range	Up to 147FT
	Pole upper diameter	2.36in - 2.99in
Lighting Material	Die-casting Aluminum	
Extended Application	Wireless Remote controller	
	GPRS Integrated Management System( Remote control and monitoring)	
Product size	light body	Depend On LED power
	solar panel	Depend On Solar Panel wattage
Net weight	light body	Depend On LED power
	solar panel	Depend On Solar Panel Wattage

### Ordering Guide

EXAMPLE: SPSF-A-50W-15W-2-30K-15AH-WH-1-01

Model	Solar Panel Qty	Solar Panel	Led Power	Distribution Type	Led Color Temp	Battery options	Body Color	Arm	Options
SPSF	A - 1	50W	15W	2 - Type II	30K	15AH	WH - White	1 - Single	00 - No Motion sensor 01 - Motion sensor
		60W	20W	3 - Type III	40K	18AH	*SI - Silver	2 - Double	
	B - 2	70W	30W	4 - Type IV	50K	21AH	*BK - Black		
		80W	40W		24AH				
	100W	50W	27AH	*Min 20 pcs					
	120W	60W	33AH						
	150W	80W	36AH						
	180W	100W	42AH						
	200W	120W	54AH						
	260W	150W							
	300W	180W							
	360W								
	400W								



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# HIGHLIGHT HL-FL-S



The SolarPath HIGHLIGHT HL-FL-S™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. This product has both a solar engine and a flood light. The HL-FL-S's solar engine is on the bottom which allows this product to be used for warehouses, roads, roofs, and military use.

### Key features:

- Low installation and maintenance costs.
- IP67 Rating.
- High performance Cree 1W LEDs with 130lm/w.
- Light dimming engine.
- Led's operating life time over 100,000 hours at maximum output.
- Dedicated optical lens per LED for enhanced spread and uniformity.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical applications.
- Battery enclosure
- Aluminum housing for efficient heat dissipation
- Approved IDA
- LM 79/80

### Uses and Applications Guide

Mid-size roads	●
Streets lighting	●
Parking lots	●
Boardwalks	●
Roofs	●
Public parks	●
Private gardens	●
Access roads	●
Walking paths	●

### Ordering Guide: EXAMPLE: HL-FL-S-A-50W-FLA-U-30W-1-30K-A-50AH-GR-1-00

Model	Solar Panel Quantity	Solar Panel	LED Head	LED Power	Distribution type	LED Color Temp	Battery Quantity	Battery Options	Body Color	Options
HL-FL-S	A - 1 Panel	50W	FLA - U FLB - U	30W	1- Type I	30K	A- 1	50AH	GR- Gray	00 - not required
	B- 2 Panels	65W	FLA - C	40W	2- Type II	40K	B- 2	75AH	BK- Black	01 - motion sensor
	C- 3 Panels	85W	FLB - C	60W	3- Type III	50K	C- 3	85AH	BZ- Bronze	
	D- 4 Panels	100W	FLA - D FLB - D	80W	4- Type IV	57K	D- 4	100AH	WH- White	
	E- 5 Panels	125W		90W	5- Type V		E- 5	150AH	Custom	
	F- 6 Panels	135W		120W			F- 6	200AH		
	G- 7 Panels	150W		150W			G-7			
	H- 8 Panels	180W 200W 250W 300W 350W					H- 8			

### Technical Specifications

#### Lighting and Operation

Lighting Technology	LED Street Light Technology
Brightness	Up to 19,500 Lumen
Color temperature	5,500°K (other may be available upon request)
Available distribution types	I, II, III, IV, V
Standard operation features	<ul style="list-style-type: none"> <li>• Automatic day/night detection</li> <li>• Battery deep discharge and overcharge protection</li> <li>• False activation prevention logic</li> <li>• Computerized self-learning seasons change detection</li> <li>• Auto-adjusting battery charge algorithm according to ambient temperature sensing</li> </ul>

Operation time up to 72 hours (per charge cycle, programming dependent)

Battery Enclosure Mount on the ground or on a roof

#### Energy Collection and Storage

Solar panel type	Mono / Poly Crystalline Silicon
Battery type	Extreme temperature Deep Cycle AGM / Gel-Cell
Voltage / Current	12VDC/24VDC

#### Materials

Body	Galvanized Steel/Stainless steel and Aluminum
Dimensions (main body)	Depends on configuration
Unit weight	Depends on configuration
EPA	Depends on configuration
IP Rating	IP67

#### Optional Features

Integrated Motion Option	Allows for flexible energy saving programming for location with low insolation levels and extreme weather conditions.
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The SOLARPATH HIGHLIGHT HL-FL-AUR™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. This product has both a solar engine and a flood light. The HL-FL-AUR's battery and control is on the LED head which allows this product to be used for field, sign, warehouses, roofs and on walls. Once the product is installed, it can be controlled via a remote control.

### Key features:

- Low installation and maintenance costs.
- IP67 Rating.
- High LED performance 1W/140lm.
- Light dimming engine.
- Led's operating life time over 150,000 hours at maximum output.
- Dedicated optical lens per LED for enhanced spread and uniformity.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical applications.
- Battery enclosure
- Aluminum housing for efficient heat dissipation
- IDA Approved

### Uses and Applications Guide

Mid-size roads	●
Warehouse	●
Tents	●
Boardwalks	●
Farms	●
Sign	●
Access roads	●
Walking paths	●

### Ordering Guide: EXAMPLE: HL-FL-AUR-A-A-45W-15W-3-30K-192WH-GR-00

Model	Solar Panel Quantity	LED Quantity	Solar Panel	LED Power	Distribution type	LED Color Temp	Battery Options	Body Color	Options
HL-FL-AUR	A- 1 Panel B- 2 Panel	A – 1 pc B – 2 pcs	45W 60W 80W 100W 120W 140W 180W 200W	15W 20W 30W 50W 60W	3 - Type III	30K 40K 50K 57K	192WH 312WH 460WH 680WH	GR - Grey	00 - not required 01 - motion sensor



\*Up on request

### Technical Specifications

#### Lighting and Operation

Lighting Technology	LED Flood Light Technology
Brightness	Up to 8,400 Lumen
Color temperature	5,500°K (other may be available upon request)
Available distribution types	III
Standard operation features	<ul style="list-style-type: none"> <li>• Automatic day/night detection</li> <li>• Battery deep discharge and overcharge protection</li> <li>• False activation prevention logic</li> <li>• Computerized self-learning seasons change detection</li> <li>• Auto-adjusting battery charge algorithm according to ambient temperature sensing</li> </ul>
Operation time	up to 72 hours (per charge cycle, programming dependent)

Solar panel Enclosure	Mount on the ground, on a roof, on a wall, on a pole.
-----------------------	-------------------------------------------------------

#### Energy Collection and Storage

Solar panel type	Mono/ Poly Crystalline Silicon
Battery type	Lithium
Voltage / Current	12VDC

#### Materials

Body	Galvanized Steel/Stainless steel and Aluminum
Dimensions (main body)	Depends on configuration
Unit weight	Depends on configuration
EPA	Depends on configuration
IP Rating	IP67

#### Optional Features

Integrated Motion Option	Allows for flexible energy saving programming for location with low insolation levels and extreme weather conditions.
--------------------------	-----------------------------------------------------------------------------------------------------------------------



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The SolarPath HIGHLIGHT ML-FL-R™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. This product has both a solar engine and a flood light. The ML-FL-R's battery and control is attached to solar panel which allows this product to be used for field, sign, warehouses, roofs, ground and on walls.

### Key features:

- Low installation and maintenance costs.
- Replaceable Battery.
- Adjustable bracket.
- IP65 Rating.
- High performance 1W LEDs with 200lm/w.
- Light dimming engine.
- Led's operating life time over 100,000 hours at maximum output.
- PTC Auto-heating system.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical applications.
- Aluminum housing for efficient heat dissipation



### Technical specifications

Solar Module Parameters	Type	Bifacial monocrystalline Silicon
	Power	Up to 360W (120w*3)
Solar Charge Controller Parameters	Type	MPPT
Battery Parameters	Type	LifePO4
	Capacity	Up to 192AH
LED Light Parameters	Light Source Power	Up to 100W each
	Lamp Rated Total Luminous Flux	Up to 20,000lm
	Luminous Efficacy	200lm/w
	Input Voltage	DC43V
	CCT (Correlated Color Temperature)	3,000K-6,000K
	Color Rendering Index (CRI)	≥70
Operation profiles	Programmable, depend on solar radiation.	
Lighting Material	Die-casting Aluminum + Stainless steel	

### Uses and Applications Guide

Warehouse	●
Tents	●
Boardwalks	●
Monuments	●
Signs	●
Gardens	●



**Ordering Guide:** EXAMPLE: HIGHLIGHT ML-FL-R-A-120W-30W-3-30K -36AH-BLK-PTC-01

Model	Solar panel Qty.	Solar Panel	LED Power	Distribution type	LED Color Temp	Battery Options	Body Color	Options
HIGHLIGHT-ML-FL-R	A – 1pc B – 2pcs C – 3pcs	120W	30W 40W 50W 75W 90W 100W	3- Type III	30K 40K 50K 60K	36AH 48AH 60AH 96AH 120AH 192AH	BLK- Black	PTC-Auto-heating system 00- No Motion sensor 01- With Motion sensor



\*Up on request.

The design of solar street light / courtyard light absorbs energy from the universe, and combines it with high efficiency solar panel, LEDs, and Lithium battery. It adopts advantage technics such as micro-controller, human infrared sensor and so on and combines with integrated design to achieve multiple features such as low power consumption but high brightness, long lifespan and maintenance free, meanwhile with waterproof function and great thermal dissipation. The intelligent control can be reprogrammed from the ground with an infrared before and after install. It is one of our great innovation patented products.



### Key features:

- Low installation and maintenance costs.
- IP65 Rating.
- IK10 Vandal proof resistance
- High performance 1W LEDs with 200lm/w.
- Light dimming engine.
- Led's operating life time over 100,000 hours at maximum output.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical applications.
- Aluminum housing for efficient heat dissipation

### Uses and Applications Guide

Warehouses	●
Tents	●
Kiosks	●



### Technical specifications

Solar Module Parameters	Type	Monocrystalline Silicon /Flexible solar panel
	Power	Up to 30W
Solar Charge Controller Parameters	Type	MPPT
Battery Parameters	Type	Li-ion
	Capacity	Up to 12AH
LED Light Parameters	Light Source Power	Up to 6W
	Lamp Rated Total Luminous flux	Up to 1,200lm
	Luminous Efficacy	200lm/w
	CCT (Correlated Color Temperature)	3,000K /5,000K Can change by push button.
	Color Rendering Index (CRI)	≥ 82
Operation profiles	<ol style="list-style-type: none"> <li>1. Dust to dawn; first 4hrs-100% output; 5hrs-50% output then 20% output with occupancy sensor.</li> <li>2. 5hr-100% output then off.</li> <li>3. 100% dusk to dawn.</li> </ol> **Programmable, depend on solar radiation.	
Lighting Material	Die-casting Aluminum	
Product size	L15"*W5.5"*H3.5"	

### Ordering Guide: EXAMPLE: SP-CPKL-30W-2W-3-30K -6AH-WH-00

Model	Solar panel type	Solar Panel	LED Power	Distribution type	LED Color Temp	Battery Options	Body Color	Options
SP-CPKL	A- Bifacial panel 	30W	2W	3- Type III	30K	6AH 12AH	WH- White	00- No motion sensor 01-Motion sensor
	B- Flexible panel 		4W 6W		50K			



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The design of the Flag Pole and Tree Light absorbs energy from the universe and combines it with high efficiency solar panels and LEDs. It adopts advanced technologies such as microcontroller, which combines with integrated design to achieve multiple features such as low power consumption. This allows for high brightness, long lifespan and maintenance free. This also allows for waterproof functionality and great thermal dissipation.

**Advantage:**

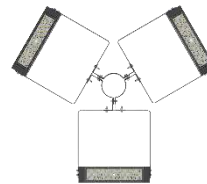
- Low installation and maintenance costs.
- Replaceable battery
- IP Rating IP65
- Materials: Aluminum + Stainless steel.
- Solar panel can be mounted to the tree or on ground.
- Customize mounting bracket.
- Work Time: Dusk to dawn.

**Uses and Applications Guide**

Trees	●
Flagpoles	●
	●

**Technical Specifications**

Solar Power	Up to 175W
LED Power	Up to 50W
Led Color Temperature	3,000K-6,000K
Battery Type	Lithium Battery
Battery Capacity	Up to 130AH
Controller	MPPT
IP Rating	IP65
Operation mode	Dusk to Dawn
Material	Die-casting aluminum + Stainless steel



**Ordering guide: SP-SPTL-50W-A-15W-2-30K-15AH**

Model	Solar Panel	Led Qty.	LED Power	Distribution Type	Color temp.	Battery Capacity	Solar panel mounting option
SP-SPTL	50W 75W 100W 115W 175W	A- 1pc B- 2pcs C- 3pcs D- 4pcs	15W 20W 25W 50W	2- Type II 3- Type III	30K 40K 60K	18AH 45AH 50AH 130AH	GD- Ground PE- Pole



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## HIGHLIGHT SP-LBL™

HIGHLIGHT SP-LBL™ solar billboard light is the ideal LED solar illumination technology for billboard, signs applications. The system is operating automatic with maintenance free.

### Key features:

- Low installation and maintenance costs.
- Replaceable Battery.
- IP66 Rating.
- Light dimming engine.
- Led's operating life time over 100,000 hours at maximum output.
- Adjustable LED.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical applications.
- Aluminum housing for efficient heat dissipation
- Approved IDA

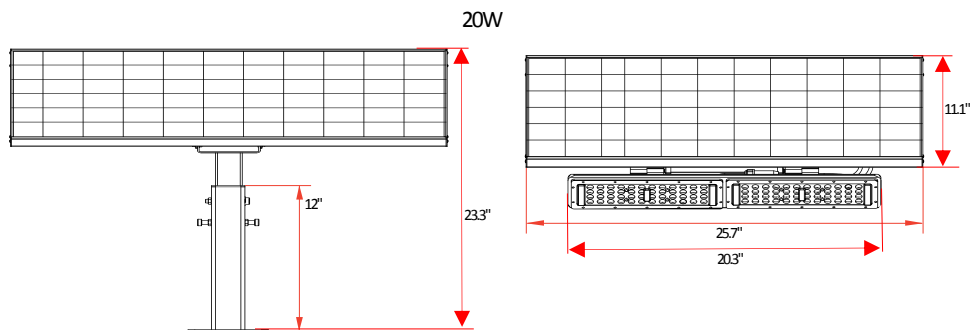
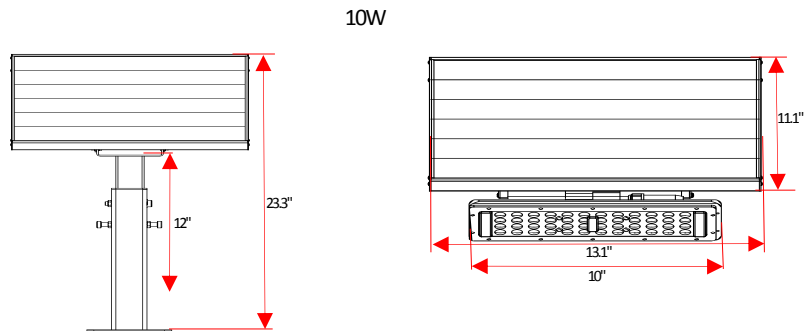


### Technical specifications

Solar Module Parameters	Type	Monocrystalline Silicon
	Power	Up to 30W
Battery Parameters	Type	Lithium-ion
	Capacity	3.7V/2200mAh
LED Light Parameters	Light Source Power	Up to 20W
	Lamp Rated Total Luminous Flux	Up to 2,000lm
	Luminous Efficacy	100lm/w
	CCT (Correlated Color Temperature)	3,000K-6,000K
	Color Rendering Index (CRI)	≥82
Lighting Material	Aluminum alloy	
Operation Profile	1hr- 100%, 3hrs- 80%, 25% till dawn.	
IP Rating	IP65	
Product size	Light body	Depend on LED power
	Solar panel	Depend on Solar wattage
Net Weight	Light body	Depend on LED power
	Solar panel	Depend on Solar wattage

### Uses and Applications Guide

Billboards	●
Signs	●



Ordering guide: [Example-HIGHLIGHT-SP-LBL-15W-10W-30K-2200mAh-BLK](#)

Model	Solar Panel	LED Power	LED color temp.	Battery capacity	Body color
HIGHLIGHT-SP-LBL	15W	10W	30K	2,200mAh	BLK-Black
	30W	20W	40K		
			60K		

\*Up on request



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## HIGHLIGHT-SP-LBL-U™

HIGHLIGHT-SP-LBL-U™ solar billboard light is the ideal LED solar illumination technology for billboard and signs applications. The off grid solar system is operating automatic with no maintenance.



### Key features:

- Low installation and maintenance costs.
- Replaceable Battery.
- IP66 Rating.
- Light dimming engine.
- Led's operating life time over 100,000 hours at maximum output.
- PTC Auto-heating system.
- Adjustable LED.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical applications.
- Aluminum housing for efficient heat dissipation
- Approved IDA

### Uses and Applications Guide

Billboards	●
Signs	●

### Technical specifications

Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 75W
Battery Parameters	Type	Lithium-ion
	Capacity	Up to 25AH
LED Light Parameters	Light Source Power	Up to 50W
	Lamp Rated Total Luminous Flux	Up to 10,000lm
	Luminous Efficacy	200lm/w
	CCT (Correlated Color Temperature)	3,000K-6,000K
	Color Rendering Index (CRI)	≥82
Lighting Material	Die-casting Aluminum + Stainless steel	
Operation Profile	1hr-100%; 2hrs-80%; 3-4hrs-60%; 5hrs-25% till dawn Customize	
IP Rating	IP66	
Product size	Light body	Depend on LED power
	Solar panel	Depend on Solar wattage
Net Weight	Light body	Depend on LED power
	Solar panel	Depend on Solar wattage



Ordering guide: [Example-HIGHLIGHT-SP-LBL-U-15W-20W-3-30K-10AH-BLK](#)

Model	Solar Panel	LED Power	Distribution Type	LED color temp.	Battery capacity	Body color	Options
HIGHLIGHT-SP-LBL-U	15W	20W	3- Type III	30K	10AH	BLK-Black	PTC-Auto-heat system
	30W	30W		40K	15AH		
	60W	40W		60K	22.5AH		
	75W	50W			25AH		



\*Up on request

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# SPBL-GLS Architectural Solar LED Light



The SPBL-GLS solar bollard light is an architectural independent lighting solution ideally for various applications such as parks, pathways, bike lanes, remote areas, golf courses, beach resorts, marinas, residential areas and landscape lighting projects.

The architectural patented design in combination with a robust high LED lighting output in a high-grade construction makes it your ideal choice for all your self-contained lighting projects.

SPBL-GLS works completely without wiring and gets its power from the sun, using a special energy storage system, which requires no replacement of batteries for several years.

Energy storage and usage is controlled by a unique built-in self-decisive software algorithm. Cloudy days or shaded areas, the intelligent energy saving SPBL-GLS always provides perfect lighting conditions.



## Key Features

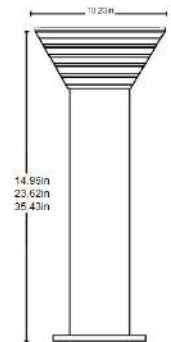
- Low installation and maintenance costs.
- High LED Performance.
- IP65
- IK10 vandal resistant.
- Battery enclosure.

## Uses and Applications Guide

Residential areas	●
Parks	●
Boardwalks	●
Resorts	●
Marinas	●
Gardens	●
Landscaping	●
Walking paths	●
Bike paths	●
Golf courses	●

## Technical Specifications

Solar Power	9.2W
Battery Capacity	3.2V/6AH
Battery Type	LifePO4
Power of Lamp	3.5W
Luminous Flux	480Lm (Cool white)
Working Temperature	5°F- 158°F
Operation Mode	Automatic ON/OFF
Remote Control	Available for RGBCW
LED Color	Cool white, warm white, RGBCW
Enclosure Rating	IP65 + IK10
Body Material	Polycarbonate + Aluminum alloy



## ORDERING GUIDE:

Example: SBPL-GLS – RGBCW- BLK-14.96-RC

Model	LED color	Body color	Height	Options
SPBL-GLS	30K 40K 60K RGBCW	BLK-Black CH-Satin chrome *Other colors upon request	14.96 in 23.62 in 35.43 in	RC-Remote control (Available for RGB only)

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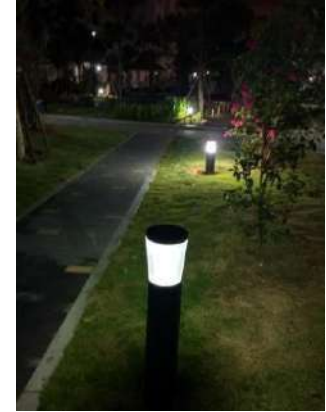


# 2SPBL2 Architectural Solar LEDBollard



The 2SBL2 solar powered LED bollard is an architectural independent lighting solution ideally for various applications such as parks, pathways, bike lanes, remote areas, golf courses, beach resorts, marinas, residential areas and landscape lighting projects.

The architectural patented design in combination with a robust high LED lighting output in a high-grade construction makes it your ideal choice for all your self-contained lighting projects.



## Technical Specifications

Solar Power	3.5W
Battery Capacity	6.4V/4.5Ah
Battery Type	LifePO4 Battery, more than 2000 cycles.
Power of Lamp	1.2W
Pole Height (Light Included)	31.49in
Rainy/Cloudy Days	3-5 Days
Working Temperature	-4°F- 131°F

### LED and Optics

Lighting Technology	ELED chip, 110lm/w, Beam angle 120°
Life span	50.000 Hours
CCT	3000K warm color; 5000K white color

### Solar Module

	Monocrystalline solar panel
	3.5 Watt power
	High class mono cells

### Intelligent Controls

	Can be programmed with a remote
Work Time	Dusk To Dawn with 12 hours back up (Depends on solar radiation)

### Materials

Body	Anodized aluminum alloy
	Eco design


2SPBL2 works completely without wiring and gets its power from the sun, using a special energy storage system, which requires no replacement of batteries for several years.

Energy storage and usage is controlled by a unique built-in self-decisive software algorithm. Cloudy days or shaded areas, the intelligent energy saving 2SPBL2 always provides perfect lighting conditions.

## Uses and Applications Guide

Residential areas	●
Parks	●
Boardwalks	●
Resorts	●
Marinas	●
Gardens	●
Landscaping	●
Walking paths	●
Bike paths	●
Golf courses	●

## ORDERING GUIDE

<b>Series</b>	<b>LED Color</b>	<b>Dimming</b>	<b>Distribution</b>	<b>Finish</b>	<b>Height</b>	<b>Install options</b>
<input type="text" value="2SPBL2"/>	<input type="text" value="30K- 3,000K&lt;br/&gt;40K- 4,000K&lt;br/&gt;50K- 5,000K&lt;br/&gt;AMB-Amber"/>	<input type="text" value="1 no Sensor&lt;br/&gt;2 Sensor"/>	<input beam="" data-bbox="739 1714 806 1767" diagram"="" narrow="" type="text" value="NR &lt;img alt="/> Narrow WD  Wide"/>	<input type="text" value="BLK- Black (Standard)&lt;br/&gt;BRZ- Bronze&lt;br/&gt;WH-White&lt;br/&gt;*Other colors available-&lt;br/&gt;MOQ-25pcs"/>	<input type="text" value="31.49"/>	<input type="text" value="SC-Screws"/>

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# 2SPBL3 Architectural Solar LEDBollard



The 2SPBL3 solar powered LED bollard is an architectural independent lighting solution ideally for various applications such as parks, pathways, bike lanes, remote areas, golf courses, beach resorts, marinas, residential areas and landscape lighting projects.

The architectural patented design in combination with a robust high LED lighting output in a high-grade construction makes it your ideal choice for all your self-contained lighting projects.

2SPBL3 works completely without wiring and gets its power from the sun, using a special energy storage system, which requires no replacement of batteries for several years.

Energy storage and usage is controlled by a unique built-in self-decisive software algorithm. Cloudy days or shaded areas, the intelligent energy saving 2SPBL3 always provides perfect lighting



## Technical Specifications

Solar Power	5.5W
Battery Capacity	6.4V/4.5Ah
Battery Type	LifePO4 Battery, more than 2000 cycles.
Power of Lamp	3Watt
Pole Height (Light included)	31.49in
Rainy/Cloudy Days	3-5 Days
Working Temperature	-4°F- 131°F

### LED and Optics

Lighting Technology	LED chip, 110lm/w, Beam angle 120°
Life span	50.000 Hours
CCT	3000K warm color; 5000K white color

### Solar Module

	Monocrystalline solar panel
	5.5Watt power
	High class mono cells

### Intelligent Controls

	Can be programmed with a remote
--	---------------------------------

### Work Time

	Dusk To Dawn with 12 hours back up (Depends on solar radiation)
--	-----------------------------------------------------------------

### Materials

Body	Anodized aluminum alloy
	Eco design

## Uses and Applications Guide

Residential areas	●
Parks	●
Boardwalks	●
Resorts	●
Marinas	●
Gardens	●
Landscaping	●
Walking paths	●
Bike paths	●
Golf courses	●

## ORDERING GUIDE

Series	LED Color	Dimming	Distribution	Finish	Height
2SPBL3	30K- 3,000K 40K- 4,000K 50K- 5,000K AMB-Amber	1 no Sensor 2 Sensor	NR  Narrow WD  Wide	BLK Black(standard) BRZ Bronze WHITE White other colors available- minimum 25pcs	31.49in

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# 2SPBL4 Architectural Solar LED Light



The 2SPBL4 solar bollard light is an architectural independent lighting solution ideally for various applications such as parks, pathways, bike lanes, remote areas, golf courses, beach resorts, marinas, residential areas and landscape lighting projects.

The architectural patented design in combination with a robust high LED lighting output in a high-grade construction makes it your ideal choice for all your self-contained lighting projects.

2SPBL4 works completely without wiring and gets its power from the sun, using a special energy storage system, which requires no replacement of batteries for several years.

Energy storage and usage is controlled by a unique built-in self-decisive software algorithm. Cloudy days or shaded areas, the intelligent energy saving 2SBL4 always provides perfect lighting conditions.



## Uses and Applications Guide

Residential areas	●
Parks	●
Boardwalks	●
Resorts	●
Marinas	●
Gardens	●
Landscaping	●
Walking paths	●
Bike paths	●
Golf courses	●

## Technical Specifications

Solar Power	3.5W
Battery Capacity	6.4V/5Ah
Battery Type	LifePO4 Battery, more then 2000 cycles
Power of Lamp	1.8W (235lm-255lm)
Pole Height (Light Included)	31.49in
Rainy/Cloudy Days	Depends on solar radiation
Working Temperature	-4°F- 131°F
Operation Mode	30% dim, when motion sensor trigger 100% to 30 sec.
Lighting Technology	Chip LED, Beam angle 120°
Life span	50.000 Hours
CCT	3,000K – 6,000K
Solar Module	Monocrystalline solar panel
IP Rating	IP65
Body Material	Anodized aluminum alloy

## ORDERING GUIDE

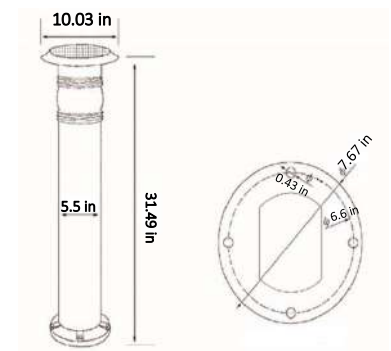
Example: 2SPBL4 – 30K – 0 – GR-31.49"

Series	LED Color	Dimming	Finish	Height
2SPBL4	30K 3000K 40K 4000K 50K 5000K 60K 6000K	0 – No Sensor 1 - Sensor	GR - Grey BLK - Black	31.49 in

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# 2SPBL5 Architectural Solar LED Bollard



The 2SPBL5 solar powered LED bollard is an architectural independent lighting solution ideally for various applications such as parks, pathways, bike lanes, remote areas, golf courses, beach resorts, marinas, residential areas and landscape lighting projects.

The architectural patented design in combination with a robust high LED lighting output in a high-grade construction makes it your ideal choice for all your self-contained lighting projects.

2SPBL5 works completely without wiring and gets its power from the sun, using a special energy storage system, which requires no replacement of batteries for several years.

Energy storage and usage is controlled by a unique built-in self-decisive software algorithm. Cloudy days or shaded areas, the intelligent energy saving 2SPBL5 always provides perfect lighting conditions.



## Technical Specifications

Solar Power	5.5W
Battery Capacity	6.4V/4.5Ah
Battery Type	LifePO4 Battery, more than 2000 cycles.
Power of Lamp	3W
Pole Height (Light included)	31.49in
Rainy/Cloudy Days	3-5 Days
Working Temperature	-4°F- 131°F

### LED and Optics

Lighting Technology	LED chip, 110lm/w, Beam angle 120°
Life span	50,000 Hours
CCT	3000K warm color; 5000K white color

### Solar Module

	Monocrystalline solar panel
	5.5 Watt power
	High class mono cells

### Intelligent Controls

Work Time	Can be programmed with a remote
	Dusk To Dawn with 12 hours back up (Depends on solar radiation)

### Materials

Body	Anodized aluminum alloy
	Eco design

## Uses and Applications Guide

Residential areas	●
Parks	●
Boardwalks	●
Resorts	●
Marinas	●
Gardens	●
Landscaping	●
Walking paths	●
Bike paths	●
Golf courses	●

## ORDERING GUIDE

Series	LED Color	Dimming	Distribution	Finish	Height
2SPBL5	30K- 3,000K 40K- 4,000K 55K- 5,500K AMB -Amber	1 no Sensor 2 Sensor	NR  Narrow WD  Wide	BLK Black(standard) BRZ Bronze WHITE White other colors available- minimum 25pcs	31.49in

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# 2SPBL6 Architectural Solar LED Light



The 2SPBL6 solar bollard light is an architectural independent lighting solution ideally for various applications such as parks, pathways, bike lanes, remote areas, golf courses, beach resorts, marinas, residential areas and landscape lighting projects.

The architectural patented design in combination with a robust high LED lighting output in a high-grade construction makes it your ideal choice for all your self-contained lighting projects.

2SPBL6 works completely without wiring and gets its power from the sun, using a special energy storage system, which requires no replacement of batteries for several years.

Energy storage and usage is controlled by a unique built-in self-decisive software algorithm. Cloudy days or shaded areas, the intelligent energy saving 2SBL6 always provides perfect lighting conditions.



## Uses and Applications Guide

Residential areas	●
Parks	●
Boardwalks	●
Resorts	●
Marinas	●
Gardens	●
Landscaping	●
Walking paths	●
Bike paths	●
Golf courses	●

## Technical Specifications

Solar Power	3.5W
Battery Capacity	6.4V/5Ah
Battery Type	LifePO4 Battery, more then 2000 cycles
Power of Lamp	1.8W (235lm-255lm)
Pole Height (Light Included)	31.49in
Rainy/Cloudy Days	Depends on solar radiation
Working Temperature	-4°F- 131°F
Operation Mode	30% dim, when motion sensor trigger 100% to 30 sec.
Lighting Technology	Chip LED, Beam angle 120°
Life span	50.000 Hours
CCT	3,500K – 7,500K
Solar Module	Monocrystalline solar panel
IP Rating	IP65
Body Material	Anodized aluminum alloy

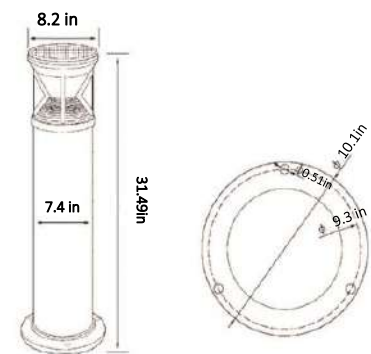
## ORDERING GUIDE

Example: 2SPBL6 – 30K – 0 - GR

Series	LED Color	Dimming	Finish	Height
2SPBL6	30K 3000K 40K 4000K 50K 5000K 60K 6000K	0 – No Sensor 1 - Sensor	GR - Grey BLK - Black	31.49 in

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# 2SPBL7 Architectural Solar LED Bollard



The 2SPBL7 solar powered LED bollard is an architectural independent lighting solution ideally for various applications such as parks, pathways, bike lanes, remote areas, golf courses, beach resorts, marinas, residential areas and landscape lighting projects.

The architectural patented design in combination with a robust high LED lighting output in a high-grade construction makes it your ideal choice for all your self-contained lighting projects.

2SPBL7 works completely without wiring and gets its power from the sun, using a special energy storage system, which requires no replacement of batteries for several years.

Energy storage and usage is controlled by a unique built-in self-decisive software algorithm. Cloudy days or shaded areas, the intelligent energy saving 2SPBL7 always provides perfect lighting conditions.



## Technical Specifications

Solar Power	3.5W
Battery Capacity	6.4V/4.5Ah
Battery Type	LifePO4 Battery, more than 2000 cycles.
Power of Lamp	1.2W
Pole Height (Light included)	31.49in
Rainy/Cloudy Days	3-5 Days
Working Temperature	-4°F- 131°F

## LED and Optics

Lighting Technology	LED chip, 110lm/w, Beam angle 120°
Life span	50,000 Hours
CCT	3000K warm color; 5000K white color

## Solar Module

	Monocrystalline solar panel
	3.5 Watt power
	High class mono cells

## Intelligent Controls

	Can be programmed with a remote
Work Time	Dusk To Dawn with 12 hours back up (Depends on solar radiation)

## Materials

Body	Anodized aluminum alloy
	Eco design

## Uses and Applications Guide

Residential areas	●
Parks	●
Boardwalks	●
Resorts	●
Marinas	◐
Gardens	●
Landscaping	●
Walking paths	●
Bike paths	●
Golf courses	●

## ORDERING GUIDE

Series	LED Color	Dimming	Distribution	Finish	Height
2SPBL7	30K- 3,000K 40K- 4,000K 50K- 5,000K AMB- Amber	1 no Sensor 2 Sensor	NR  Narrow WD  Wide	BLK Black(standard) BRZ Bronze WH White other colors available- minimum 25pcs	31.49in

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# 2SPBL8 Architectural Solar LEDLight



The 2SPBL8 solar powered are architectural independent lighting solution ideally for various applications such as parks, pathways, bike lanes, remote areas, golf courses, beach resorts, marinas, residential areas and landscape lighting projects.

The architectural patented design in combination with a robust high LED lighting output in a high-grade construction makes it your ideal choice for all your self-contained lighting projects.

2SPBL8 works completely without wiring and gets its power from the sun, using a special energy storage system, which requires no replacement of batteries for several years.

Energy storage and usage is controlled by a unique built-in self-decisive software algorithm. Cloudy days or shaded areas, the intelligent energy saving 2SPBL8 always provides perfect lighting conditions.



## Technical Specifications

Solar Power	3W
Battery Capacity	3.7V/2.2Ah
Battery Type	Lithium Battery
Power of Lamp	3W with sensor
Pole Height(Lamp included)	31.49in
Rainy/Cloudy Days	2-4 Days
Working Temperature	-4°F- 131°F

### LED and Optics

Lighting Technology	LED chip, 110lm/w, Beam angle 120°
Life span	50,000 Hours
CCT	3000K warm color; 5000K white color

### Solar Module

	High efficiency Mono or poly solar panels
	3 Watt power
	solar cells high efficiency

### Intelligent Controls

	Can be programmed with a remote
--	---------------------------------

### Work Time

	Dusk To Dawn with 12 hours back up (Depends on solar radiation)
--	-----------------------------------------------------------------

### Materials

Body	Anodized aluminum alloy
	Eco design

## Uses and Applications Guide

Residential areas	●
Parks	●
Boardwalks	●
Resorts	●
Marinas	●
Gardens	●
Landscaping	●
Walking paths	●
Bike paths	●
Golf courses	●

## ORDERING GUIDE

Series	LED Color	Dimming	Distribution	Finish	Height
2SPBL8	30K- 3,000K 40K- 4,000K 50K- 5,000K AMB- Amber	1 no Sensor 2 Sensor	NR  Narrow WD  Wide	BLK Black(standard) BRZ Bronze WH White other colors available- minimum 25pcs	31.49in

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# 2SPBL10 Architectural Solar LED Light



The 2SPBL10 solar bollard light is an architectural independent lighting solution ideally for various applications such as parks, pathways, bike lanes, remote areas, golf courses, beach resorts, marinas, residential areas and landscape lighting projects.

The architectural patented design in combination with a robust high LED lighting output in a high-grade construction makes it your ideal choice for all your self-contained lighting projects.

2SPBL10 works completely without wiring and gets its power from the sun, using a special energy storage system, which requires no replacement of batteries for several years.

Energy storage and usage is controlled by a unique built-in self-decisive software algorithm. Cloudy days or shaded areas, the intelligent energy saving 2SBL10 always provides perfect lighting conditions.



## Uses and Applications Guide

Residential areas	●
Parks	●
Boardwalks	●
Resorts	●
Marinas	●
Gardens	●
Landscaping	●
Walking paths	●
Bike paths	●
Golf courses	●

## Technical Specifications

Solar Power	3.5W
Battery Capacity	6.4V/5Ah
Battery Type	LifePO4 Battery, more then 2000 cycles
Power of Lamp	1.8W (235lm-255lm)
Pole Height (Light Included)	31.49in
Rainy/Cloudy Days	Depends on solar radiation
Working Temperature	-4°F- 131°F
Operation Mode	30% dim, when motion sensor trigger 100% to 30 sec.
Lighting Technology	Chip LED, Beam angle 120°
Life span	50.000 Hours
CCT	3,000K – 6,000K
Solar Module	Monocrystalline solar panel
IP Rating	IP65
Body Material	Anodized aluminum alloy

## ORDERING GUIDE

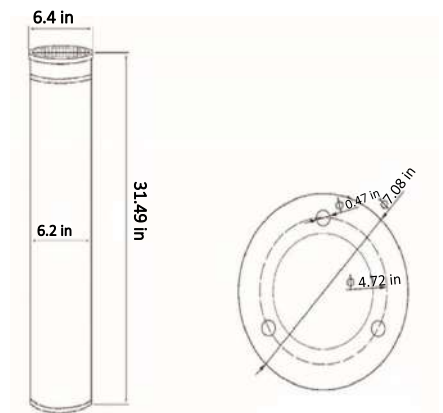
Example: 2SBPL10 – 30K- 0- GR-31.49"

Series	LED Color	Dimming	Finish	Height
2SPBL10	30K 3000K 40K 4000K 50K 5000K 60K 6000K	0 – No Sensor 1 - Sensor	GR - Grey BLK - Black	31.49 in

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# 2SPBL11 Architectural Solar LED Light



The 2SPBL11 solar bollard light is an architectural independent lighting solution ideally for various applications such as parks, pathways, bike lanes, remote areas, golf courses, beach resorts, marinas, residential areas and landscape lighting projects.

The architectural patented design in combination with a robust high LED lighting output in a high-grade construction makes it your ideal choice for all your self-contained lighting projects.

2SPBL11 works completely without wiring and gets its power from the sun, using a special energy storage system, which requires no replacement of batteries for several years.

Energy storage and usage is controlled by a unique built-in self-decisive software algorithm. Cloudy days or shaded areas, the intelligent energy saving 2SBL11 always provides perfect lighting conditions.



## Uses and Applications Guide

Residential areas	●
Parks	●
Boardwalks	●
Resorts	●
Marinas	●
Gardens	●
Landscaping	●
Walking paths	●
Bike paths	●
Golf courses	●

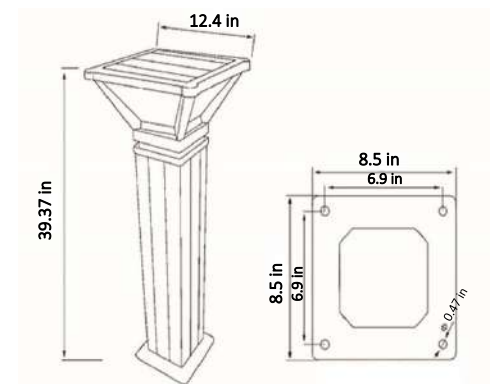
## Technical Specifications

Solar Power	7W
Battery Capacity	6.4V/5Ah
Battery Type	LifePO4 Battery, <b>more then 2000 cycles</b>
Power of Lamp	3W (440lm-500lm)
Pole Height (Light Included)	39.37in
Rainy/Cloudy Days	Depends on solar radiation
Working Temperature	5°F- 149°F
Operation Mode	30% dim, when motion sensor trigger 100% to 30 sec.
Lighting Technology	Chip LED, Beam angle 120°
Life span	50.000 Hours
CCT	3,000K – 6,000K
Solar Module	Monocrystalline solar panel
IP Rating	IP65
Body Material	Anodized aluminum alloy

## ORDERING GUIDE

Example: 2SPBL11- 30K - 0 - GR-39.37"

Series	LED Color	Dimming	Finish	Height
2SPBL11	30K 3000K 40K 4000K 50K 5000K 60K 6000K	0 - No Sensor 1 - Sensor	GR - Grey BLK - Black	39.37 in



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# 2SPBL12 Architectural Solar LED Light



The 2SPBL12 solar bollard light is an architectural independent lighting solution ideally for various applications such as parks, pathways, bike lanes, remote areas, golf courses, beach resorts, marinas, residential areas and landscape lighting projects.

The architectural patented design in combination with a robust high LED lighting output in a high-grade construction makes it your ideal choice for all your self-contained lighting projects.

2SPBL12 works completely without wiring and gets its power from the sun, using a special energy storage system, which requires no replacement of batteries for several years.

Energy storage and usage is controlled by a unique built-in self-decisive software algorithm. Cloudy days or shaded areas, the intelligent energy saving 2SBL12 always provides perfect lighting conditions.



## Uses and Applications Guide

Residential areas	●
Parks	●
Boardwalks	●
Resorts	●
Marinas	●
Gardens	●
Landscaping	●
Walking paths	●
Bike paths	●
Golf courses	●

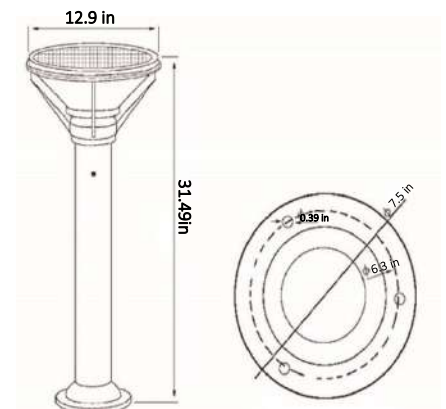
## Technical Specifications

Solar Power	7W
Battery Capacity	6.4V/5Ah
Battery Type	LifePO4 Battery, <b>more then 2000 cycles</b>
Power of Lamp	4W (440lm-500lm)
Pole Height (Light Included)	31.49in
Rainy/Cloudy Days	Depends on solar radiation
Working Temperature	5°F- 149°F
Operation Mode	30% dim, when motion sensor trigger 100% to 30 sec.
Lighting Technology	Chip LED, Beam angle 120°
Life span	50.000 Hours
CCT	3,000K – 6,000K
Solar Module	Monocrystalline solar panel
IP Rating	IP65
Body Material	Anodized aluminum alloy

## ORDERING GUIDE

Example: 2SPBL12-30K-0-GR-31.49"

Series	LED Color	Dimming	Finish	Height
2SPBL12	30K 3000K 40K 4000K 50K 5000K 60K 6000K	0 – No Sensor 1 - Sensor	GR - Grey BLK - Black	31.49 in



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# 2SPBL13-HW Architectural Solar LED Light

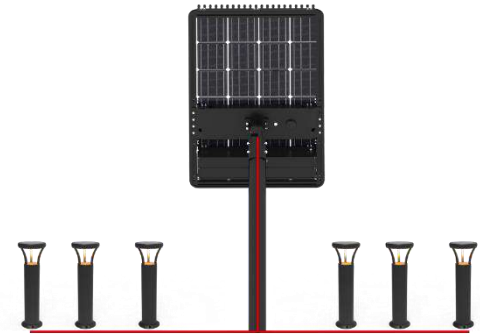


The 2SPBL13-HW solar bollard light is an architectural independent lighting solution ideally for various applications such as parks, pathways, bike lanes, remote areas, golf courses, beach resorts, marinas, residential areas and landscape lighting projects.

The architectural patented design in combination with a robust high LED lighting output in a high-grade construction makes it your ideal choice for all your self-contained lighting projects.

2SPBL13-HW works completely without wiring and gets its power from the sun, using a special energy storage system, which requires no replacement of batteries for several years.

Energy storage and usage is controlled by a unique built-in self-decisive software algorithm. Cloudy days or shaded areas, the intelligent energy saving 2SBL13-HW always provides perfect lighting conditions.



## Key Features

- Maintenance free.
- Minimal ongoing costs with no electricity bills
- IP65 Rating.
- Battery level LED display.
- Ease of installation
- IK10 resistance- Optional
- 2 years warranty.

## Technical Specifications

Solar Power	Up to 160W
Battery Capacity	Up to 65AH (Lithium)
Battery Type	Li-ion Battery
Power of Lamp	3W (up to 450lm) each
Distribution type	Type III, type V
Pole Height (Light Included)	Up to 35"
Rainy/Cloudy Days	Depends on solar radiation
Operation Mode	1. Dusk to dawn. 2. Dimming option.
Lighting Technology	NICHIA/ OSRAM LED
Life span	50.000 Hours
CCT	3,000K / 5,000K / 6,000K (other colors available)

## Uses and applications guide

Marinas	<input type="radio"/>
Gardens	<input type="radio"/>
Landscaping	<input type="radio"/>
Walking paths	<input type="radio"/>
Bike paths	<input type="radio"/>

Solar Module	Impact Monocrystalline solar panel
Working temperature	-40°F - 140°F
IP Rating	IP65
Body Material	Anodized aluminum alloy

## Ordering guide

Example: 2SPBL13-HW-50W-A-30K - 3 - BLK - 35"-SC-IK-DS

Solar panel	Bollard qty.	LED Color	Distribution type	Finish	Height	Install option	Option
50W	A- 1 bollard	30K***	3 - Type III	BLK - Black	35"	SC-Screws	IK-IK10
75W	B- 2 bollards	50K	5 - Type V	*Other colors upon request		AB-Anchor bolts	DS-3,000K or lower must be selected to meet IDA Dark Sky requirements
115W	C- 3 bollards	60K					
160W	D- 4 bollards	*Other colors available.					
	E- 5 bollards						
	F- 6 bollards						

Distribution Type III



Distribution Type V



\*\*\* 3,000K or lower must be selected to meet IDA Dark Sky requirements



\*Up on request

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# 2SPBL13-WP Architectural Solar LED Light



The 2SPBL13-WP solar bollard light is an architectural independent lighting solution ideally for various applications such as parks, pathways, bike lanes, remote areas, golf courses, beach resorts, marinas, residential areas and landscape lighting projects.

The architectural patented design in combination with a robust high LED lighting output in a high-grade construction makes it your ideal choice for all your self-contained lighting projects.

2SPBL13-WP works completely without wiring and gets its power from the sun, using a special energy storage system, which requires no replacement of batteries for several years.

Energy storage and usage is controlled by a unique built-in self-decisive software algorithm. Cloudy days or shaded areas, the intelligent energy saving 2SBL13-WP always provides perfect lighting conditions.



## Key Features

- Maintenance free.
- Minimal ongoing costs with no electricity bills
- IP65 Rating.
- Battery level LED display.
- Ease of installation
- IK10 resistance- Optional
- 2 years warranty.

## Uses and applications guide

Marinas	●
Gardens	●
Landscaping	●
Walking paths	●
Bike paths	●

## Technical Specifications

Solar Power	Up to 60W (8W top panel, 26W*2 pcs wrap panel)
Battery Capacity	7.4V/10AH
Battery Type	Li-ion Battery
Power of Lamp	1.75W (up to 350lm)
Distribution type	Type III, type V
Pole Height (Light Included)	Up to 35"
Rainy/Cloudy Days	Depends on solar radiation
Operation Mode	1. Dusk to dawn. 2. Dimming option.
Lighting Technology	NICHIA/ OSRAM LED
Life span	50,000 Hours
CCT	3,000K / 5,000K / 6,000K (other colors available)
Solar Module	Impact Monocrystalline solar panel
Working temperature	-40°F - 140°F
IP Rating	IP65
Body Material	Anodized aluminum alloy

## Ordering guide

Example: 2SPBL13- 30K - 3 - BLK - 24" -SC- IK-DS-WP

LED Color	Distribution type	Finish	Height	Install option	Option
2SPBL13	-	-	-	-	-
30K*** 50K 60K <small>*Other colors available.</small>	3 - Type III 5 - Type V	BLK - Black <small>*Other colors upon request</small>	35"	SC-Screws AB-Anchor bolts	IK- IK10 DS-3,000K or lower must be selected to meet IDA Dark Sky requirements WP-Wrap solar panel

\*\*\* 3,000K or lower must be selected to meet IDA Dark Sky requirements



\*Up on request

Distribution Type III



Distribution Type V



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# 2SPBL14 Architectural Solar LED Light



The 2SPBL14 solar bollard light is an architectural independent lighting solution ideally for various applications such as parks, pathways, bike lanes, remote areas, golf courses, beach resorts, marinas, residential areas and landscape lighting projects.

The architectural patented design in combination with a robust high LED lighting output in a high-grade construction makes it your ideal choice for all your self-contained lighting projects.



2SPBL14 works completely without wiring and gets its power from the sun, using a special energy storage system, which requires no replacement of batteries for several years.

Energy storage and usage is controlled by a unique built-in self-decise software algorithm. Cloudy days or shaded areas, the intelligent energy saving 2SBL13 always provides perfect lighting conditions.

## Key Features

- Maintenance free.
- Minimal ongoing costs with no electricity bills
- IP65 Rating.
- Turtle friendly amber LED.
- Battery level LED display.
- Ease of installation
- IK10 resistance- Optional
- 2 years warranty.

## Technical Specifications

Solar Power	8W
Battery Capacity	7.4V/10AH
Battery Type	Li-ion Battery
Power of Lamp	5W (up to 500lm)
Distribution type	Type II, type V
Pole Height (Light Included)	35"
Rainy/Cloudy Days	Depends on solar radiation
Operation Mode	1.6hr-100% brightness then OFF. 2.6hr-100% brightness, then 25% to dawn. 3.4hr-100%, 4hr-40% then OFF. 4. 40% Dusk to dawn.
Lighting Technology	OSRAM LED
Life span	50.000 Hours
CCT	3,000K / 5,000K / 6,000k (other colors available)

## Uses and applications guide

Marinas	●
Gardens	●
Landscaping	●
Walking paths	●
Bike paths	●

Solar Module	Impact Monocrystalline solar panel
Working temperature	-40°F - 140°F
IP Rating	IP65
Body Material	Anodized aluminum alloy

## Ordering guide

Example: 2SPBL14- 30K - 3 - BLK - 24"-SC-IK

2SPBL14	LED Color	Distribution type	Finish	Height	Install option	Option
	30K	3 - Type III	BLK - Black	35"	SC-Screws	IK-IK10
	40K	5 - Type V	*Other colors upon request		AB-Anchor bolts	
	50K					
	60k					

\*Other colors Available.



- Up on request

Distribution Type III



Distribution Type V



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# 2SPBL15 Architectural Solar LED Light



The 2SPBL15 solar bollard light is an architectural independent lighting solution ideally for various applications such as parks, pathways, bike lanes, remote areas, golf courses, beach resorts, marinas, residential areas and landscape lighting projects.

The architectural patented design in combination with a robust high LED lighting output in a high-grade construction makes it your ideal choice for all your self-contained lighting projects.

2SPBL15 works completely without wiring and gets its power from the sun, using a special energy storage system, which requires no replacement of batteries for several years.

Energy storage and usage is controlled by a unique built-in self-decisive software algorithm. Cloudy days or shaded areas, the intelligent energy saving 2SBL15 always provides perfect lighting conditions.

## Uses and Applications Guide

Residential areas	●
Parks	●
Boardwalks	●
Resorts	●
Marinas	●
Gardens	●
Landscaping	●
Walking paths	●
Bike paths	●
Golf courses	●

### ORDERING GUIDE

Example: 2SBPL15 – 30K- 0- BLK-31.49"

Series	LED Color	Dimming	Finish	Height
2SPBL15	- [ ] -	[ ] -	[ ] -	[ ]
	30K 3000K 40K 4000K 50K 5000K 60K 6000K Amber	0 – No Sensor 1 - Sensor	BLK - Black	31.49"

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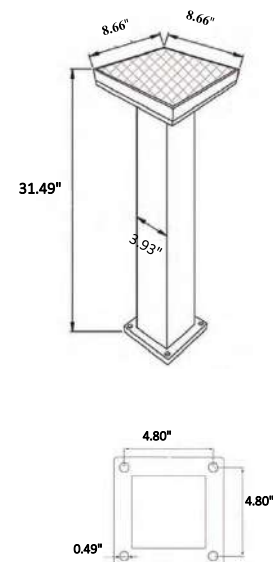
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## Technical Specifications

Solar Power	6.5W
Battery Capacity	3.2V/12Ah
Battery Type	LifePO4 Battery, more than 2000 cycles
Power of Lamp	4.5W (500lm)
Pole Height (Light Included)	Up to 31.49in
Rainy/Cloudy Days	Depends on solar radiation
Working Temperature	-4°F- 140°F
Operation Mode	10% dim, when motion sensor trigger 100%. (Depend on solar radiation)
Life span	50.000 Hours
CCT	3,000K – 6,000K
Solar Module	Monocrystalline solar panel
IP Rating	IP65
Body Material	Stainless Steel pole



# 2SPBL16 Architectural Solar LED Light



The 2SPBL16 solar bollard light is an architectural independent lighting solution ideally for various applications such as parks, pathways, bike lanes, remote areas, golf courses, beach resorts, marinas, residential areas and landscape lighting projects.

The architectural patented design in combination with a robust high LED lighting output in a high-grade construction makes it your ideal choice for all your self-contained lighting projects.

2SPBL16 works completely without wiring and gets its power from the sun, using a special energy storage system, which requires no replacement of batteries for several years.

Energy storage and usage is controlled by a unique built-in self-decisive software algorithm. Cloudy days or shaded areas, the intelligent energy saving 2SBL16 always provides perfect lighting conditions.



## Uses and Applications Guide

Residential areas	●
Parks	●
Boardwalks	●
Resorts	●
Marinas	●
Gardens	●
Landscaping	●
Walking paths	●
Bike paths	●
Golf courses	●

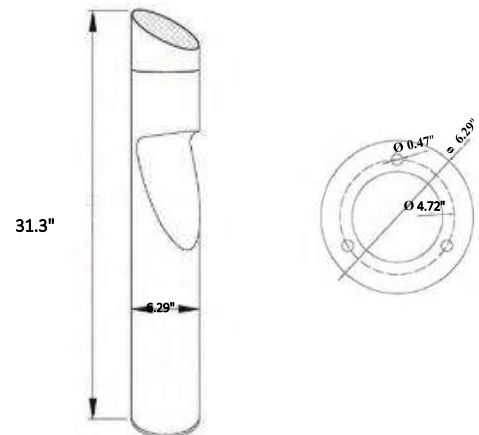
### ORDERING GUIDE

Example: 2SBPL16 – 30K- 0- BLU-31.3"

Series	LED Color	Dimming	Finish	Height
2SPBL16	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	30K 3000K 40K 4000K 50K 5000K 60K 6000K	0 – No Sensor 1 - Sensor	BLU-Blue	31.3"

## Technical Specifications

Solar Power	3.5W
Battery Capacity	3.2V/6Ah
Battery Type	LifePO4 Battery, more than 2000 cycles
Power of Lamp	2W (250lm)
Pole Height (Light Included)	Up to 39.3 in
Rainy/Cloudy Days	Depends on solar radiation
Working Temperature	-4°F- 140°F
Operation Mode	Depend on solar radiation
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Life span	50.000 Hours
CCT	3,000K – 6,000K
Solar Module	Monocrystalline solar panel
IP Rating	IP65
Body Material	Stainless Steel pole



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# 2SPBL17 Architectural Solar LED Light



The 2SPBL17 solar bollard light is an architectural independent lighting solution ideally for various applications such as parks, pathways, bike lanes, remote areas, golf courses, beach resorts, marinas, residential areas and landscape lighting projects.

The architectural patented design in combination with a robust high LED lighting output in a high-grade construction makes it your ideal choice for all your self-contained lighting projects.

2SPBL17 works completely without wiring and gets its power from the sun, using a special energy storage system, which requires no replacement of batteries for several years.

Energy storage and usage is controlled by a unique built-in self-decisive software algorithm. Cloudy days or shaded areas, the intelligent energy saving 2SPBL17 always provides perfect lighting conditions.

## Key Features

- Maintenance free.
- Minimal ongoing costs with no electricity bills
- IP65 Rating.
- Quick and easy installation
- Vandal resistant

## Uses and applications guide

Marinas	●
Gardens	●
Landscaping	●
Walking paths	●
Bike paths	●

## Technical Specifications

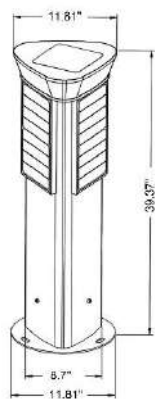
Solar Power	70W
Battery Capacity	150WH
Battery Type	LifePO4
Power of Lamp	20W (up to 2,000lm)
Distribution type	Type V
Pole Height	39.37"
Rainy/Cloudy Days	Depends on solar radiation
Operation Mode	Dusk to dawn. (Dim per to solar radiation)
Life span	100,000 Hours
CCT	2,700K-6,000K (other colors available)

Solar Module	Impact Monocrystalline solar panel
Working temperature	5°F - 158°F
IP Rating	IP65
Body Material	Anodized aluminum alloy 6063 Marine grade

## Ordering guide

Example: 2SPBL17- 30K - 5 - GR - 39.37"

2SPBL17	LED Color	Distribution type	Finish	Height
	30K 40K 50K 60K <small>*Other colors available.</small>	5 - Type V	GR - Grey <small>*Other colors upon request</small>	39.37"



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# 2SPBL18 Architectural Solar LED Light



The 2SPBL18 solar bollard light is an architectural independent lighting solution ideally for various applications such as parks, pathways, bike lanes, remote areas, golf courses, beach resorts, marinas, residential areas and landscape lighting projects.

The architectural patented design in combination with a robust high LED lighting output in a high-grade construction makes it your ideal choice for all your self-contained lighting projects.

2SPBL18 works completely without wiring and gets its power from the sun, using a special energy storage system, which requires no replacement of batteries for several years.

Energy storage and usage is controlled by a unique built-in self-decise software algorithm. Cloudy days or shaded areas, the intelligent energy saving 2SPBL18 always provides perfect lighting conditions.

## Key Features

- Maintenance free.
- Minimal ongoing costs with no electricity bills
- IP65 Rating.
- IK10 resistance
- Quick and easy installation
- Vandal resistant

## Uses and applications guide

Marinas	●
Gardens	●
Landscaping	●
Walking paths	●
Bike paths	●

## Technical Specifications

Solar Power	6.2W
Battery Capacity	12AH
Battery Type	LifePO4
Power of Lamp	1.5w (280lm)
Distribution type	120 degree
Lighting Technology	NICHIA/OSRAM LED
Pole Height	35.43"
Rainy/Cloudy Days	Depends on solar radiation
Operation Mode	Dimming option
CCT	3,000K-6,000K
Solar Module	Impact Monocrystalline solar panel
Working temperature	5°F - 158°F
IP Rating	IP65
Body Material	Aluminum die casting +PC + tempered Glass

## Ordering guide

Example: 2SPBL18-30K-BLK-35.43"-IK-BT-DS

2SPBL18  -  -  -

LED Color: 30K\*\*\*, 40K, 60K  
\*Other colors Available.

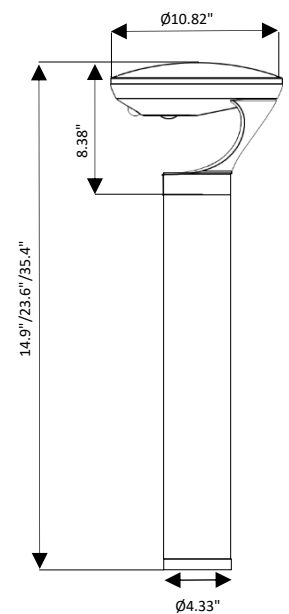
Finish: GR- Grey  
\*Other colors up on request

Height: 35.4"

Installation option: BT-Bolts

Option: IK-IK10  
Ds-3,000K or lower must be selected to meet IDA Dark Sky requirements

\*\*\* 3,000K or lower must be selected to meet IDA Dark Sky requirements



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# 2SPBL19 Architectural Solar LED Light



The 2SPBL19 solar bollard light is an architectural independent lighting solution ideally for various applications such as parks, pathways, bike lanes, remote areas, golf courses, beach resorts, marinas, residential areas and landscape lighting projects.

The architectural patented design in combination with a robust high LED lighting output in a high-grade construction makes it your ideal choice for all your self-contained lighting projects.

2SPBL19 works completely without wiring and gets its power from the sun, using a special energy storage system, which requires no replacement of batteries for several years.

Energy storage and usage is controlled by a unique built-in self-decise software algorithm. Cloudy days or shaded areas, the intelligent energy saving 2SBL19 always provides perfect lighting conditions.

## Uses and Applications Guide

Residential areas	●
Parks	●
Boardwalks	●
Resorts	●
Marinas	●
Gardens	●
Landscaping	●
Walking paths	●
Bike paths	●
Golf courses	●

## Technical Specifications

Solar Power	40W
Battery Capacity	12VDC/18AH
Battery Type	LifePO4 Battery, more than 2000 cycles
Power of Lamp	Up to 6W (528lm)
Pole Height (Light Included)	39in
Rainy/Cloudy Days	Depends on solar radiation
Motion Sensor	Integrated
Distribution Type	II, III, IV, V
Life span	50.000 Hours
CCT	3,000K-6,000K
Solar Module	Monocrystalline solar panel
IP Rating	IP65
Body Material	- Die-cast aluminum housing - Extruded aluminum column

## ORDERING GUIDE

Example: 2SBPL19 – 40W-2W-30K- 2-BLK-AB-39"

Series	Solar panel	LED	LED Color	Distribution Type	Finish	Install options	Height
2SPBL19	40W	2W 4W 6W	3,000K 4,000K 5,000K 6,000K	2- Type II 3 - Type III 4 - Type VI 5 - Type V	BLK- Black *Other colors are available	AB-Anchor bolts	39" *Customized up on request



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# 2SPBL20 Architectural Solar LED Light



The 2SPBL20 is solar wrap panel bollard light is an architectural independent lighting solution ideally for various applications such as parks, pathways, bike lanes, remote areas, golf courses, beach resorts, marinas, residential areas and landscape lighting projects.

The architectural patented design in combination with a robust high LED lighting output in a high-grade construction makes it your ideal choice for all your self-contained lighting projects.

2SPBL20 works completely without wiring and gets its power from the sun, using a special energy storage system, which requires no replacement of batteries for several years.

Energy storage and usage is controlled by a unique built-in self-decise software algorithm. Cloudy days or shaded areas, the intelligent energy saving 2SBL20 always provides perfect lighting conditions.



## Uses and Applications Guide

Residential areas	●
Parks	●
Boardwalks	●
Resorts	●
Marinas	●
Gardens	●
Landscaping	●
Walking paths	●
Bike paths	●
Golf courses	●

## Technical Specifications

Solar panel wattage	30W
Battery Capacity	40AH/3.2V
Battery Type	LifePO4 Battery, more than 2000 cycles
LED power	5W (Up to 700lm)
Pole Height (Light Included)	31 in
Rainy/Cloudy Days	Depends on solar radiation
Working Temperature	-4°F- 140°F
Operation Mode	Depend on solar radiation
Life span	50.000 Hours
CCT	3,000K – 6,000K
Solar Module	CIGS Amorphous 360 degree wrap flexible solar panel
IP Rating	IP65
Body Material	Stainless steel/ Aluminum pole * Depend on quantity

Solar panel wrap on a pole.



## ORDERING GUIDE

Example: 2SBPL20 – 30K- 0- BLK-31"-AB

Series	LED Color	Finish	Height	Options
2SPBL20	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	30K 3000K 40K 4000K 50K 5000K 60K 6000K	BLK- Black *Other colors are available	31"	AB- Anchor bolts

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LightMark S2X is the revolutionary surface-level installed model of the LightMark series.

LightMark S2X is built for uni-directional or bi-directional lane delineation and is installed at surface-level as opposed to conventional above surface pavement markers. The hologram design of the unit's illumination surface ensures that the light projects at an elevated angle which is visible at long distances (3,300ft. / 1000m) as if it was installed above surface. Combined with passive retroreflectors the LightMark S2X provides the ultimate solution for night time guidance and demarkation all year round.



## Technical Specifications

### Technology and Operation

Solar panel type	Mono-Crystalline
Illumination technology	3 / 6 Ultra-bright Chip LED
Energy storage	Ultra-Capacitor
Charging time	3 Hours (sunny) to 8 hours (cloudy or rainy)
Temperature range	-40F to +176F / -40C to +80C
Water resistance	IP 68
On/Off level	150 lux / 370 lux
Operation per charge cycle	Up to 16 hours
Warranty	1 year

### Illumination Properties

Available flash patterns	Steady, Slow Flashing, Fast Flashing
Available colors	White, Blue, Red, Green, Amber
Light visibility distance	Up to 3,300 feet / 1km (varies according to weather conditions)

### Material and Design

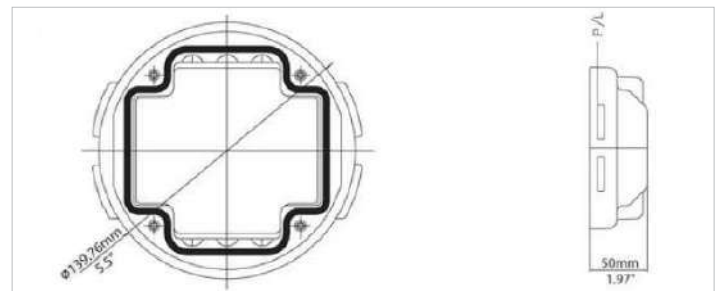
Top cover	UV-treated Polycarbonate
Body	Aluminum
Compressive strength	1,000kg/cm
Dimensions - Body	Φ5"11/16" x H 3" / Φ143mm x H 75mm
Weight	2.65lbs / 1.2kg

## Advantages of surface-level devices:

- More wear and tear resistant and lasts longer than above ground devices
- Designed to withstand the weight load of heavy trucks and trailers
- Snow-plow resistant
- Safer for light vehicles such as motorcycles which are very vulnerable to uneven road surfaces (especially at high speeds)
- Vandal resistant

## Uses and Applications Guide

Lane delineation	●
Shoulder marking	●
Lane dividers	—
Safety guide rails	—
Curves and turns	●
Crosswalks	●
Speed humps	●
Traffic circles / islands	◐
General traffic calming	●
Security barricades	—
Marking of underground cables	●
Fire hydrant marking	—



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LightMark S20 is a low surface profile model of the LightMark series, designed for uni-directional or bi-directional lane delineation. LightMark S20's special dome shape allows it to be well integrated with the road surface resulting in minimal wear and tear and a high level of safety.

LightMark S20 is extremely durable and rigid and is available in a variety of LED colors and lighting configurations. The brushed-metal or smooth chrome finishes enhance design possibilities for any installation environment.



## Technical Specifications

### Technology and Operation

Solar panel type	Mono-Crystalline
Illumination technology	1 / 2 / 3 / 4 Ultra-bright Chip L.E.D.
Energy storage	Ultra-Capacitor
Charging time	3 Hours (sunny) to 8 hours (cloudy or rainy)
Temperature range	-13F to +185F / -25C to +85C
Water resistance	IP 68
On/Off level	150 lux / 370 lux
Operation per charge cycle	Up to 16 hours
Warranty	2 years

### Illumination Properties

Available flash patterns	Steady, Flashing
Available colors	White, Blue, Red, Green, Amber
Light visibility distance	Up to 3,300 feet / 1km (varies according to weather conditions)

### Material and Design

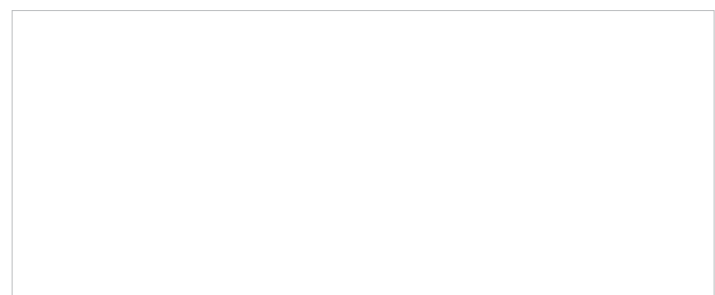
Top cover	UV-treated Polycarbonate
Body	Aluminum
Compressive strength	1,000kg/cm
Dimensions - Body	Φ5"11/16" x H 3" / Φ143mm x H 75mm Pit depth 3" / 75mm Above surface 3/8" / 10mm (center of dome)
Weight	2.65lbs / 1.2kg

## Advantages of surface-level devices:

- More wear and tear resistant and lasts longer than above ground devices
- Designed to withstand the weight load of heavy trucks and trailers
- Snow-plow resistant
- Safer for light vehicles such as motorcycles which are very vulnerable to uneven road surfaces (especially at high speeds)
- Vandal resistant

## Uses and Applications Guide

Lane delineation	●
Shoulder marking	●
Lane dividers	—
Safety guide rails	—
Curves and turns	●
Crosswalks	●
Speed humps	●
Traffic circles / islands	●
General traffic calming	●
Security barricades	—
Marking of underground cables	●
Fire hydrant marking	—



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LightMark M2 is uniquely designed for the marking of any structure in both horizontal and vertical orientation. LightMark M2 is available in a variety of LED colors, steady or flashing configurations, an optional passive reflective surface.



### Technical Specifications

#### Technology and Operation

Solar panel type	Mono-Crystalline
Illumination technology	3 / 6 Ultra-bright Chip LED
Energy storage	Ultra-Capacitor
Charging time	3 Hours (sunny) to 8 hours (cloudy or rainy)
Temperature range	-40F to +176F / -40C to +80C
Water resistance	IP 68
On/Off level	150 lux / 370 lux
Operation per charge cycle	Up to 16 hours
Warranty	1 year

#### Illumination Properties

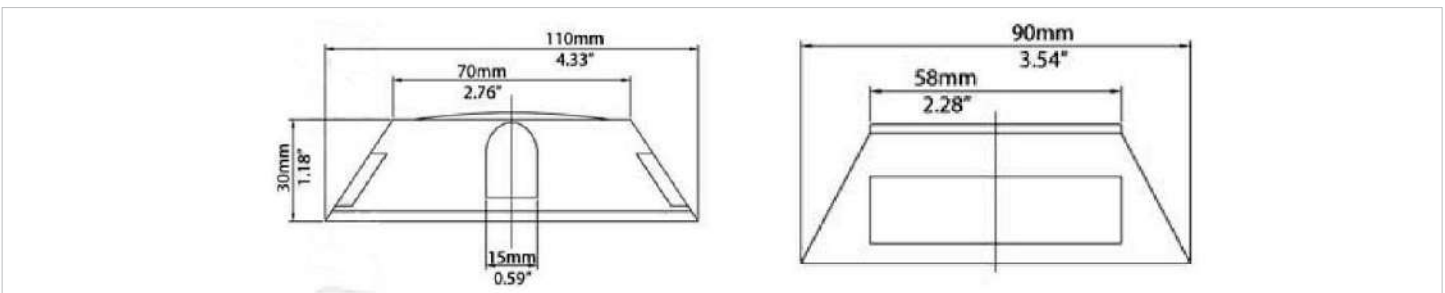
Available flash patterns	Steady, Slow Flashing, Fast Flashing
Available colors	White, Blue, Red, Green, Amber
Light visibility distance	Up to 3,300 feet / 1km (varies according to weather conditions)

#### Material and Design

TLens	A.B.S.
Body	Aluminum
Dimensions	L 4.33" x W 3.54" x H 1.18" / L 110mm x W 90mm H 30mm
Weight	0.8lbs / 375g

### Uses and Applications Guide

Lane delimitation	—
Shoulder marking	—
Lane dividers	●
Safety guide rails	●
Curves and turns	—
Crosswalks	—
Speed humps	—
Traffic circles / islands	●
General traffic calming	◐
Security barricades	●
Marking of underground cables	—
Fire hydrant marking	●



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LightMark T1 is a single-direction demarkation, on-surface active pavement marker of the LightMark series that combines electronic LED illumination passive retro-reflective lens for maximum visibility.

LightMark T1 is available in a variety of lighting configurations and is suitable for a variety of marking applications.



## Technical Specifications

### Technology and Operation

Solar panel type	Mono-Crystalline
Illumination technology	2 LED
Energy storage	Ultra-Capacitor
Charging time	3 Hours (sunny) to 8 hours (cloudy or rainy)
Temperature range	-40F to +176F / -40C to +80C
On/Off level	50 lux
Operation per charge cycle	Up to 14 hours
Warranty	1 year

### Illumination Properties

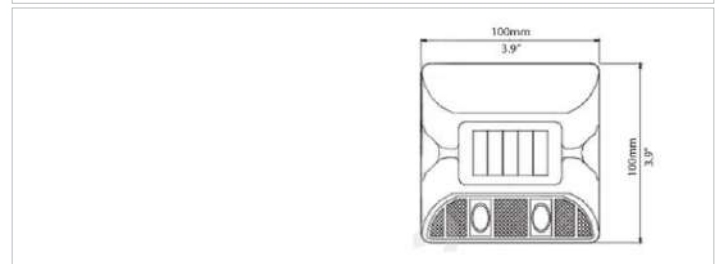
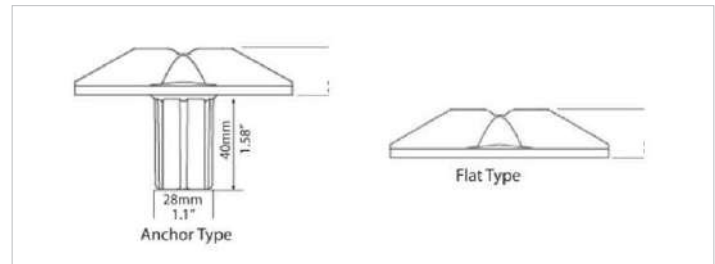
Available flash patterns	Steady, Flashing
Available colors	White, Blue, Red, Green, Amber
Luminance level	5,000mcd per side
Light visibility distance	Up to 3,300 feet / 1km (varies according to weather conditions)

### Material and Design

Top cover	Polycarbonate
Body	Aluminum
Reflector	True Cube-Corner type reflex (U.V stabilized Lexan #143)
Compressive strength	1,000kg/cm
Dimensions - Body	L 3.9" W 3.9" H 0.87" / L 100mm W 100mm H 20mm
Dimensions - Anchor	1.58" x $\Phi$ 1.1" / 40mm x $\Phi$ 28mm
Weight	0.66lbs / 320g

## Uses and Applications Guide

Lane delimitation	—
Shoulder marking	●
Lane dividers	—
Safety guide rails	—
Curves and turns	—
Crosswalks	—
Speed humps	—
Traffic circles / islands	●
General traffic calming	●
Security barricades	—
Marking of underground cables	●
Fire hydrant marking	—



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LightMark T2 is a bi-directional or single-direction on-surface active pavement marker of the LightMark series that combines both electric LED illumination and passive retro-reflective lenses for maximum visibility. LightMark T2 is available in a variety of lighting configurations and is suitable for most marking applications.



### Technical Specifications

#### Technology and Operation

Solar panel type	Mono-Crystalline
Illumination technology	2 / 4 LED
Energy storage	Ultra-Capacitor
Charging time	3 Hours (sunny) to 8 hours (cloudy or rainy)
Temperature range	-40F to +176F / -40C to +80C
On/Off level	50 lux
Operation per charge cycle	Up to 14 hours
Warranty	1 year

#### Illumination Properties

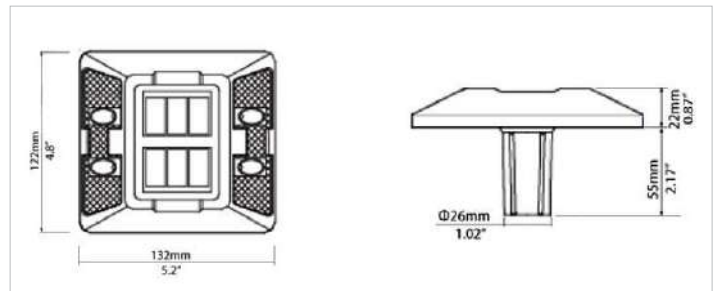
Available flash patterns	Steady, Flashing
Available colors	White, Blue, Red, Green, Amber
Luminance level	5,000mcd per side
Light visibility distance	Up to 3,300 feet / 1km (varies according to weather conditions)

#### Material and Design

Top cover	Polycarbonate
Body	Aluminum
Reflector	True Cube-Corner type reflex (U.V stabilized Lexan #143)
Compressive strength	1,000kg/cm
Dimensions - Body	L 5.2" W 4.8" H 0.87" / L 132mm W 122mm H 22mm
Dimensions - Anchor	2.17" x $\Phi$ 1.02" / 55mm x $\Phi$ 26mm
Weight	1.1lbs / 500g

### Uses and Applications Guide

Lane delimitation	—
Shoulder marking	●
Lane dividers	—
Safety guide rails	—
Curves and turns	—
Crosswalks	—
Speed humps	—
Traffic circles / islands	●
General traffic calming	●
Security barricades	—
Marking of underground cables	●
Fire hydrant marking	—



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SPI1 road stud is ideal for countries with low sun exposure due to its high performance photovoltaic solar module. It has robust construction, making it suitable for harsh conditions and now plow resistant. This road stud has low power RF with 868MHz network communication. The SPI1 evolution technology applied to SPI1 increase the performance of solar power studs with energy storage by battery or capacitor. The main advantage of i-stud is the use of microcontroller technology inside each stud, which allows several beneficial features and control options even after installation.



### Technical Specifications

Electrical Features	
Power Supply	Mono-Crystalline
Working Temperature	-13F - 185F
Optical Features	
LED Quantity	2 LEDs(Unidirectional) 4 Led's (Bidirectional)
LED Type	.19in
LED colors	White, Warm White, Red, Amber, Green, Blue
Viewing Angle	15°
Mechanical Features	
Material	Stainless Steel, Aluminum and Polycarbonate
Protection Index	IP68, IK10
Dimensions	Ø190 x 2.14in

### SPI1 Evolution Features

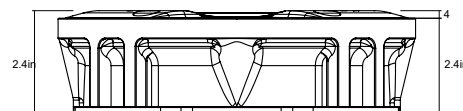
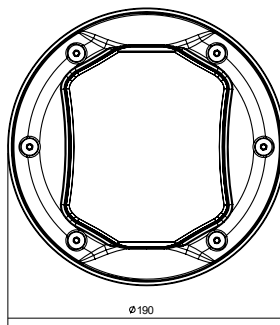
- **Wake Up/Sleep Function**  
Allows the stud to stay in "sleep" mode before the application starts
- **Define the working period**  
Set up the number of hour that the product should work=Operation mode Flash/always on
- **Operation Mode Flash/Always ON**  
Switch from "flash to always on" and vice versa
- **Flash Rate**  
Adaptation of the flash rate after installation.
- **Night Level Detection**  
Adjustment of the lighting level detection
- **Operation Mode Uni or Bi-directional**  
Modify the light direction to Uni or Bi-directional.
- **Low temperature**  
Detects the possibility of ice forming on roads and change the LEDs color to warn drivers about the dangerous weather conditions.
- **Log File**  
If a problem with the stud is detected the unit is able to make an internal log to discover what are the causes of the problem.

### Key Features

- Ideal for countries with low sun exposure
- Snow plow resistant
- Low power RF with 868 MHz network communication Robust construction, suitable for harsh conditions
- SLEEP mode to prevent discharge during storage / transport
- Constant brightness during all functioning period
- Protection against deep discharge of the batteries
- High performance photovoltaic solar module
- Energy storage in super capacitors or batteries
- Internal prismatic system
- Up to 3000ft visibility distance due to high intensity led's
- Many led's color options for all kind of applications
- Easy maintenance

### Uses and Applications Guide

Lane delimitation	●
Shoulder marking	●
Lane dividers	—
Safety guide rails	—
Curves and turns	●
Crosswalks	●
Speed humps	●
Traffic circles / islands	●
General traffic calming	●
Security barricades	—
Marking of underground cables	●
Fire hydrant marking	—



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The LineLight R1 is a high-intensity, heavy duty wired marker for uni-directional marking.



## Technical Specifications

### Technology and Operation

Energy source	- Solar modules - External DC feed - Hybrid - Solar & External DC backup feed
Energy consumption	12V-24V DC, 80mA
Illumination technology	12 x Ultra-bright $\Phi$ 3mm LEDs.
Operating temperature range	-22F to +185F / -30C to +85C
Warranty	2 years

### Illumination Properties

Available flash patterns	Controllable - Flashing, Steady or Sequential				
Available colors	White, Blue, Red, Green, Amber				
Lighting intensity (mcd)	Amber	Red	White	Blue	Green
	4500	3500	6400	3200	11000
Light visibility distance	Up to 3,280 feet / 1km (varies according to weather conditions)				

### Material and Design

LED protector	UV-treated Polycarbonate
Case	Aluminum & Anti-corrosion stainless steel
Compressive strength	1,000kg/cm
Dimensions - Body	$\Phi$ 6.29" x 3.93" / $\Phi$ 160mm x 100mm
Raising above grade	0.275" / 7mm
Weight	6.61lbs / 3kg
Water protection	IP68

### Incredibly durable and long lasting:

- Stainless steel body
- Military-grade high mechanical resistance design - resistant to tanks, trucks, snow plows and other heavy machinery
- High compression strength (1000kg / cm)
- Absolute water resistance (IP68)

### Flexible and Customizable:

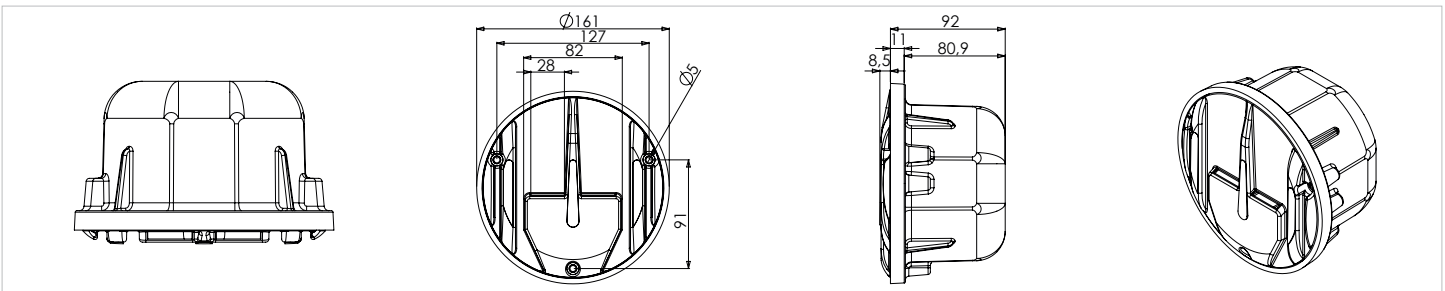
- With a variety of LED colors the R1 can be configured to change colors as needed - an ideal feature for applications such as parking lot entrances, lane delineation and toll plaza lane signaling.
- Adjustable luminance levels
- Programmable Flashing, sequential flashing or steady lighting and timer configurations
- Optional PC, RF and GSM Remote control

### Easy maintenance:

- A fixed base and a removable main unit body allows for easy maintenance if needed

### Uses and Applications:

- Tunnels, parking lots, indoor spaces, walkways
- In-Ground signaling applications (parking lot entrances, toll plaza lane control etc.)
- Areas with inclement weather conditions (coastal roads, foggy areas, wet and rainy regions, etc.)
- Crosswalks, bike and pedestrian lanes
- Ship and water craft decks
- Entertainment areas, parking lots, hotel entrances, gas stations and many more!



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The LineLight R2 is a high-intensity, heavy duty wired marker for bi-directional marking.



### Technical Specifications

#### Technology and Operation

Energy source	- Solar modules - External DC feed - Hybrid - Solar & External DC backup feed
Energy consumption	12V-24V DC, 160mA
Illumination technology	24 x Ultra-bright $\Phi$ 3mm LEDs.
Operating temperature range	-22F to +185F / -30C to +85C
Warranty	2 years

#### Illumination Properties

Available flash patterns	Controllable - Flashing, Steady or Sequential				
Available colors	White, Blue, Red, Green, Amber				
Lighting intensity (mcd)	Amber	Red	White	Blue	Green
	4500	3500	6400	3200	11000
Light visibility distance	Up to 3,280 feet / 1km (varies according to weather conditions)				

#### Material and Design

LED protector	UV-treated Polycarbonate
Case	Aluminum & Anti-corrosion stainless steel
Compressive strength	1,000kg/cm
Dimensions - Body	$\Phi$ 6.29" x 3.93" / $\Phi$ 160mm x 100mm
Raising above grade	0.275" / 7mm
Weight	6.61lbs / 3kg
Water protection	IP68

### Incredibly durable and long lasting:

- Stainless steel body
- Military-grade high mechanical resistance design - resistant to tanks, trucks, snow plows and other heavy machinery
- High compression strength (1000kg / cm)
- Absolute water resistance (IP68)

### Flexible and Customizable:

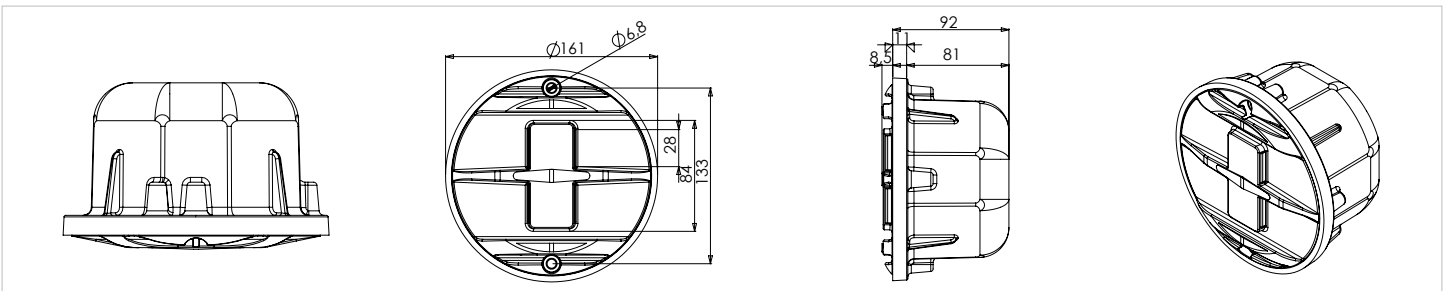
- With a variety of LED colors the R1 can be configured to change colors as needed - an ideal feature for applications such as parking lot entrances, lane delineation and toll plaza lane signaling.
- Adjustable luminance levels
- Programmable Flashing, sequential flashing or steady lighting and timer configurations
- Optional PC, RF and GSM Remote control

### Easy maintenance:

- A fixed base and a removable main unit body allows for easy maintenance if needed

### Uses and Applications:

- Tunnels, parking lots, indoor spaces, walkways
- In-Ground signaling applications (parking lot entrances, toll plaza lane control etc.)
- Areas with inclement weather conditions (coastal roads, foggy areas, wet and rainy regions, etc.)
- Crosswalks, bike and pedestrian lanes
- Ship and water craft decks
- Entertainment areas, parking lots, hotel entrances, gas stations and many more!



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The LineLight R8 is a high-intensity, heavy duty wired marker for 360 Degree marking.



### Technical Specifications

#### Technology and Operation

Energy source	<ul style="list-style-type: none"> <li>- Solar modules</li> <li>- External DC feed</li> <li>- Hybrid - Solar &amp; External DC backup feed</li> </ul>				
Energy consumption	12V-24V DC, 160mA				
Illumination technology	24 x Ultra-bright 5/3mm LEDs.				
Operating temperature range	-22F to +185F / -30C to +85C				
Warranty	2 years				

#### Illumination Properties

Available flash patterns	Controllable - Flashing, Steady or Sequential				
Available colors	White, Blue, Red, Green, Amber				
Lighting intensity (mcd)	Amber	Red	White	Blue	Green
	4500	3500	6400	3200	11000
Light visibility distance	Up to 3,280 feet / 1km (varies according to weather conditions)				

#### Material and Design

LED protector	UV-treated Polycarbonate				
Case	Aluminum & Anti-corrosion stainless steel				
Compressive strength	1,000kg/cm				
Dimensions - Body	Φ 7.48" x 4.13" / Φ190mm x 105.2mm				
Raising above grade	0.51" / 13.2mm				
Weight	6.61 lbs / 3kg				
Water protection	IP68				

#### Incredibly durable and long lasting:

- Stainless steel body
- Military-grade high mechanical resistance design - resistant to tanks, trucks, snow plows and other heavy machinery
- High compression strength (1000kg / cm)
- Absolute water resistance (IP68)

#### Flexible and Customizable:

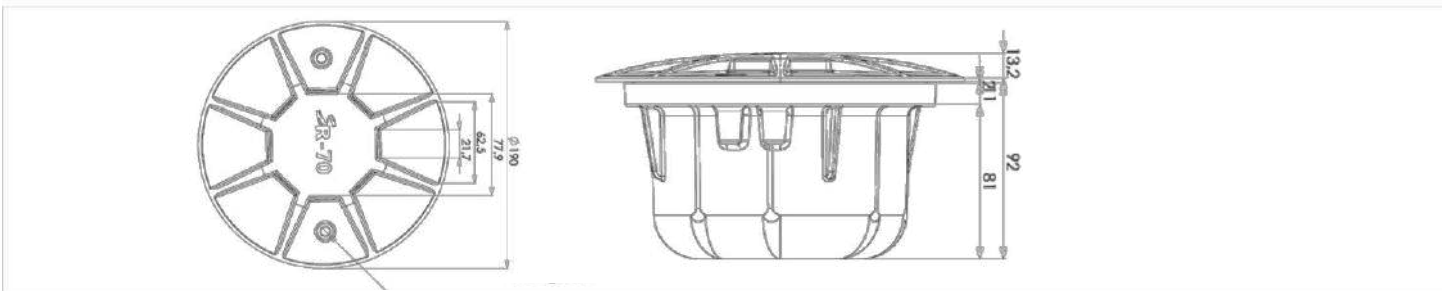
- With a variety of LED colors the R1 can be configured to change colors as needed - an ideal feature for applications such as parking lot entrances, lane delineation and toll plaza lane signaling.
- Adjustable luminance levels
- Programmable Flashing, sequential flashing or steady lighting and timer configurations
- Optional PC, RF and GSM Remote control

#### Easy maintenance:

- A fixed base and a removable main unit body allows for easy maintenance if needed

#### Uses and Applications:

- Tunnels, parking lots, indoor spaces, walkways
- In-Ground signaling applications (parking lot entrances, toll plaza lane control etc.)
- Areas with inclement weather conditions (coastal roads, foggy areas, wet and rainy regions, etc.)
- Crosswalks, bike and pedestrian lanes
- Ship and water craft decks
- Entertainment areas, parking lots, hotel entrances, gas stations and many more.



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The LineLight C2 is an elegant, high-quality wired marker designed for uni/bi-directional marking while contributing to a project's aesthetics.



### Technical Specifications

Technology and Operation	
Energy source	- Solar modules - External DC feed - Hybrid - Solar & External DC backup feed
Energy consumption	12V/24V DC, 20mA (Uni.) / 40mA (Bi.)
Illumination technology	Ultra Bright LEDs. $\Phi$ 5mm LED x 2 / 4
Operating temperature range	-22F to +185F / -30C to +85C
Warranty	2 years
Illumination Properties	
Available flash patterns	Controllable - Flashing, Steady or Sequential
Available colors	White, Blue, Red, Green, Amber
Light visibility distance	Up to 3,280 feet / 1km (varies according to weather conditions)
Material and Design	
Top Cover	UV-treated Polycarbonate
Body	Aluminum & steel
Compressive strength	1,000kg/cm
Dimensions - Body	$\Phi$ 5"11/16" x H 3" / $\Phi$ 143mm x H 75mm
Raising above grade	0.275" / 7mm
Weight	2.65lbs / 1.2kg

### Flexible and Customizable:

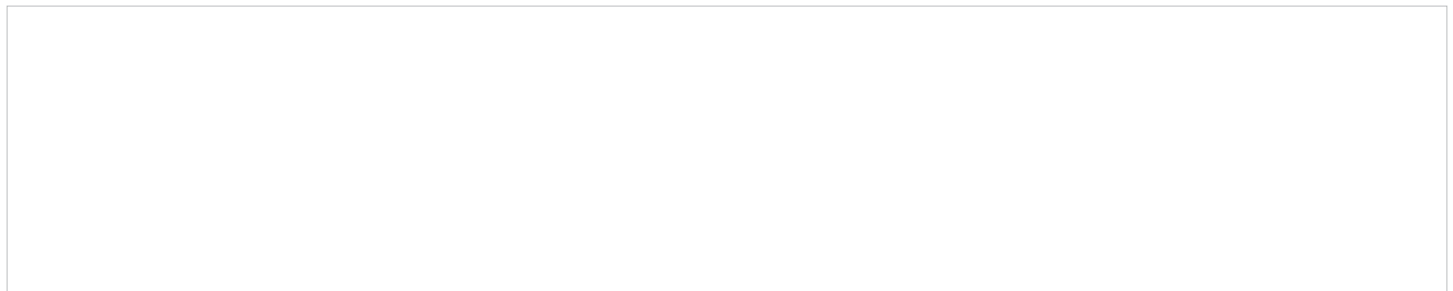
- With a variety of LED colors the R1 can be configured to change colors as needed - an ideal feature for applications such as parking lot entrances, lane delineation and toll plaza lane signaling.
- Adjustable luminance levels
- Programmable Flashing, sequential flashing or steady lighting and timer configurations
- Optional PC, RF and GSM Remote control

### Easy maintenance:

- A fixed base and a removable main unit body allows for easy maintenance if needed

### Uses and Applications:

- Tunnels, parking lots, indoor spaces, walkways
- In-Ground signaling applications (parking lot entrances, toll plaza lane control etc.)
- Areas with inclement weather conditions (coastal roads, foggy areas, wet and rainy regions, etc.)
- Crosswalks, bike and pedestrian lanes
- Ship and water craft decks
- Entertainment areas, parking lots, hotel entrances, gas stations and many more!



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SolarPath

# SP-R8RGB



TRAFFIC SOLUTIONS

**SP-R8RGB**

HEAVY DUTY 360 DEGREE MARKER

 SolarPath

# SP-R8RGB

## HEAVY DUTY 360 DEGREE MARKER



### uses & applications

- Tunnels, parking lots, indoor spaces, walkways
- In-Ground signaling applications (parking lot entrances, toll plaza lane control etc.)
- Areas with inclement weather conditions (coastal roads, foggy areas, wet and rainy regions, etc.)
- Crosswalks, bike and pedestrian lanes
- Ship and water craft decks
- Entertainment areas, parking lots, hotel entrances, gas stations and many more.

*With a variety of LED colors the SP-R8RGB can be configured to change colors as needed - an ideal feature for applications such as parking lot entrances, lane delineation and toll plaza lane signaling. Adjustable luminance levels. Programmable Flashing, sequential flashing or steady lighting and timer configurations*



### technical features

#### Energy source

Solar modules  
External DC feed  
Solar & External DC backup feed

#### Energy consumption

12V-24V DC, 160mA

#### Illumination technology

24 x Ultra-bright 5/3mm LEDs.

#### Operating temperature range

-22F to +185F / -30C to +85C

### material & design

#### LED protector

UV-treated Polycarbonate

#### Case

Aluminum & Stainless steel

#### Compressive strength

1,000kg/cm

#### Dimensions - Body

Φ 7.48" x 4.13"

#### Raising above grade

0.51"

#### Weight

6.61lbs / 3kg

#### Water protection

IP68

### electrical & optical

ELECTRICAL CHARACTERISTICS					
Power	12Vdc or 24Vdc				
Colour LED	Amber	Red	White	Blue	Green
Current Consumption	160mA				
OPTICAL CHARACTERISTICS					
Number of LED's	24 Led's 5mm				
Type LED	CREE 5mm		NICHIA 5mm/3mm		
Colour LED	Amber	Red	White	Blue	Green
Viewing angle	30°	30°	45°	30°	45°
Brightness Intensity	Min. 592mcd Max. 6290mcd	Min. 4160mcd Max. 5240mcd	Min. 5000mcd Max. 6560mcd	Min. 4160mcd Max. 5020mcd	Min. 4190mcd Max. 6020mcd

### easy maintenance

A fixed base and a removable main unit body allows for easy maintenance if needed

SolarPath

# SP-T24



TRAFFIC SOLUTIONS

**SP-T24**

TUNNEL LIGHTING SYSTEM



# SP-T24

## TUNNEL LIGHTING SYSTEM



High Luminosity  
Visible Day or night

*Projected for tunnels illumination. Robust construction.  
High luminosity day and night. Easy replacement.  
Low Maintenance. Water proof*



### technical features

#### Modes of Operation :

Always On - Intermittent - Sequential

**Dimensions :** L=3.14in x W=3.81in x D=1.10in

**Protection :** IP68

**Material :** Aluminum

**Fixation Points:** 2

### electrical characteristics

**Power :** 24v

**LED Colors :** Amber, Red, White, Blue, Green

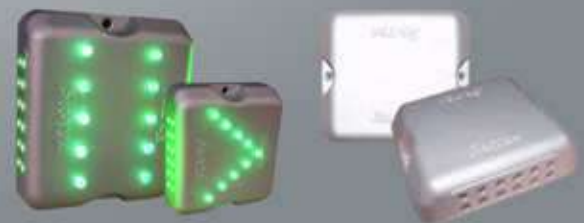
#### Current Consumption :

40mA (Unidirectional)

80mA (Bidirectional)

### optical characteristics

Number of LED's	12 Led's (Unidirectional) 24 Led's (Bidirectional) 10 Led's (Lines on top) 9 Led's (Arrow on top)				
Type LED	CREE 5mm		NICHIA 5mm		
Colour LED	Amber	Red	White	Blue	Green
Viewing angle	30°	30°	45°	30°	45°
Brightness Intensity	Min.:5860mcd Max.:8200mcd	Min.:4180mcd Max.:5860mcd	Min.:6000mcd Max.:8500mcd	Min.:4190mcd Max.:6020mcd	Min.:4190mcd Max.:6020mcd





# LIGHTMARK BOX

The Solarpath box has been engineered and designed to highlight crosswalks and pathways. The product is both IK10 and IP67, which means the fixture is made by stainless steel and polycarbonate. The LED's are 120 Degrees and has lights spread around the outside of the box. It compares to other in ground fixtures. The Lightmark Box has a longer life than all others fixtures due to high quality material and water proof protection. Due to the components, the fixture can be driven over and can be installed in crosswalks.

The Lightmark Box can be powered via solar engine or connected to local power, it depends on the location of where it will be installed.



## Technical Specifications

### Technology and Operation

Energy source	- Solar modules - External DC feed
Energy consumption	12V DC, 280mA
Power	3.3W
Illumination technology	27 x Ultra-bright $\phi$ 5mm LEDs.
Operating temperature range	-13F to +185F / -25C to +85C

### Illumination Properties

Available flash patterns	Steady Light (Other modes of operation like flashing or sequential are available with external controller)
Available colors	White/ Warm white, Blue, Red, Green, Amber
Viewing Angle	120° Opening angle matrix

### Material and Design

Cover	Stainless steel alloy with polycarbonate
Base	Aluminum
Dimensions - Body	19.68" x 9.44" x 1.69" / 500mm x 240mm x 43mm
Raising above grade	No elevation above the surface
Weight	33.06lbs / 15kg
Protection Index	IP67, IK10



## Key Features:

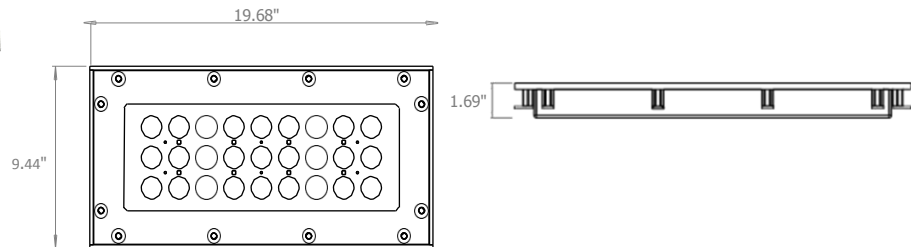
- Ideal for installation in crosswalks.
- Low profile to not disturb circulation.
- Large lighted area for visual impact.
- Suitable for regular traffic zones of vehicles.
- Robust construction with high strength.
- Wired system that can be powered by electric or solar energy.
- Easy maintenance.

## Incredibly durable and long lasting:

- Stainless steel body
- IK10 Resistance
- Absolute water resistance (IP67)
- Certificate- CE, ROHS.

## Uses and Applications:

- Tunnels, parking lots, indoor spaces, walkways
- In-Ground signaling applications (parking lot entrances, toll plaza lane control etc.)
- Areas with inclement weather conditions (coastal roads, foggy areas, wet and rainy regions, etc.)
- Crosswalks, bike and pedestrian lanes
- Ship and water craft decks
- Entertainment areas, parking lots, hotel entrances, gas stations and many more!



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The Solarpath Lightmark Cross Line has been engineered and designed to highlight crosswalks and pathways. The product is both IK10 and IP67, which means the fixture is made by stainless steel and polycarbonate. The LED's are 120 Degrees and has lights spread around the outside of the box. It compares to other in ground fixtures. The Lightmark Cross Line has a longer life than all others fixtures due to high quality material and water proof protection. Due to the components, the fixture can be drive over and can be installed in crosswalks. The Lightmark Cross Line can be powered via solar engine or connected to local power, it depends on the location of where it will be installed.

## Technical Specifications

### Technology and Operation

Energy source	- Solar modules - External DC feed
Power Supply	12V DC, 240mA
Power Consumption	2.88W
Power Cable	+VDC, GND
Illumination technology	24 x Ultra-bright $\phi$ 5mm LEDs.

### Illumination Properties

Available flash patterns	Steady Light (Other modes of operation like flashing or sequential are available with external controller)
Available colors	White/ Warm white, Blue, Red, Green, Amber, Blue
Viewing Angle	120° Opening angle matrix

### Material and Design

Cover	Stainless steel league with polycarbonate
Base	Aluminum
Dimensions - Body	39.37" x 3.93" x 1.88" / 1000mm x 100mm x 48mm
Raising above grade	No elevation above the surface
Working temperature	-13°F~185°F
Protection Index	IP67, IK10

## Key Features

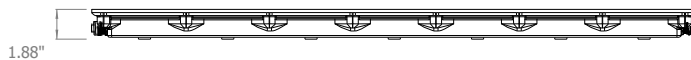
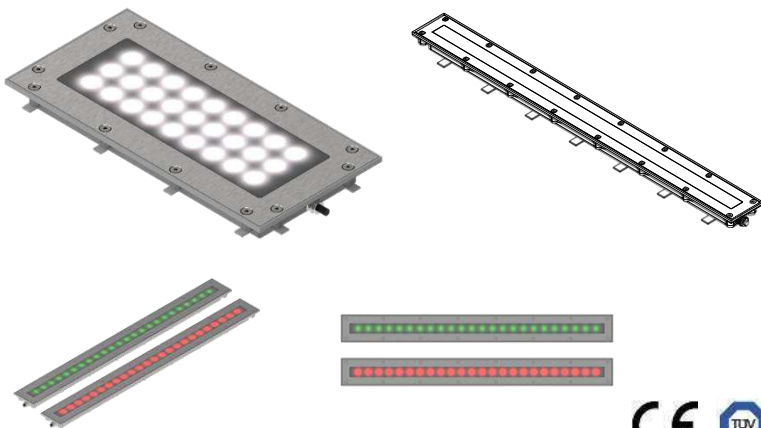
- Ideal for installation in crosswalks.
- Low profile to not disturb circulation.
- Large lighted area for visual impact.
- Suitable for regular traffic zones of vehicles.
- Robust construction with high strength.
- Wired system that can be powered by electric or solar energy.
- Easy maintenance.

### Incredibly durable and long lasting:

- Stainless steel body
- IK10 Resistance
- Absolute water resistance (IP67)
- Certificate- CE, ROHS.

### Uses and Applications:

- In-Ground signaling applications (parking lot entrances, toll plazalane control etc.)
- Areas with inclement weather conditions (coastal roads, foggy areas, wet and rainy regions, etc.)
- Crosswalks, bike and pedestrian lanes
- Ship and water craft decks
- Entertainment areas, parking lots, hotel entrances, gas stations and many more!



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LED arrangement

SolarPath SolaSigns are the most advanced solar powered road signs in the market. They feature the most durable form factor, and ultra-bright light. Visible at great distances both day and night.

The SolarPath SolaSign form the actual pattern of the sign with high brightness LEDs, ensuring that the sign can be READ from a far and not just noticed like other manufacturer's models which only mark the corners of the sign box with LEDs.

SolaSigns are available in a variety of MUTCD compliant designs and are customizable to local standards.

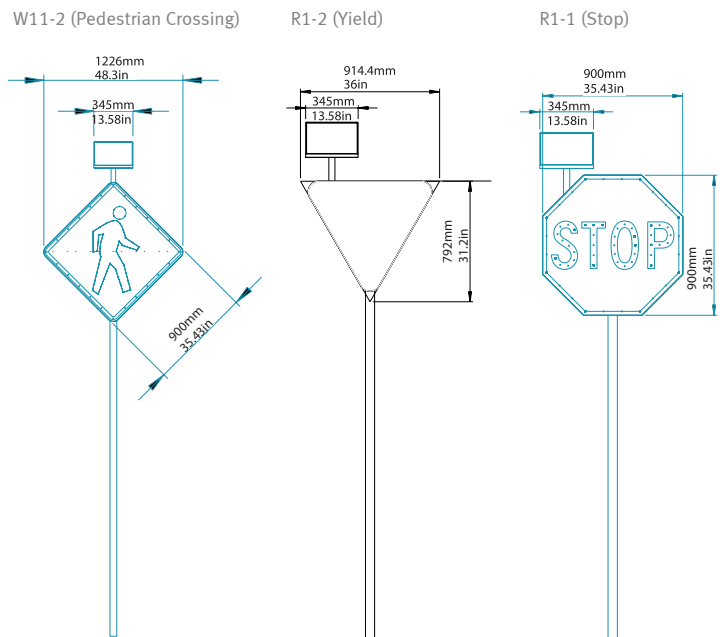
**Key features:**

- Programmable
- Current drivers to increase lifetime of LEDs
- Solar powered
- High distance visibility
- Optional brightness control
- Up to 7 days autonomy
- Battery placed inside sign

**Technical Specifications**

<b>Solar Power</b>	
Solar panel power	10W
Battery	6V / 7A
Autonomy	Up to 7 days
Operation	24 hours / night only switchable
Total power consumption	0.8W/h
<b>Optical Characteristics</b>	
Number of LEDs	132 (varies according to design)
LED type	CREE 5mm
Color	Red
Viewing angle	30°
Brightness intensity	4180 – 8200mcd
<b>Mechanical Characteristics</b>	
Dimensions	See below
Material	Body: Aluminum Reflector: 3M Diamond grade reflective sheet LED Lens: Polycarbonate

**Available standard MUTCD designs  
(other designs may be available on request)**



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SolaSign B1 is an independant solar road beacon light designed to replace the traditional beacon lights used for crosswalks and general warning applications.

Ultra-bright LED technology, visible at a great distance at both day and night, together with top of the line materials and sophisticated circuitry all ensure high performance and increased road safety.



### Technical Specifications

Technology and Operation	
Solar panel type	825mA mono-crystalline solar panel
Illumination technology	216 x Ø5 Ultra-bright LEDs
Energy storage	9V AGM Battery
Charging time	4 Hours (sunny) to 8 hours (cloudy or rainy)
Temperature range	-40F to +176F / -40C to +80C
On/Off level	24 hours operation
Operation modes	Optional activation/deactivation by sensors, push-button, computer, wireless receiver and the like
Warranty	1 year
Illumination Properties	
Available flash patterns	Slow: 25±2/min Fast: 50±5/min
Available LED colors	White, Blue, Red, Green, Amber
Light visibility distance	Up to 3,300 feet / 1000m (varies according to weather conditions)
Material and Design	
Body	Aluminum and stainless steel
Illumination face diameter	12" / 30.48cm



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# SP-IPCS

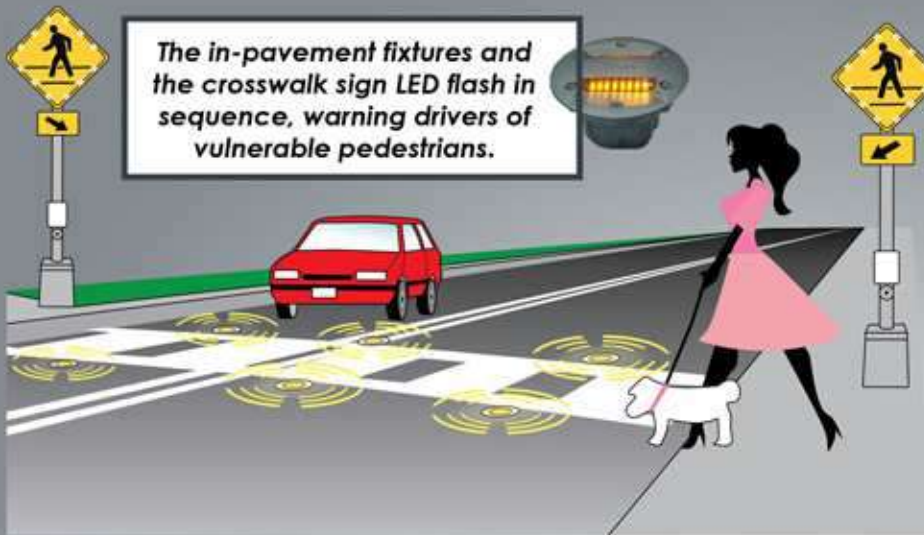


## TRAFFIC SOLUTIONS

**SP-IPCS** INTELLIGENT PEDESTRIAN CROSSING SYSTEM







*The SP-IPCS is an automatic system for effective pedestrian detection. Using real-time image processing and visible lighting to warn drivers of crossing pedestrians in a safe and effective way.*

*Perfect for: Schools, Hospitals, High Traffic Areas, Parks, Senior Centers, Mid-Block Crossings, Corporate, Campuses & Limited Visibility Corners*



### benefits

#### Easy to Use

Push button or motion activated

#### Easy to Understand

Standard FHWA signal flash rate or sequenced

#### Easy to Install and Maintain

Can be installed by city personnel  
Low maintenance and long LED life

#### Low Cost

1/10 the cost of a traditional traffic light

#### Energy Efficient

LED technology & solar PV option

#### Solar Power Option

No electrical required

### technical features

#### Solar panel type

10.5V 220mA mono-crystalline solar panel

#### Illumination technology

Ultra-bright LED

#### Energy storage

7.2V 2500mA Li-on battery

#### Charging time

4 Hours (sunny) to 8 hours (cloudy or rainy)

#### Temperature range

-40F to +176F / -40C to +80C

#### On/Off level

24 hours operation

#### Operation modes

Switchable - On / Off / Auto

# Pedestrian Crosswalk LED Bollard



SP-PCLB™ has been developed thinking about distracted walkers. The light on the top of the bollard is at the angle of view of a pedestrian who is looking at a cellphone. Connected with the pedestrian crossing traffic lights, the LED on top of the bollard changes from red to green – according to the pedestrian crossing traffic lights -, alerting pedestrians if it is safe to cross the street or not.

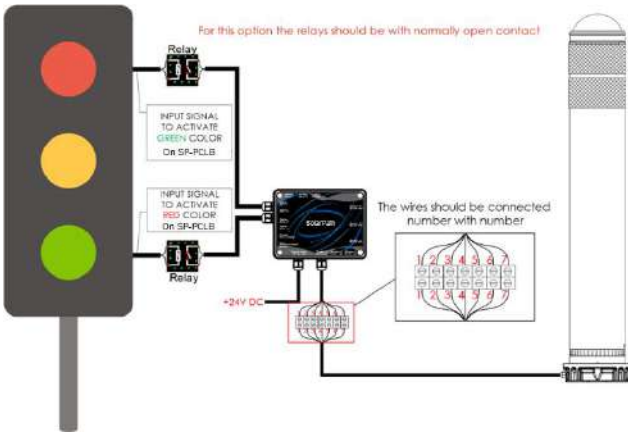


## Key Feature

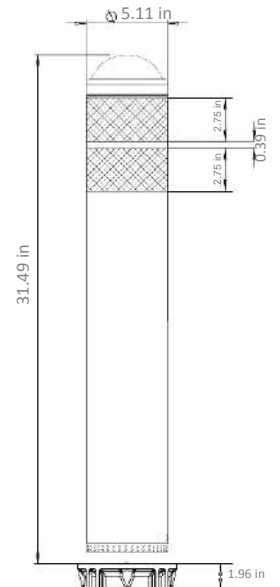
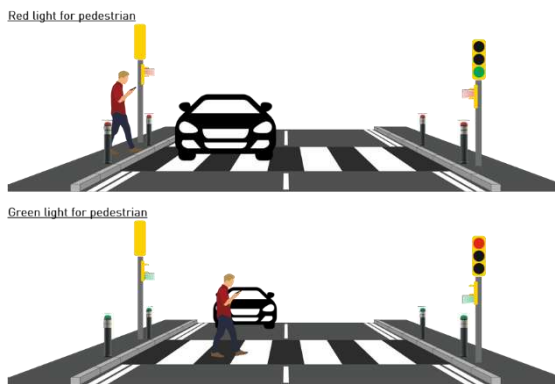
- Flexible bollard with memory effect and impact resistance
- Ideal for installation in entries of pedestrian crosswalk with traffic lights
- Specially developed to alert distracted walkers
- UV protection for greater durability
- 3M reflective tape with high reflectivity for greater visibility at night
- Possibility to add ribbons with glass reflector elements on bottom
- Over temperature protection
- Smart brightness management
- Easy installation and replacement

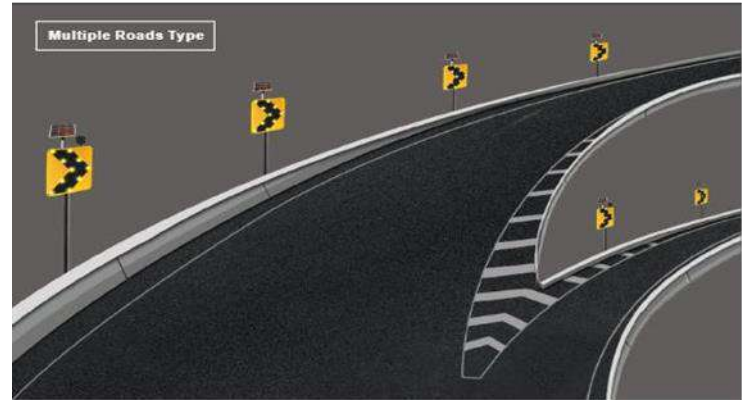
## Technical Specifications

Power Supply	24V DC
Current Consumption	Top LEDs: Red 139 mA; Green: 200mA Ring LEDs: Red: 200mA; Green: 200mA
LED's Type	Ring: 5mm / Top: Power LEDs
LED's Color	Red and Green
Reflective Tape	3M Reflective Tape
Reflective Tape Colors	White (Other colors available by request)
Main Body/ Base Material	PU and Aluminum
Main body Base color	Grey
Glass Reflector Ribbons Colors	Black with white crystals
Working Temperature	-13°F-185°F



### TYPICAL INSTALLATION ON CROSSWALK





Road curves are considered the most dangerous sections for drivers. A high percentage of road accidents occur in curves. To reduce the number of accidents, SolarPath has solar powered flashing radar sensors that detect moving vehicles and warn drivers upon approaching a curve. The solar powered radar sensor detects moving vehicles and when activated the system, the thin LED signs flash to guide the vehicle.

**Key features:**

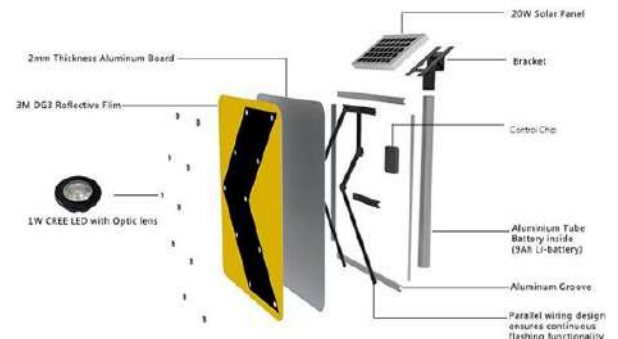
- Parallel wiring design ensures continuous flashing functionality.
- High intensity 3M reflector film.
- Flash mode: Sequential flash once system activated.
- Control system installed inside.
- Solar powered radar sensor detects moving vehicles and activated the system.
- All the Pro-Led Signs flash to guide vehicles.
- 2.4G Wireless Signal Emitter.
- Control all the signs to flash sequentially
- Wireless sequential system: Detecting distance up to 200M of each neighboring signs.

**Technical Specifications**

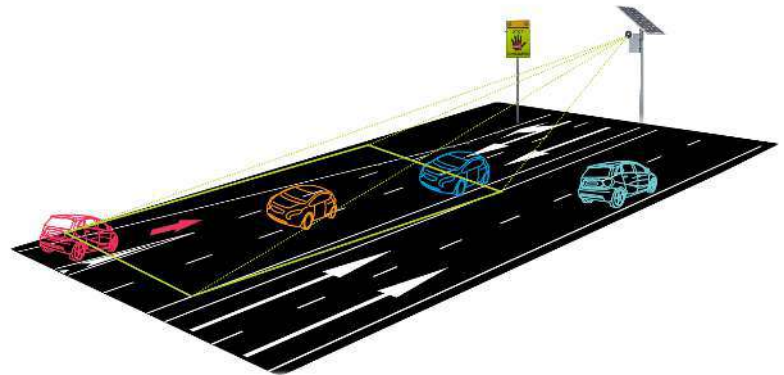
<b>LED Sign</b>	
Solar panel	20W Monocrystalline solar panel
Battery capacity	12V/9AH Lithium battery
LED	10 pcs high-intensity 1W CREE LED with optic lens
LED color	Yellow
Reflective film	High-intensity 3M DG reflective film
Housing Material	2 mm Thickness aluminum board
<b>Radar Detector</b>	
Material	Aluminum frame with acrylic front cover
Adjustable angle	360°
Detecting	Detect 3-4 lines
Working Frequency	24.150GHz
Operating Current	0.3A
Operating temperature	-40°-149°F
Operating voltage	DC 8V-20V
Output interface	RS232, RS485
Communications	GSM/ GPRS
<b>Solar Electric box</b>	
Material	Coated Iron box
Solar panel	40W
Battery capacity	40Ah free maintains battery
<b>4G Mode for website control(optional)</b>	
<ol style="list-style-type: none"> <li>1.Mornitoring the Radar sensor</li> <li>2.Online ON/OFF</li> <li>3.Vehicle counting &amp; data reporting exporting</li> <li>4.Programmable Control</li> <li>5.Emergency Notification</li> </ol>	



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Vehicles moving in the wrong direction represent a major danger. SR-WWIS is an advanced, solar powered system that facilitates supervision in real time and immediately detects vehicles driving the wrong way.

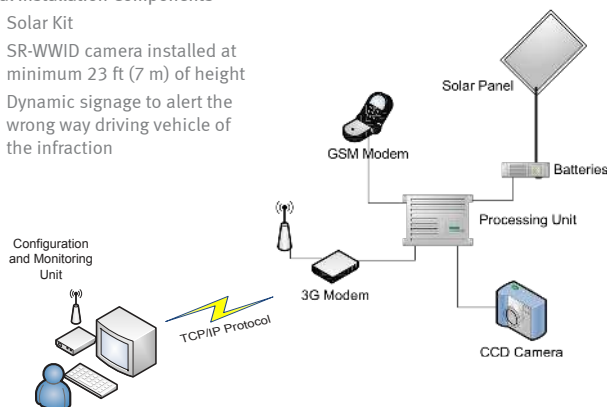
### Key features:

- Solar powered system
- System can be remotely monitored
- Visualizations of multiple wrong way detections
- Automate a wrong way alert by SMS
- Control dynamic signs to alert the wrong way driving vehicle
- Configurable for different speeds
- Operates 24/7
- Works with different types of pavement
- Stand-alone system—does not require physical connections
- Can be remotely configured via mobile broadband connection

### System Architecture

#### Typical Installation Components

- Solar Kit
- SR-WWID camera installed at minimum 23 ft (7 m) of height
- Dynamic signage to alert the wrong way driving vehicle of the infraction



### Technical Specifications

Camera	
CCD Camera	640x480 pixels RGB Color
Focal distance	6mm
Maximum detection distance	Dependent of camera positioning
Hardware	
Housing Material	Aluminum
Dimensions	4.13 x 4.53 x 16.14 in / 105 x 115 x 410 mm
Frontal protection	Glass
Covering	Anti-Corrosion treatment
Protection class	IP66
Processing Unit	
ARM Processor	ARM Cortex-A8 720 MHz CPU TMS320C64x DSP PowerVR SGX530 GPU
Communication	
TCP/IP	Protocol TCP/IP for system configuration and acquisition of alarms that have occurred
GSM	The system sends real time alarms through GMS
Software	
Configuration tool	Windows platform Configuration of regions of interests (ROIs) Vehicles direction Speed of parameters
Detection software	Works in all conditions including lighting variations
Power	
Solar Kit	Solar panel, batteries, and charge regulator defined according to installation site
Power consumption	Minimum: 0.2 A / 12V DC Maximum: 1 A / 12V DC

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# SP-IDS



## TRAFFIC SOLUTIONS

**SP-IDS**

INTELLIGENT ICE DETECTION SYSTEM



# SP-IDS INTELLIGENT ICE DETECTION SYSTEM



Very powerful ice detection system with humidity sensor and an intelligent temperature reader. The system works with solar energy, allowing the placement of this system in any critical point of a road.

This product and with the presented functionalities it's a step forward on the detection of dangerous places due the ice formation.



## technical features

RF Transmitter, integrated humidity and temperature sensors

Transmission Range : 820 feet

Frequency: 433mhz

Data Rate : Up to 9.6 Kbps

Power Supply : 12 V DC / standard or solar

Warning signal activates via Receiver Module (RIA)

Ultra Bright LED

Green : No Ice

Red : Ice Detected

Lower power consumption. Solar power ready.

## temperature sensors

Unit: Farenheit (°F)

RH Accuracy:  $\pm 3.5\%$  RH, 0-100 % RH non-condensing, 25 °C, 5 Vdc supply.

RH Interchangeability:  $\pm 5\%$  RH, 0-60% RH;  $\pm 8\%$  @ 60-100% RH Typical

RH Hysteresis:  $\pm 3\%$  of RH Span Maximum

RH Repeatability:  $\pm 0.5\%$  RH

RH response time, 1/e: 15 s in slowly moving air

RH Stability:  $\pm 0.2\%$  RH Typical at 50% RH in 1 Year

Supply Voltage: 4.0 Vdc to 5.8 Vdc

Supply Current: 500 uA Max.

Operating Humidity Range: 0 to 100% RH, non-condensing

Operating Temperature Range: -40 °F to 185 °F



# SP-OPS



**OUTDOOR PARKING**

**SP-OPS**

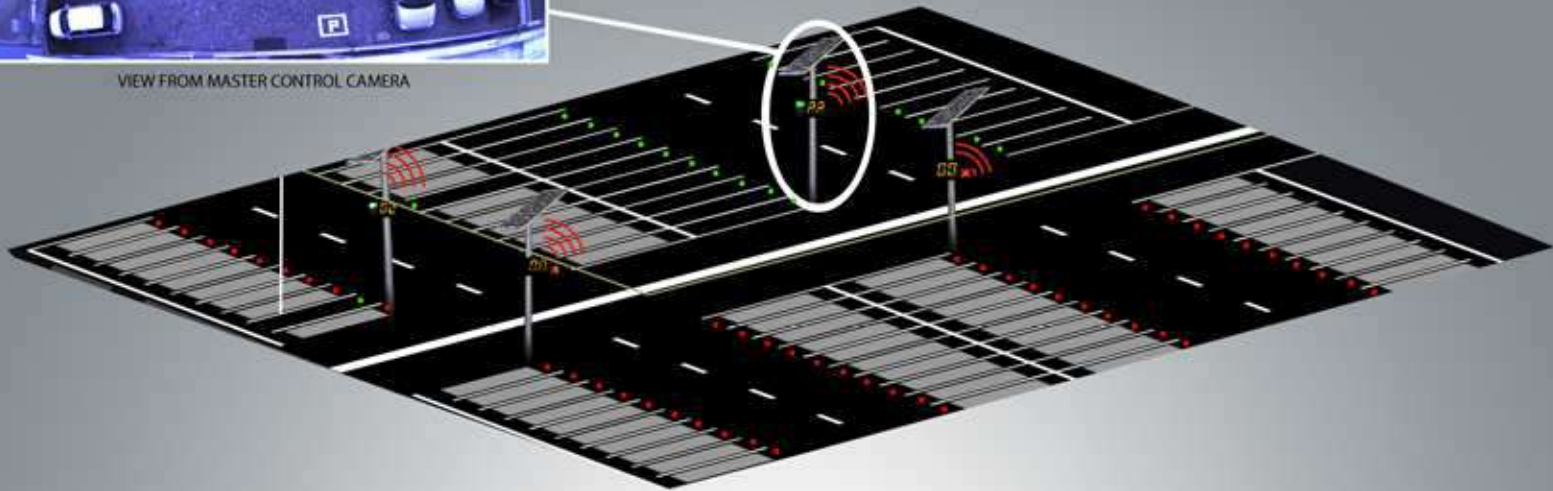
OUTDOOR PARKING SYSTEM





VIEW FROM MASTER CONTROL CAMERA

- - Available Space
  - - Occupied Space
- \* SP-RRRG2 - Available to mark Available/Occupied spaces



*Our Outdoor Parking System (OPS) is based in real image processing. Each camera can detect up to 50 places at 13 meters tall. The reliability of the system is based on a mark detection painted on the floor. With mark detection by image processing there is no problems related with light variations caused by the clouds, for example.*



### technical features

Each camera is an embedded system that processes and analyses the image in real time (locally) providing data output wirelessly through ZigBee protocol. Each camera can be seen as a set of virtual sensors (one for each place). A personal computer (central computer) with a ZigBee USB dongle (ZigBee gateway) receives the state of places monitored by each camera.

The places configuration is done separately for each camera. To configure the places, the user connects a PC/laptop to the camera (via Ethernet port). The PC/laptop is running a client application (on windows platform) that handle the drawing of the area corresponding to each place. The system gives automatically a name to each place drawn and save that information locally on the camera. After that the user disconnects the PC/laptop and the system is ready to analyse each place and send its state (free or occupied) to a central computer through ZigBee.

The output data format may be what you want. In other words, it's a matter of make an agreement with you to provide what fills better your requirements. However, the best choice to get the output data is through a TCP/IP connection (via localhost on central PC). We can use a private protocol defined by us or by Web services, for example. I think that Web Services will be a good choice due standardization.

It is also possible to send output data via Ethernet port of the camera. We provide a TCP/IP server on the camera. In that case you need an Ethernet cable permanently connected between the camera and the central PC. However, this arrangement implies only one camera connected to the central PC.

SolaTile I engages a photovoltaic array laid in a perimeter-style orientation along the edges of the tile surface. The square enclosure centers on an opaque diffusive plane, through which colors are horizontally diffused. The effect is the creation of small square pools of light.

SolaTile I continues to exceed expectations many years after its initial development. Used in residential, public, commercial, and industrial design, the unit has weathered all environments faultlessly. It is an original, dependable, and unique addition to any lighting design.



### Uses and Applications

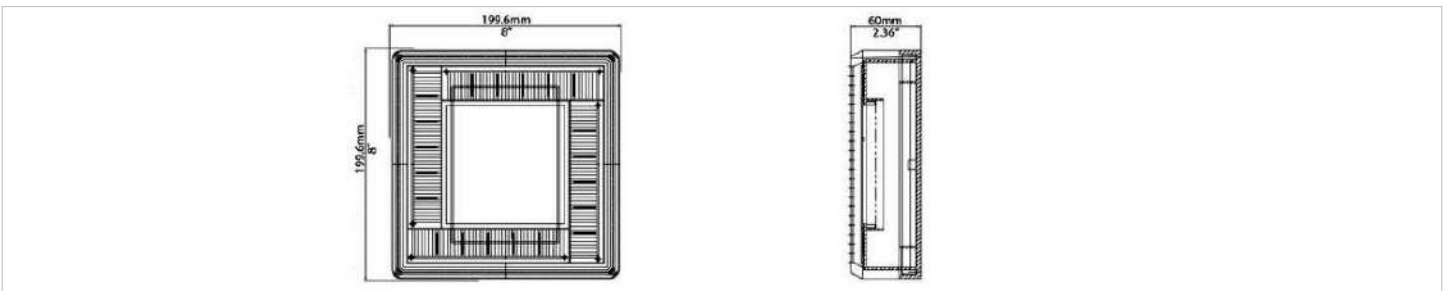
- Driveways
- Landscaping
- Pool decks
- Pool bottoms
- Patios
- Fountains
- Walkways
- Boardwalks
- Pavers
- Stairways
- Building exteriors
- And many more...

### Technical Specifications

Operation	
Solar panel type	Mono-Crystalline
Illumination technology	Ultra-bright LEDs
Energy storage	Ultra-Capacitors
Charging time	2 Hours (sunny) to 8 Hours (cloudy or rainy)
Operation at full charge	Up to 16 hours
Colors	Red, Green, Blue, Orange, Amber, White
Operating temperature	140 °F to -13 °F / 60 °C to -25 °C
Automatic On/Off level	150 lux - 350 lux

Lighting Properties						
Color	Luminance (Nit)		Illuminance (Lux)		Uniformity	
Red	6.0	5.7	18.8	17.9	80%	75%
Green	15.0	14.3	47.1	44.7	75%	70%
Blue	4.1	3.9	12.2	12.2	80%	75%
Orange	5.5	5.2	16.3	16.3	80%	75%
Amber	3.0	2.8	8.8	8.8	80%	75%
White	11.5	10.9	34.2	34.2	80%	75%

Material and Design	
Case Material	UV-Treated polycarbonate (main body) ABS (bottom cover)
Available Sizes	Square - 8"W x 8"L x 2.36"H Rectangular - 4"W x 8"L x 2.36"H
Weight	Square - 5.9lbs / 2.7kg Rectangular - 2.2lbs / 1kg
Modulus of rupture	21.8 N/mrn2 (=222 kgf/cm2)
Compressive strength	2.74 N/mrn2 (=28 kgf/cm2)
Breaking load	34.888 N (=3.560 kgf)
Waterproof	IP 68 - 100% (submersible)



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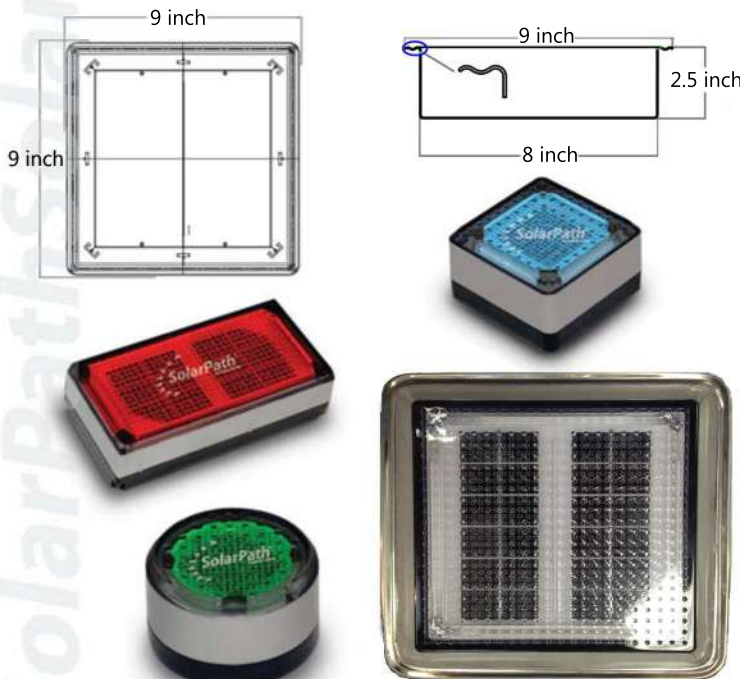


# SolaTile II

SolaTile II is the newest generation of SolarPath Sun Solutions' light emitting tiles. The design is an example of our value of listening and responding to the insights and wish-lists of lighting designers, architects, public artist, and our other partners.

This member of the LightDeco series engages an open surface photovoltaic array laid in a recessed chamber. LED lights, driven by clean capacitor power, are placed at the corners of a full-face illuminating plate. When the plate is lit, the recessed solar array is hidden, and the entire surface of the SolaTile II becomes fully illuminated.

Branding enhancements through customization are unlimited. Through advanced laser etching, any design can be impressed upon the illuminating plate, allowing for the highlighting of emblems, logos, demarcations, symbols, pictures, and lettering on the unit surface.



[www.solarpathusa.com](http://www.solarpathusa.com)



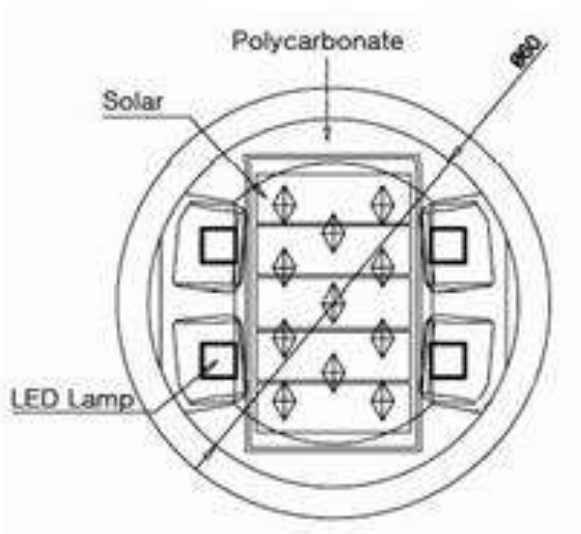
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Uses and Applications		
Driveways	Patios	Pavers
Landscaping	Fountains	Stairways
Pool decks	Walkways	Building exteriors
Pool bottoms	Boardwalks	And many more...

SolaTile II Technical Specifications						
<b>Operations</b>						
Solar panel type	Mono-crystalline					
Illumination technology	Ultra-bright LEDs					
Energy storage	Ultra-capacitors					
Charging time	2 (sunny day) to 8 (cloudy day) Hours					
Operation at full charge	Up to 16 hours					
Colors	Red, Green, Blue, Orange, Amber, White					
Operating temperature	140 °F to -13 °F / 60 °C to -25 °C					
Automatic On/Off level	150 lux - 350 lux					
<b>Lighting Properties</b>						
Color	Luminance (Nit)		Illuminance (Lux)		Uniformity	
Red	6.8	6.5	21.6	20.5	90%	80%
Green	17.3	16.4	54.2	51.4	90%	80%
Blue	4.7	4.5	14.8	14.1	90%	80%
Orange	6.3	5.9	19.9	18.7	90%	80%
Amber	3.4	3.2	10.8	10.1	90%	80%
White	13.2	12.5	41.5	39.3	90%	80%
<b>Material and Design</b>						
Case Material	UV-Treated polycarbonate (main body)					
Available Sizes	L. Square - 8"W x 8"L x 2.54"H S. Square - 4"W x 4"L x 2.54"H Rectangular - 4"W x 8"L x 2.54"H Round - Φ4" x 2.54"H					
Weight	L. Square - 5.5lbs / 2.5kg S. Square - 1.3lbs / 0.6kg Rectangular - 2.2lbs / 1kg Round - 1.2lbs / 0.5kg					
Modulus of rupture	21.8 N/mrn2 (=222 kgf/cm2)					
Compressive strength	2.74 N/mrn2 (=28 kgf/cm2)					
Breaking load	34.888 N (=3.560 kgf)					
Waterproof	IP 68 - 100% (submersable)					

Contact your local SolarPath Sun Solutions representative below:





## Technical Specifications

### Lighting and Operation

Lighting Technology	Active photovoltaic LED
Dimensions	R64 x H40mm
Weight	.39lbs
Housing Material	Solar Cell & I.C (Integrated Circuit) covered with U.V. coated Polycarbonate (Super-intensity)
Out Case	Stainless Steel Housing
LED's	4Pcs
LED color	Yellow/ Red/ White/ Blue/ Green
LED output	5000 mcd
LED output frequency	Steady or Flashing
LED visibility	1640 feet
Activation	Photo Sensor
Storage Device	Li-FePo4 ion battery
Capacitor cavity	600 m Ah/ 3.2V
Strength	50400lbs/in
Charge Condition	Sunny Day-2hr Rainy Day- 8hr
Life Span	Li-FePo4 ion battery for 2,000 cycles
Lighting time	12-16hrs
Waterproof	IP 68
Output on full charge	Up to 11-12 Hours
Operating Temperature	-40F to 176F
Manufacturer's Warranty	One Year

# Solatile Rigel 80™



## Technical Specifications

### Physical Properties

SUS Case Size	Ø3.7in x 1.8in
Product Size	Ø3.07in x 1.8in
Weight	0.88lbs
SUS case Thickness	.8t
SUS Case Material	SUS 30-2B
Compressive Strength	43,500 N
Water Proof	IP68
Operating Temperature	-40°F to +158°F
Operating Time	More than 12 hours
Onset Point	150-350 LUX
Charging Time	3 (sunny) 8 (cloudy and rainy)

Model	Color	Luminance(Lux)			Uniformity
		average	min	max	
Solatile Rigel 80*	Red	11.1	8.68	12.6	69%
	Green	89.88	70	118	59%
	Blue	9.71	7.29	12.08	60%
	YELLOW	19.04	15.6	23.2	67%
	White	82.5	66.6	103.5	64%
	Type: Continuous, Slow Flashing, Fast Flashing				

Single Crystalline Solar Cell	Solar module Size Solar Maximum Output Power Solar Operating Current Solar Voltage	2.08in x 2.04in 0.3666w 116.4mA 3.15V
LED	LED Size LED Current LED Operating Current LED Voltage LED Wattage LED Quantities	5ø LED 20mA per each 0.2mA x 5pcs R,Y,B,G,W (3v) 3,mw (5pcs) 5pcs
Pseudocapacitor	Pseudocapacitor Number of Pseudocapacitor	2.3V 120F 1pcs
Poly Carbonate Housing	T/C (L3) , B/C (LG)	
Electronic Controller	NST8 , MAIN PCB	



\*Illuminance(cd/m) measurement: The luminance points on the lighting area are measured an averaged.

\*Uniformity is obtained by dividing minimum luminance by maximum luminance from 5 point measurements.

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# DECORATIVE LED LIGHT

SPBDL-F



The SOLARPATH SPBDL-F™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. The lighting fixture can be use up to 60W and can be controlled via remote control.

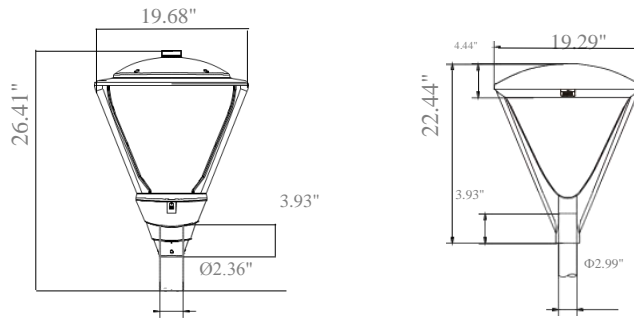
## TECHNICAL PARAMETERS

Power	20W-60W
Input	AC90-305 V or AC220-240 V or 12/24DCV
PF	>0.95 cos
L85	Up to 100,000 hrs
Operating Temperature	-31F- 122F
Efficacy	143lm/W
ANSI CCT	3000K/4000K/Amber
Min CRI	70* or 80
IP Rating	IP66
Timing	Optional
DALI	Optional
1-10V	Optional
PWM	Optional
Optic (IESNA)	Type II, Type III, Type IV, Type V
Optic	PC (standard) / PMMA (option)
Color Options	Black (*Other colors up on request)
Material	Die cast Aluminum

## FEATURES & BENEFITS



- High lumen output and high mounting height solution.
- Thermal control system to ensure long lifetime.
- Tool free design for easy installation and maintenance.

## CERTIFICATIONS



## Ordering Guide

EXAMPLE: SPBDL-F-A-20W-2-30K-BLK-00

LED Type	MODEL (Nominal Power)	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL
	AC90-305 V or AC220-240 V or 12/24DCV				
A - 	20W 30W 40W 50W 60W	2- Type II 3- Type III 4- Type IV 5- Type V	★ 30K ★ 40K ★ Amber * Other colors available	★ BLK * Other colors available	00 No motion sensor 01 Motion Sensor 04 DALI 05 1-10V dimming
B - 					



# DECORATIVE LED LIGHT

SPSUN-F-A



The SOLARPATH SPSUN-F-A™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. The lighting fixture can be use up to 60W and can be controlled via remote control.



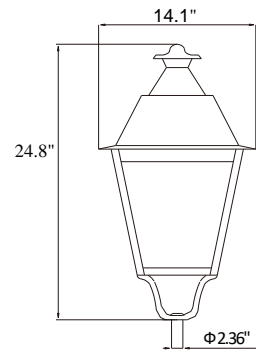
## TECHNICAL PARAMETERS

Power	20W-60W
Input	AC90-305 V or AC220-240 V or 12/24DCV
PF	>0.95 cos
L85	Up to 100,000 hrs.
Operating Temperature	-31F- 122F
Efficacy	127lm/W
ANSI CCT	3000K/4000K/Amber
Min CRI	70* or 80
IP Rating	IP66
Timing	Optional
DALI	Optional
1-10V	Optional
PWM	Optional
Optic (IESNA)	Type IV, Type V
Optic	PC (standard) / PMMA (option)
Color Options	Black (*Other colors up on request)
Material	Die cast Aluminum

## FEATURES & BENEFITS

- High lumen output and high mounting height solution.
- Thermal control system to ensure long lifetime.
- Tool free design for easy installation and maintenance.

## CERTIFICATIONS



## Ordering Guide

EXAMPLE: SPSUN-F-A-20W-4-30K-BLK-00

LED Type	MODEL (Nominal Power)	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL
	AC90-305 V or AC220-240 V or 12/24DCV				
SPSUN-F-A	30W	3- Type VI 5- Type V	★ 30K ★ 40K ★ 60K ★ Amber * Other colors available	★ BLK * Other colors available	00 No motion sensor 01 Motion Sensor 04 DALI 05 1-10V dimming
	40W				
	50W				
	60W				
	80W				



# DECORATIVE LED LIGHT

## SPSUN-F-B



The SOLARPATH SPSUN-F-B™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. The lighting fixture can be use up to 60W and can be controlled via remote control.



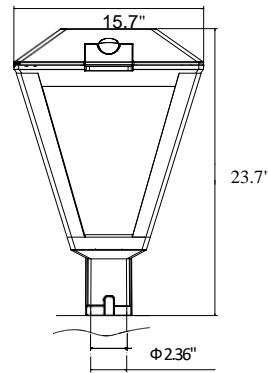
### TECHNICAL PARAMETERS

Power	20W-60W
Input	AC90-305 V or AC220-240 V or 12/24DCV
PF	>0.95 cos
L85	Up to 100,000 hrs.
Operating Temperature	-31F- 122F
Efficacy	127lm/W
ANSI CCT	3000K/4000K/Amber
Min CRI	70* or 80
IP Rating	IP66
Timing	Optional
DALI	Optional
1-10V	Optional
PWM	Optional
Optic (IESNA)	Type IV, Type V
Optic	PC (standard) / PMMA (option)
Color Options	Black (*Other colors up on request)
Material	Die cast Aluminum

### FEATURES & BENEFITS

- High lumen output and high mounting height solution.
- Thermal control system to ensure long lifetime.
- Tool free design for easy installation and maintenance.

### CERTIFICATIONS



### Ordering Guide

EXAMPLE: SPSUN-F-B-20W-4-30K-BLK-00

LED Type	MODEL (Nominal Power)	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL
	AC90-305 V or AC220-240 V or 12/24DCV				
SPSUN-F-B	30W	3- Type VI 5- Type V	★ 30K ★ 40K ★ 60K ★ Amber * Other colors available	★ BLK * Other colors available	00 No motion sensor 01 Motion Sensor 04 DALI 05 1-10V dimming
	40W				
	50W				
	60W				
	80W				





# DECORATIVE LED LIGHT

SPTB-F



The SOLARPATH SPTB-F™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. The lighting fixture can be use up to 80W and can be controlled via remote control.



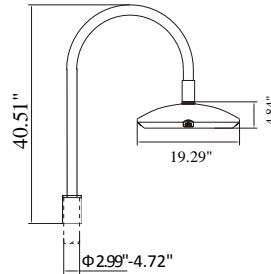
## TECHNICAL PARAMETERS

<b>Power</b>	30W-80W
<b>Input</b>	AC90-305 V or AC220-240 V or 12/24DCV
<b>PF</b>	>0.95 cos
<b>L85</b>	Up to 100,000 hrs.
<b>Operating Temperature</b>	-31F- 122F
<b>Efficacy</b>	143lm/W
<b>ANSI CCT</b>	3000K/4000K/Amber
<b>Min CRI</b>	70* or 80
<b>IP Rating</b>	IP66
<b>Timing</b>	Optional
<b>DALI</b>	Optional
<b>1-10V</b>	Optional
<b>PWM</b>	Optional
<b>Optic (IESNA)</b>	Type VI, Type V
<b>Optic</b>	PC (standard) / PMMA (option)
<b>Color Options</b>	Black (*Other colors up on request)
<b>Material</b>	Die cast Aluminum

## FEATURES & BENEFITS

- High lumen output and high mounting height solution.
- Thermal control system to ensure long lifetime.
- Tool free design for easy installation and maintenance.

## CERTIFICATIONS



## Ordering Guide

EXAMPLE: SPTB-F-30W-2-30K-BLK-00

LED Type	MODEL (Nominal Power)	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL
	AC-90 305V or AC220-240 V or 12/24DCV				
SPTB-F	30W	4- Type IV 5- Type V	★ 30K	★ BLK * Other colors available	00
	40W		★ 40K		No motion sensor
	50W		★ 60K		01
	60W		★ Amber		Motion Sensor
	80W		* Other colors available		04 DALI 05 1-10V dimming



# DECORATIVE LED LIGHT

## SPTC-F



The SOLARPATH SPTC-F™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. The lighting fixture can be use up to 80W and can be controlled via remote control.



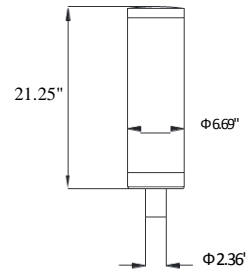
### TECHNICAL PARAMETERS

Power	30W-80W
Input	AC90-305 V or AC220-24 V or 12/24DCV
PF	>0.95 cos
L85	Up to 100,000 hrs.
Operating Temperature	-31F- 122F
Efficacy	143lm/W
ANSI CCT	3000K/4000K/Amber
Min CRI	70* or 80
IP Rating	IP66
Timing	Optional
DALI	Optional
1-10V	Optional
PWM	Optional
Optic (IESNA)	Type III, Type V
Optic	PC (standard) / PMMA (option)
Color Options	Black (*Other colors up on request)
Material	Die cast Aluminum

### FEATURES & BENEFITS

- High lumen output and high mounting height solution.
- Thermal control system to ensure long lifetime.
- Tool free design for easy installation and maintenance.

### CERTIFICATIONS



### Ordering Guide

EXAMPLE: SPTC-F-30W-2-30K-BLK-00

LED Type	MODEL (Nominal Power)	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL
	AC90-305V or AC220-240V or 12/24DCV				
SPTC-F	30W	3- Type III 5- Type V	★ 30K	★ BLK * Other colors available	00
	40W		★ 40K		No motion sensor
	50W		★ 60K		01
	60W		★ Amber		Motion Sensor
	80W		* Other colors available		04 DALI 05 1-10V dimming



# DECORATIVE LED LIGHT

SPTE-F



The SOLARPATH HIGHLIGHT SP--F™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. The lighting fixture can be use up to 60W and can be controlled via remote control.



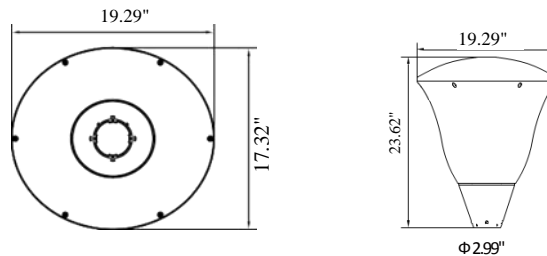
## TECHNICAL PARAMETERS

Power	30W-80W
Input	AC90-305 V or AC220-240 V or 12/24DCV
PF	>0.95 cos
L85	Up to 100,000 hrs.
Operating Temperature	-31F- 122F
Efficacy	143lm/W
ANSI CCT	3000K/4000K/Amber
Min CRI	70* or 80
IP Rating	IP66
Timing	Optional
DALI	Optional
1-10V	Optional
PWM	Optional
Optic (IESNA)	Type IV, Type V
Optic	PC (standard) / PMMA (option)
Color Options	Black (*Other colors up on request)
Material	Die cast Aluminum

## FEATURES & BENEFITS

- High lumen output and high mounting height solution.
- Thermal control system to ensure long lifetime.
- Tool free design for easy installation and maintenance.

## CERTIFICATIONS



## Ordering Guide

EXAMPLE: SPTE-F-30W-2-30K-BLK-00

LED Type	MODEL (Nominal Power)	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL
	AC90-305 V or AC220-240 V or 12/24DCV				
SPTE-F	30W 40W 50W 60W	4- Type IV 5- Type V	★ 30K ★ 40K ★ 60K ★ Amber * Other colors available	★ BLK * Other colors available	00 No motion sensor 01 Motion Sensor 04 DALI 05 1-10V dimming



# DECORATIVE LED LIGHT

SPTP-F



The SOLARPATH HIGHLIGHT SP--F™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. The lighting fixture can be use up to 80W and can be controlled via remote control.

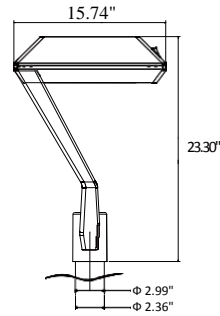
## TECHNICAL PARAMETERS

Power	30W-80W
Input	AC90-305 V or AC220-240 V or 12/24DCV
PF	>0.95 cos
L85	Up to 100,000 hrs.
Operating Temperature	-31F- 122F
Efficacy	143lm/W
ANSI CCT	3000K/4000K/Amber
Min CRI	70* or 80
IP Rating	IP67
Timing	Optional
DALI	Optional
1-10V	Optional
PWM	Optional
Optic (IESNA)	Type VI, Type V
Optic	PC (standard) / PMMA (option)
Color Options	Black (*Other colors up on request)
Material	Die cast Aluminum

## FEATURES & BENEFITS

- High lumen output and high mounting height solution.
- Thermal control system to ensure long lifetime.
- Tool free design for easy installation and maintenance.

## CERTIFICATIONS



## Ordering Guide

EXAMPLE: SPTP-F-30W-2-30K-BLK-00

LED Type	MODEL (Nominal Power)	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL
	AC90-305 V or AC220-240 V or 12/24DCV				
SPTP-F	30W	4- Type VI	★ 30K	★ BLK * Other colors available	00
	40W		★ 40K		No motion sensor
	50W	5- Type V	★ 60K	★ BLK * Other colors available	01
	60W		★ Amber		Motion Sensor
	80W		* Other colors available		04 DALI 05 1-10V dimming

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# DECORATIVE LED LIGHT

## SPTR-F



The SOLARPATH SPTR-F™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. The lighting fixture can be use up to 80W and can be controlled via remote control.



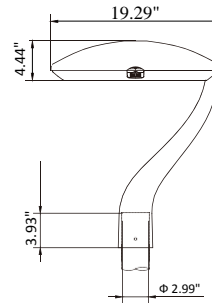
### TECHNICAL PARAMETERS

<b>Power</b>	30W-80W
<b>Input</b>	AC90-305 V or AC220-240 V or 12/24DCV
<b>PF</b>	>0.95 cos
<b>L85</b>	Up to 100,000 hrs.
<b>Operating Temperature</b>	-31F- 122F
<b>Efficacy</b>	143lm/W
<b>ANSI CCT</b>	3000K/4000K/Amber
<b>Min CRI</b>	70* or 80
<b>IP Rating</b>	IP67
<b>Timing</b>	Optional
<b>DALI</b>	Optional
<b>1-10V</b>	Optional
<b>PWM</b>	Optional
<b>Optic (IESNA)</b>	Type VI, Type V
<b>Optic</b>	PC (standard) / PMMA (option)
<b>Color Options</b>	Black (*Other colors up on request)
<b>Material</b>	Die cast Aluminum

### FEATURES & BENEFITS

- High lumen output and high mounting height solution.
- Thermal control system to ensure long lifetime.
- Tool free design for easy installation and maintenance.

### CERTIFICATIONS



### Ordering Guide

EXAMPLE: SPTR-F-30W-2-30K-BLK-00

LED Type	MODEL (Nominal Power)	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL
	AC90-305 V or AC220-240 V or 12/24DCV				
SPTR-F	30W	4- Type VI	★ 30K	★ BLK * Other colors available	00
	40W		★ 40K		No motion sensor
	50W	5- Type V	★ 60K	★ BLK * Other colors available	01
	60W		★ Amber		Motion Sensor
	80W		* Other colors available		04 DALI 05 1-10V dimming

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# DECORATIVE LED LIGHT

SPTS-F



The SOLARPATH SPTS-F™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. The lighting fixture can be use up to 80W and can be controlled via remote control.

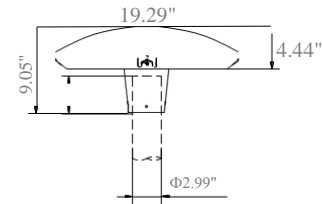
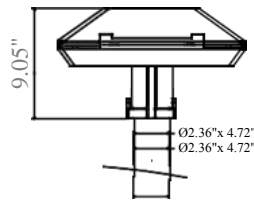
## TECHNICAL PARAMETERS

Power	30W-80W
Input	AC90-305 V or AC220-240 V or 12/24DCV
PF	>0.95 cos
L85	Up to 100,000 hrs.
Operating Temperature	-31F- 122F
Efficacy	143lm/W
ANSI CCT	3000K/4000K/Amber
Min CRI	70* or 80
IP Rating	IP67
Timing	Optional
DALI	Optional
1-10V	Optional
PWM	Optional
Optic (IESNA)	Type II, Type III, Type IV, Type V
Optic	PC (standard) / PMMA (option)
Color Options	Black (*Other colors up on request)
Material	Die cast Aluminum

## FEATURES & BENEFITS



- High lumen output and high mounting height solution.
- Thermal control system to ensure long lifetime.
- Tool free design for easy installation and maintenance.

## CERTIFICATIONS



## Ordering Guide

EXAMPLE: SPTS-F-A-20W-2-30K-BLK-00

LED Type	MODEL (Nominal Power)	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL
	AC90-305 V or AC220-240 V or 12/24DCV				
A - 	20W 30W 40W 50W 60W	2- Type II 3- Type III 4- Type IV 5- Type V	★ 30K ★ 40K ★ Amber * Other colors available	★ BLK * Other colors available	00 No motion sensor 01 Motion Sensor 04 DALI 05 1-10V dimming
B - 					



# DECORATIVE LED LIGHT

## SPTX-F



The SOLARPATH SPTX-F™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. The lighting fixture can be use up to 80W and can be controlled via remote control.



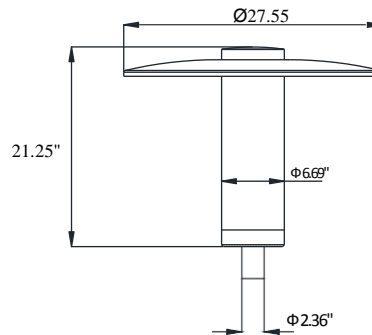
### TECHNICAL PARAMETERS

<b>Power</b>	30W-80W
<b>Input</b>	AC90-305 V or AC220-240 V or 12/24DCV
<b>PF</b>	>0.95 cos
<b>L85</b>	Up to 100,000 hrs.
<b>Operating Temperature</b>	-31F- 122F
<b>Efficacy</b>	143lm/W
<b>ANSI CCT</b>	3000K/4000K/Amber
<b>Min CRI</b>	70* or 80
<b>IP Rating</b>	IP67
<b>Timing</b>	Optional
<b>DALI</b>	Optional
<b>1-10V</b>	Optional
<b>PWM</b>	Optional
<b>Optic (IESNA)</b>	Type III, Type V
<b>Optic</b>	PC (standard) / PMMA (option)
<b>Color Options</b>	Black (*Other colors up on request)
<b>Material</b>	Die cast Aluminum

### FEATURES & BENEFITS

- High lumen output and high mounting height solution.
- Thermal control system to ensure long lifetime.
- Tool free design for easy installation and maintenance.

### CERTIFICATIONS



### Ordering Guide

EXAMPLE: SPTX-F-30W-2-30K-BLK-00

LED Type	MODEL (Nominal Power)	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL
	AC90-305 V or AC220-240 V or 12/24DCV				
SPTX-F	30W	3- Type III 5- Type V	★ 30K ★ 40K ★ 60K ★ Amber * Other colors available	★ BLK * Other colors available	00
	40W				No motion sensor
	50W				01
	60W				Motion Sensor
	80W				04 DALI 05 1-10V dimming



## ALFA Series



The ALFA series is an ideal solution for street lighting, available in multiple drive currents and optical distributions. Combining it with our optional motion sensor allows for even greater energy savings.



## FEATURES & BENEFITS

- Modular design allows for easy installation, replacement and maintenance. This design also creates a chimney effect which provides exceptional thermal management.
- Meets 3G vibration per ANSI C136.31-2010.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Over 20 optical lenses are available for virtually any application.
- Slip fitter with +/- 20 degree of adjustment for leveling.
- Multiple smart lighting control options are available, e.g. photocell, motion sensor, DALI, 1-10V.
- 10 years limited warranty available.

## CERTIFICATIONS

UL/CUL/DLC/LM79/SAA/ENEC/CB/CE/ErP/RoHS/PSE/IK08

## TECHNICAL PARAMETERS

<b>Power</b>	30- 320W
<b>Input</b>	120-277VAC or 220-240VAC or 347-480VAC or 12-24VDC
<b>PF</b>	>0.95
<b>THD</b>	<20%
<b>L70/L90</b>	>200,000H/ >60,000H
<b>Operating Temperature</b>	-40F- 122F
<b>Efficacy</b>	120-160lm/W
<b>ANSI CCT</b>	3000K/4000K/5000K/5700K
<b>Min CRI</b>	70* or 80 or 90
<b>IP Rating</b>	IP67
<b>SPD</b>	10KA* or 20KA
<b>Certificate/Qualification</b>	UL/CUL/DLC/LM79/SAA/ENEC/CB/CE/ErP/RoHS/PSE/IK08
<b>DALI</b>	Optional
<b>1-10V</b>	Optional
<b>Photocell</b>	Optional
<b>Smart Control</b>	Optional
<b>Optic (IESNA)</b>	Type I, Type II, Type III, Type IV, Type V
<b>Color Options</b>	Grey/Black/Bronze/White

## ORDERING INFORMATION

MODEL (Nominal Power)				OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
<b>SLA30</b> 30W	<b>SLB40</b> 40W	<b>SLC80*</b> 80W	<b>SLD30**</b> 30W	<b>T1M</b> Type I Medium	<b>30K</b> 3045 ±175K	<b>★ GR</b> Grey (RAL:7004)	<b>00</b> Not required	Adaptor Bracket
<b>SLA60</b> 60W	<b>SLB80</b> 80W	<b>SLC120*</b> 120W	<b>SLD40**</b> 40W	<b>T2M</b> Type II Medium	<b>★40K</b> 3985 ±275K	<b>BK</b> Black (RAL:9011)	<b>01</b> Photocell	Bird Spike
<b>SLA90</b> 90W	<b>SLB120</b> 120W	<b>SLC160*</b> 160W	<b>SLD60**</b> 60W	<b>T3M</b> Type III Medium	<b>★50K</b> 5028 ±283K	<b>BZ</b> Bronze (RAL:8019)	<b>02</b> Motion Sensor	3/5/7-pin NEMA
<b>SLA120</b> 120W	<b>SLB160</b> 160W	<b>SLC200*</b> 200W	<b>SLD80**</b> 80W	<b>T3L</b> Type III Long	<b>57K</b> 5665 ±355K	<b>WH</b> White (RAL:9010)	<b>03</b> Photocell + Motion Sensor	Receptacle
<b>SLA150</b> 150W	<b>SLB200</b> 200W	<b>SLC240*</b> 240W	<b>SLD90**</b> 90W	<b>T4S</b> Type IV Short			<b>04</b> DALI	20KA Surge
<b>SLA180</b> 180W	<b>SLB240</b> 240W	<b>SLC280*</b> 280W	<b>SLD120**</b> 120W	<b>T4M</b> Type IV Medium			<b>05</b> 1-10V dimming	Protection Device
<b>SLA210</b> 210W	<b>SLB280</b> 280W	<b>SLC320*</b> 320W		<b>T5U</b> Average beam angle 10°				Back Light Shield
<b>SLA240</b> 240W	<b>SLB320</b> 320W			<b>T5V</b> Average beam angle 25°				Safety Cable
<b>SLA270</b> 270W				<b>T5W</b> Average beam angle 40°				
<b>SLA300</b> 300W				<b>T5S</b> Average beam angle 60°				
				<b>T5M</b> Average beam angle 90°				
				<b>T5L</b> Average beam angle 120°				
				<b>T5X</b> Average beam angle 150°				
				<b>T5D</b> Diffuser				

\* DALI & Motion sensor unavailable

\*\* 1-10V dimming & DALI & Motion sensor unavailable

★ Regular stocked item

✦ Example 1: SLA30-T3M-50K-GR-03

✦ Example 2: SLB40-T2M-50K-BK-02

### 01. HOUSING

- Die cast aluminum housing.
- Modular design allows for easy installation, replacement and maintenance. This design also creates a chimney effect which enable passive heat dissipation.
- IK08 Rated.
- Meets 3G vibration per ANSI C136.31-2010

### 02. FINISH

- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Standard colors: Grey, Black, Bronze and White.
- Customized colors are available.

### 03. LED & OPTICAL ASSEMBLY

- Each PCB are mounted with a TVS (Transient Voltage Suppressors) to protect the LEDs from voltage transients induced by lightning and other transient voltage events.
- High-uniformity LED optics are constructed of durable optical polycarbonate that is impact and UV resistant.
- The metal plate provides double protection for the LED light engine and prolongs LED optics life.
- Over 15 optical lenses are available for virtually any application.
- Each LED module are 100% tested prior to assembly which is IP67 rated.

### 04. MOUNTING

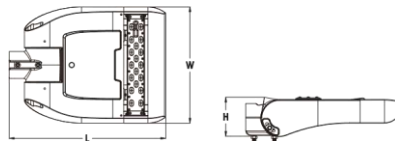
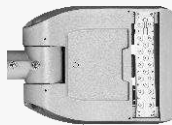
- Side-entry or post-top mounting.
- Slipfitter with +/- 20 degree of adjustment for leveling.
- Standard mounting diameter is 2 3/8"(60mm), custom adaptors are available for smaller diameters.
- Brackets are available for different installations.

### 05. ELECTRICAL/ KEY COMPONENTS/ CONTROLS

- 120-277VAC and 347-480VAC and 12-24VDC available.
- Standard maximum surge protection to 20kV/10kA per ANSI/IEEE C62.41.2-2002.
- First class driver and connectors, e.g. MOLEX, WAGO.
- Multiple smart lighting control options are available, e.g. photocell, motion sensor, DALI, 1-10V.
- 3-pin/ 5-pin/ 7-pin photocell are available for light level adjustments.

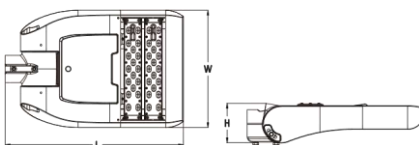
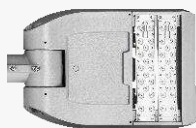
### 06. PRODUCT CERTIFICATIONS

- UL/CUL/DLC/LM79/SAA/ENEC/CB/CE/IP67/ErP/RoHS/PSE/IK08



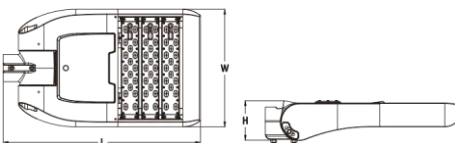
Model	SLA30/SLB40/SLD30/SLD40	Net Weight	6.13kg(13.51lbs)
LED Modules	1	Gross Weight	6.94kg(15.30lbs)
LEDs	18	Product Dimensions	463x345x116mm 18.23"x13.58"x4.57"
EPA (sq.ft.)	0.72	Carton Dimensions	525x415x175mm 20.67"x16.34"x6.89"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
SLA30	31W	120-277VAC	530mA	3627lm	4030lm	130
SLB40	41W	120-277VAC	700mA	4613lm	5125lm	125
SLD30	31W	9-18VDC or 18-32VDC	500mA	3627lm	4030lm	130
SLD40	41W	9-18VDC or 18-32VDC	700mA	4613lm	5125lm	125



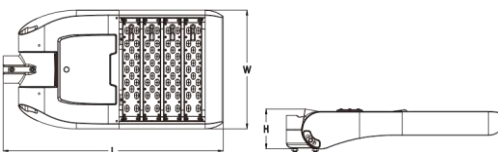
Model	SLA60/SLB80/SLC80/SLD60/SLD80	Net Weight	7.09kg(15.63lbs)
LED Modules	2	Gross Weight	8.12kg(17.90lbs)
LEDs	36	Product Dimensions	523x345x116mm 20.59"x13.58"x4.57"
EPA (sq.ft.)	0.783	Carton Dimensions	585x415x175mm 23.03"x16.34"x6.89"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
SLA60	61W	120-277VAC	530mA	7247lm	8052lm	132
SLB80	78W	120-277VAC	700mA	8986lm	9984lm	128
SLC80	78W	347-480VAC	700mA	8986lm	9984lm	128
SLD60	61W	9-18VDC or 18-32VDC	500mA	7247lm	8052lm	132
SLD80	78W	9-18VDC or 18-32VDC	700mA	8986lm	9984lm	128



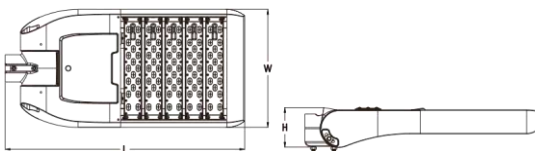
Model	SLA90/SLB120/SLC120/SLD90/SLD120	Net Weight	8.02kg(17.68lbs)
LED Modules	3	Gross Weight	9.24kg(20.37lbs)
LEDs	54	Product Dimensions	583x345x116mm 22.95"x13.58"x4.57"
EPA (sq.ft.)	0.846	Carton Dimensions	645x415x175mm 25.39"x16.34"x6.89"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
SLA90	87W	120-277VAC	530mA	10571lm	11745lm	135
SLB120	118W	120-277VAC	700mA	13806lm	15340lm	130
SLC120	118W	347-480VAC	700mA	13806lm	15340lm	130
SLD90	87W	9-18VDC or 18-32VDC	500mA	10571lm	11745lm	135
SLD120	118W	9-18VDC or 18-32VDC	700mA	13806lm	15340lm	130



Model	SLA120/SLB160/SLC160	Net Weight	8.71kg(19.20lbs)
LED Modules	4	Gross Weight	9.84kg(21.69lbs)
LEDs	72	Product Dimensions	643x345x116mm 25.31"x13.58"x4.57"
EPA (sq.ft.)	0.912	Carton Dimensions	705x415x175mm 27.76"x16.34"x6.89"

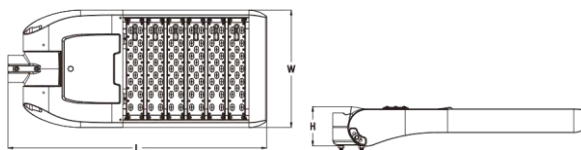
Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
SLA120	110W	120-277VAC	530mA	13365lm	14850lm	135
SLB160	156W	120-277VAC	700mA	18252lm	20280lm	130
SLC160	156W	347-480VAC	700mA	18252lm	20280lm	130



Model	SLA150/SLB200/SLC200	Net Weight	9.47kg(20.88lbs)
LED Modules	5	Gross Weight	10.73kg(23.66lbs)
LEDs	90	Product Dimensions	703x345x116mm 27.68"x13.58"x4.57"
EPA (sq.ft.)	0.977	Carton Dimensions	765x415x175mm 30.12"x16.34"x6.89"

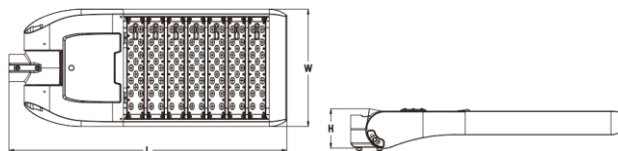
Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
SLA150	141W	120-277VAC	530mA	17132lm	19035lm	135
SLB200	196W	120-277VAC	700mA	22932lm	25480lm	130
SLC200	196W	347-480VAC	700mA	22932lm	25480lm	130





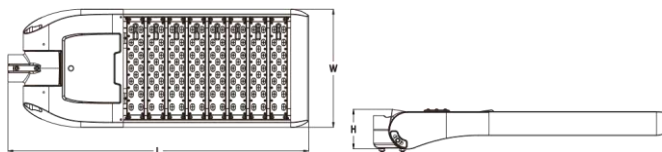
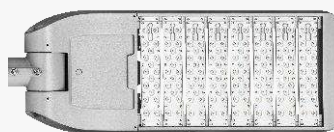
Model	SLA180/SLB240/SLC240	Net Weight	10.98kg(24.21lbs)
LED Modules	6	Gross Weight	12.35kg(27.23lbs)
LEDs	108	Product Dimensions	763x345x116mm 30.04"x13.58"x4.57"
EPA (sq.ft.)	1.046	Carton Dimensions	825x415x175mm 32.48"x16.34"x6.89"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
SLA180	172W	120-277VAC	530mA	20898lm	23220lm	135
SLB240	234W	120-277VAC	700mA	27378lm	30420lm	130
SLC240	234W	347-480VAC	700mA	27378lm	30420lm	130



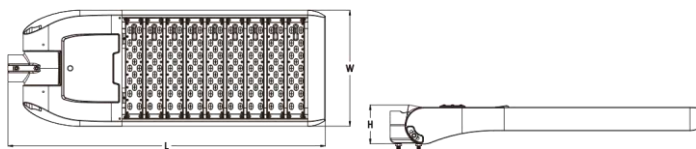
Model	SLA210/SLB280/SLC280	Net Weight	11.62kg(25.62lbs)
LED Modules	7	Gross Weight	13.0kg(28.66lbs)
LEDs	126	Product Dimensions	823x345x116mm 32.40"x13.58"x4.57"
EPA (sq.ft.)	1.115	Carton Dimensions	885x415x175mm 34.84"x16.34"x6.89"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
SLA210	202W	120-277VAC	530mA	24543lm	27270lm	135
SLB280	274W	120-277VAC	700mA	32058lm	35620lm	130
SLC280	274W	347-480VAC	700mA	32058lm	35620lm	130



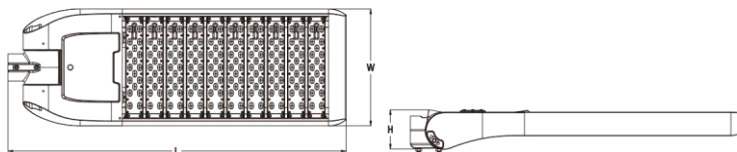
Model	SLA240/SLB320/SLC320	Net Weight	12.39kg(27.32lbs)
LED Modules	8	Gross Weight	13.72kg(30.25lbs)
LEDs	144	Product Dimensions	883x345x116mm 34.76"x13.58"x4.57"
EPA(sq.ft.)	1.184	Carton Dimensions	945x415x175mm 37.20"x16.34"x6.89"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
SLA240	228W	120-277VAC	530mA	27702lm	30780lm	135
SLB320	310W	120-277VAC	700mA	36270lm	40300lm	130
SLC320	310W	347-480VAC	700mA	36270lm	40300lm	130



Model	SLA270	Net Weight	13.06kg(28.79lbs)
LED Modules	9	Gross Weight	14.66kg(32.32lbs)
LEDs	162	Product Dimensions	943x345x116mm 37.13"x13.58"x4.57"
EPA (sq.ft.)	1.254	Carton Dimensions	1005x415x175mm 39.57"x16.34"x6.89"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
SLA270	256W	120-277VAC	530mA	31104lm	34560lm	135

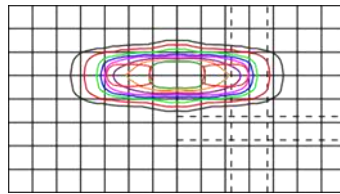


Model	SLA300	Net Weight	13.73kg(30.27lbs)
LED Modules	10	Gross Weight	15.60kg(34.39lbs)
LEDs	180	Product Dimensions	1003x345x116mm 39.49"x13.58"x4.57"
EPA (sq.ft.)	1.325	Carton Dimensions	1065x415x175mm 41.93"x16.34"x6.89"

Model No.	System Power	Voltage	Drive Current	Luminous Flux		Efficacy (lm/W)
				3000K	4000 /5000K	
SLA300	283W	120-277VAC	530mA	34385lm	38205lm	135

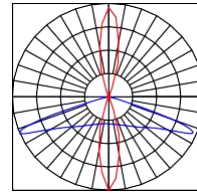


ISO Plat

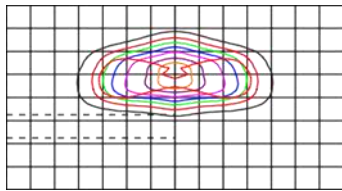
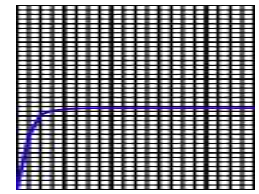


M Type I Medium

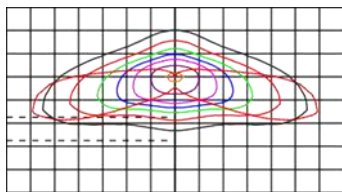
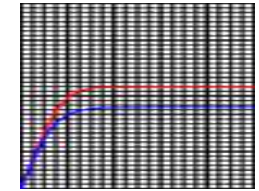
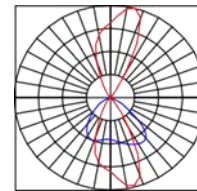
Polar Curve



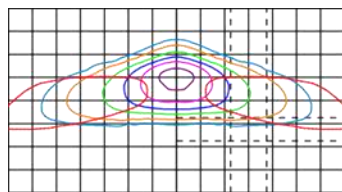
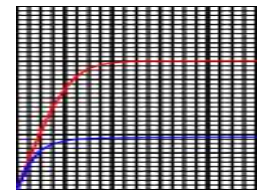
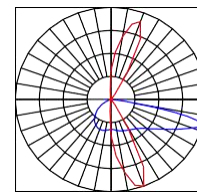
Cu Graph



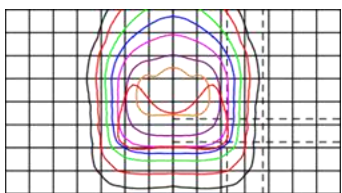
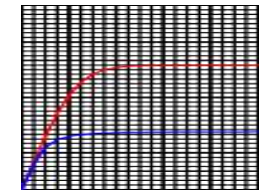
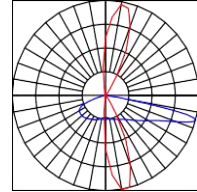
T2M Type II Medium



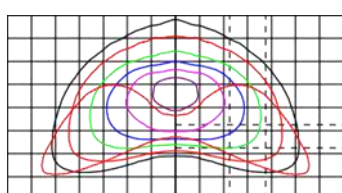
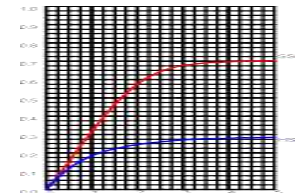
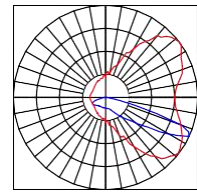
T3M Type III Medium



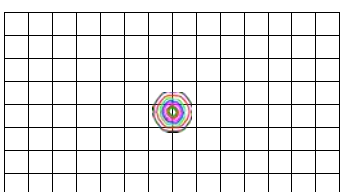
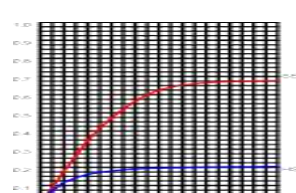
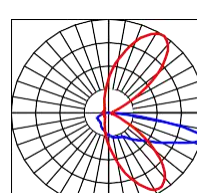
T3L Type III Long



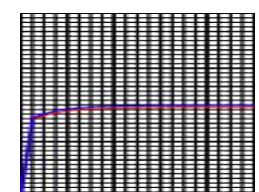
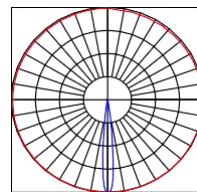
T4S Type IV Short



T4M Type IV Medium



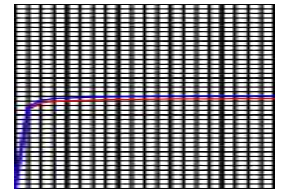
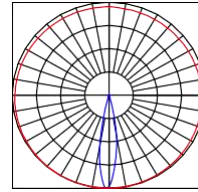
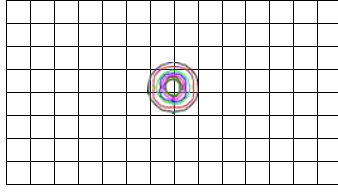
T5U Average beam angle 10°



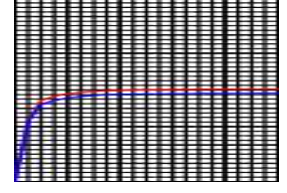
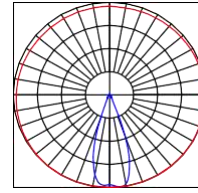
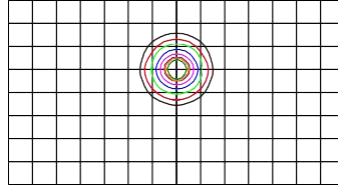
ISO Plat

Polar Curve

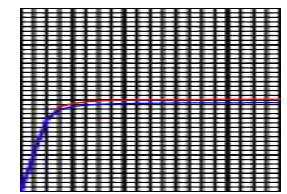
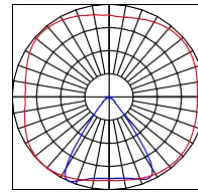
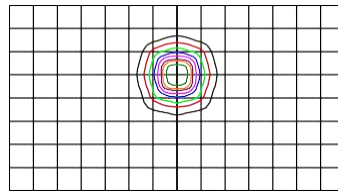
Cu Graph



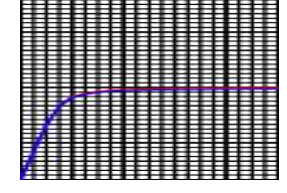
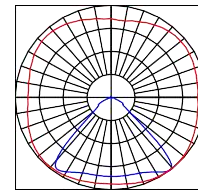
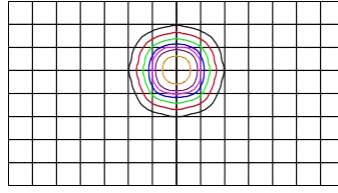
**T5V** Average beam angle 25°



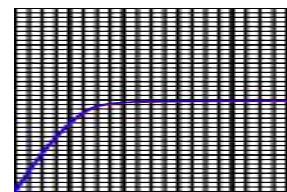
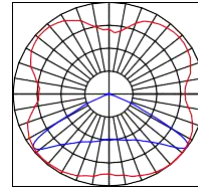
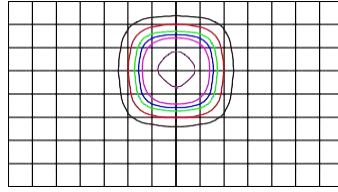
**T5W** Average beam angle 40°



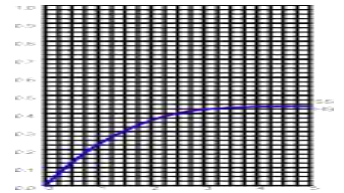
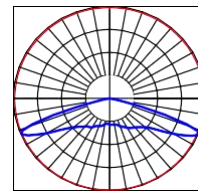
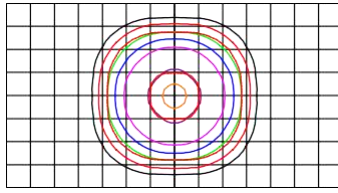
**T5S** Average beam angle 60°



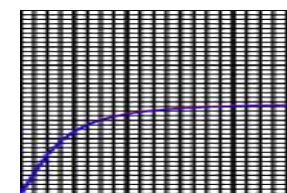
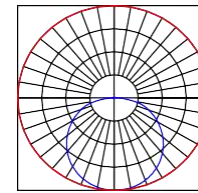
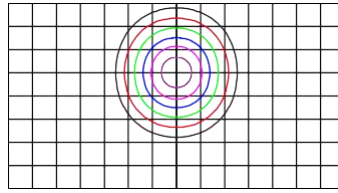
**T5M** Average beam angle 90°



**T5L** Average beam angle 120°



**T5X** Average beam angle 150°



**T5D** Diffuser



# LED STREET LIGHT

## FIND Series



Employing a mix of traditional exterior design elements with modern power-saving technologies, the FIND series offers exceptional energy efficiency for faster ROI while providing an aesthetic appeal.



SLG



SLE

## FEATURES & BENEFITS

- Single-cast aluminum housing enables passive heat dissipation along the entire length of the luminaire.
- Modular design allows for easy installation, replacement and maintenance.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Class II isolation protection.
- 0 and +5 degree of titling angle adjustment.
- Adjustable for 1 5/8-2 3/8"(42mm-60mm) O.D. Tenon.
- Multiple smart lighting control options are available, e.g. photocell, 1-10V.
- 5 years limited warranty available.

## CERTIFICATIONS

UL/ CUL/ DLC/ LM79/ CB/ CE/ RoHS

## TECHNICAL PARAMETERS

Power	20- 120W
Input	120-277VAC or 220-240VAC or 12-24VDC
PF	>0.95
THD	<20%
L85	>200,000H/>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-160lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 90
IP Rating	IP65
SPD	10KA* or 20KA
DALI	/
1-10V	Optional
Photocell	Optional
Smart Control	Optional
Optic (IESNA)	Type II, Type III, Type IV, Type V
Color Options	Grey

\* Standard

## ORDERING INFORMATION

Example : SLG60-T2M-50K-GR-05

MODEL (Nominal Power)				OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC	12-24VDC	120-277VAC or 220-240VAC	12-24VDC					
SLG16 SLG25 SLG40 SLG60	SLG30D* SLG40D*	SLE60 SLE80 SLE90 SLE120	SLE60D* SLE80D*	T2M T3L T4M T5U T5V T5W T5S T5M T5L T5X T5D	30K ★ 40K ★ 50K 57K	★ GR	00 Not required 01 Photocell 05 1-10V dimming	Adaptor Bracket  3/5/7-pin NEMA Receptacle  20KA Surge Protection Device  Safety Cable

\* 1-10V dimming unavailable

★ Regularly stocked item

# LED STREET LIGHT

## TITAN Series



The TITAN Series luminaire is designed with industry-leading LED technology in accordance to DOT standards. It provides unmatched illumination performance and significant energy saving.



## FEATURES & BENEFITS

- Die cast aluminum housing.
- Modular design allows for easy installation, replacement and maintenance. This design also creates a chimney effect which provides exceptional thermal management.
- Tool-less entry to driver compartment.
- Meets 3G vibration per ANSI C136.31-2010.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Over 15 optical lenses are available for virtually any application.
- 0, +/-2.5, +/-5 degree of titling angle adjustment.
- Multiple smart lighting control options are available, e.g. photocell, motion sensor, DALI, 1-10V.

## CERTIFICATIONS

UL/ CUL /DLC/ LM79 / CB/ CE/ RoHS/ IK08

## TECHNICAL PARAMETERS

Power	30- 240W
Input	120-277VAC or 220-240VAC or 347-480VAC or 12-24VDC
PF	>0.95
THD	<20%
L85	>200,000H/>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-160lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 90
IP Rating	IP67
SPD	10KA* or 20KA
DALI	Optional
1-10V	Optional
Photocell	Optional
Smart Control	Optional
Optic (IESNA)	Type II, Type III, Type IV, Type V
Color Options	Grey/Black/Bronze/White

\* Standard

## ORDERING INFORMATION

Example : SKA60-T2M-50K-BZ-04

MODEL (Nominal Power)				OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220- 240VAC (30W/module)	120-277VAC or 220- 240VAC (40W/module)	347-480VAC (40W/module)	12-24VDC					
SKA30	SKB40	SKB80H*	SKA30D**	T2M	30K	★ GR	00	Adaptor Bracket
SKA60	SKB80	SKB120H*	SKB40D**	T3L	★ 40K	BK	Not required	
SKA90	SKB120	SKB160H*	SKA60D**	T4M	★ 50K	BZ	01	Bird Spike
SKA120	SKB160	SKB240H*	SKB80D**	T5U	57K	WH	Photocell	
SKA180	SKB240		SKA90D**	T5V			02	3/5/7-pin NEMA
			SKB120D**	T5W			Motion Sensor	Receptacle
				T5S			03	
				T5M			Photocell	Safety Cable
				T5L			+	
				T5X			Motion Sensor	Knife Switch
				T5D			04	
							DALI	20KA Surge
							05	Protection Device
							1-10V dimming	

DALI & Motion sensor unavailable

\*\* 1-10V dimming & DALI & Motion sensor unavailable

★ Regularly stocked item



# LED STREET LIGHT

## LUMA Series



Designed for durability and ease of installation, the sleek external design prevents build-up of dust or potentially damaging airborne material on the fitting.

### FEATURES & BENEFITS

- Compact & sleek design.
- Tool-less entry to driver compartment.
- Meets 3G vibration per ANSI C136.31-2010.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Adjustable for 1 5/8-2 3/8"(42mm-60mm) O.D. tenon.
- Multiple smart lighting control options are available, e.g. photocell, motion sensor, DALI, 1-10V.
- 10 years limited warranty available.

### CERTIFICATIONS

UL/ CUL/ DLC/ LM79/ CB/ CE / RoHS/ IK08

### TECHNICAL PARAMETERS

Power	20W-100W
Input	120-277VAC or 220-240VAC or 12-24VDC
PF	>0.95
THD	<20%
L85	>200,000H/>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-160lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 90
IP Rating	IP67
SPD	10KA* or 20KA
DALI	Optional
1-10V	Optional
Photocell	Optional
Smart Control	Optional
Optic (IESNA)	Type II, Type III, Type IV, Type V
Color Options	Grey/Black/Bronze/White

\* Standard



SID20  
SIA30  
SIA30D  
SIB40  
SIB40D  
SIC60



SIA60  
SIB80  
SIC100  
SIA60D  
SIB80D

### ORDERING INFORMATION

Example : SIA30-T2M-50K-GR-00

Model (Nominal Power)		OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC	12-24VDC					
SID20	SIA30D*	T2M	30K	★ GR	00	Adaptor Bracket
SIA30	SIB40D*	T3L	★ 40K	BK	Not required	
SIB40	SIA60D	T4M	★ 50K	BZ	01	3\5\7- pin NEMA Receptacle
SIC60	SIB80D	TSU	57K	WH	Photocell	
SIA60		TSV			02	
SIB80		T5W			Motion sensor	20KA Surge Protection device
SIC100		T5S			03	
		T5M			Photocell	
		T5L			+	Safety cable
		T5X			Motion sensor	
		T5D			04	Knife switch
					DALI	
					05	Emergency Power Supply (EPS)
					1-10V dimming	

\* DALI unavailable

★ Regularly stocked item

# FLOOD LIGHT

## GAMA-L Series



The GAMA-L series offers exacting illumination performance featuring advanced LED optical design and multiple light distribution options.

## FEATURES & BENEFITS

- Modular design allows for easy installation, replacement and maintenance. This design also creates a chimney effect which provides exceptional thermal management.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Over 15 optical lenses are available for virtually any application.
- Slipfitter with +/- 90 degree of adjustment for leveling.
- Interchangeable with the other GAMA Series with a bracket change.
- Multiple lighting control options are available, e.g. DALI, 1-10V.
- 10 years limited warranty available.

## CERTIFICATIONS

UL/ CUL/ DLC/ LM79/ SAA/ ENEC/ CB/ CE/ ErP/ RoHS/ IK08

## TECHNICAL PARAMETERS

Power	30- 320W
Input	120-277VAC or 220-240VAC 347-480VAC
PF	>0.95
THD	<20%
L85	>200,000H/>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-160lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 90
IP Rating	IP67
SPD	Optional
DALI	Optional
1-10V	Optional
Photocell	Optional
Smart Control	Optional
Optic (IESNA)	Type II, Type III, Type IV, Type V
Color Options	Grey/Black/Bronze/White

\* Standard



## ORDERING INFORMATION

Example : FLA30-L-T5S-50K-BK-00

MODEL (Nominal Power)			MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC (30W/module)	120-277VAC or 220-240VAC (40W/module)	347-480VAC (40W/module)						
FLA30	FLB40	FLC80*	L	T1M	30K	★BK	00	Bird Spike
FLA60	FLB80	FLC120*		T2M	★40K	GR	Not required	
FLA90	FLB120	FLC160*		T3M	★50K	BZ	01	10KA/20KA Surge Protection Device
FLA120	FLB160	FLC200*		T3L	57K	WH	Photocell	
FLA150	FLB200	FLC240*		T4S			02	
FLA180	FLB240	FLC280*		T4M			Motion Sensor	Back Light Shield
FLA210	FLB280	FLC320*		T5U			03	
FLA240	FLB320			T5V			Photocell	Safety Cable
FLA270				T5W			+	
FLA300				T5S			Motion Sensor	
				T5M			04	
				T5L			DALI	
				T5X			05	
				T5D			1-10V dimming	

\* 1-10V dimming unavailable

★ Regularly stocked item

# LED AREA LIGHT

ARS



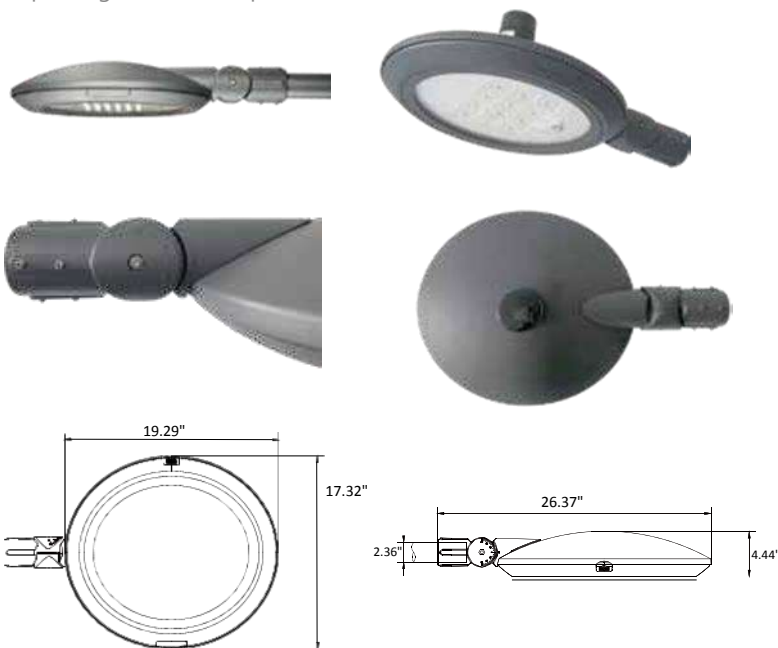
## FEATURES & BENEFITS

- High lumen output and high mounting height solution.
- Slim & low profile design that minimizes wind load.

## CERTIFICATIONS



ARS area light is perfect for outdoor area lighting, providing significant energy and maintenance savings while improving illumination performance.



## TECHNICAL PARAMETERS

Power	20W-100W
Input	AC 90-305V or AC 220-240V
PF	>0.95 cos
L85	Up to 100,000 hrs
Operating Temperature	-31F- 122F
Efficacy	143lm/W
ANSI CCT	3000K/4000K/Amber
Min CRI	70* or 80
IP Rating	IP66
Timing	Optional
DALI	Optional
1-10V	Optional
PWM	Optional
Optic (IESNA)	Type II, Type III, Type IV
Color Options	Black (*Other colors up on request)

## ORDERING INFORMATION

- \* Standard
- \* Regularly stocked item

Example : ARS20W-SL4T2-30K-BK-00

MODEL (Nominal Power)	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL
120-277VAC or 220-240VAC				
ARS20W	SL4T2	★ 30K	★ BK	00
ARS30W	SL4T3	★ 40K	* Other colors available	Not required
ARS40W	SL4T4	★ Amber		01
ARS50W	SH4T2	* Other colors available		Motion Sensor
ARS60W	SH4T3			04
ARS70W				DALI
ARS80W				05
ARS90W				1-10V dimming
ARS100W				

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# LED AREA LIGHT

## SRS Series



### FEATURES & BENEFITS

- High lumen output and high mounting height solution.
- IP 66 Die cast housing
- Sleek low profile design, low EPA rating.
- Corrosion resistant polyester.
- Safety cable.
- Photocell and Motion sensor (optional).
- Captured screw.
- Anti-Condensation Valve.
- Electrical/Control: 100-277VAC and 277-480VAC available.  
Surge protection: - 10kV Standard  
- 20kV Optional

### CERTIFICATIONS

ETL/DLC

SRS series area light is perfect for outdoor area lighting, providing significant energy and maintenance savings while improving illumination performance.

### TECHNICAL PARAMETERS

Power	30-150W
Input	100-277V/277-480V
PF	>0.9
L85	>50,000H
Operating Temperature	-40°F- 104°F
Efficacy	130-140lm/W
ANSI CCT	3000K/4000K/5000K
Min CRI	≥70
LED Module IP Rating	IP67
SPD	Optional
Motion sensor	Optional
Photocell	Optional
Optic (IESNA)	Type II, Type III, Type IV, Type V
Color Options	Dark Bronze/Grey/Black/White

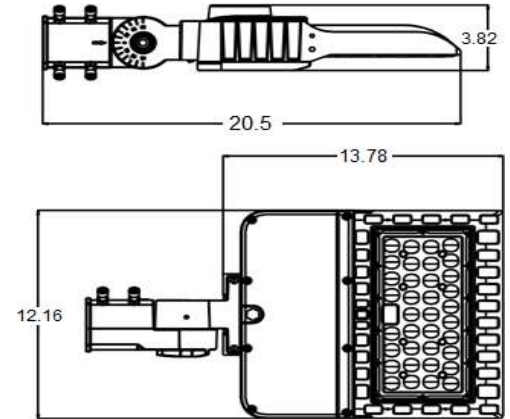
### ORDERING INFORMATION

Example : SRS-40W-A-DAM-2-30K-BZ-00

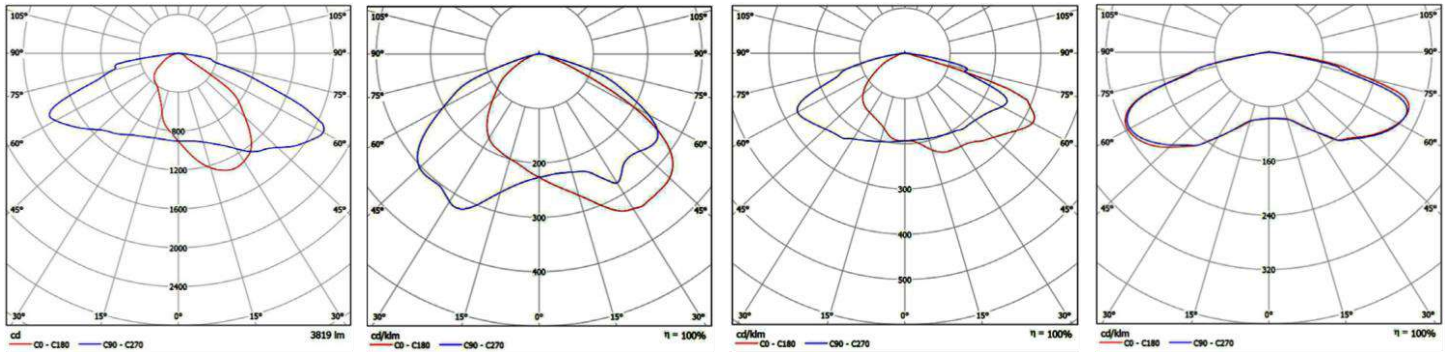
MODEL (Nominal Power)	A/B	MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL
30W	A	DAM-Square pole and 3.93in	2-Type II	30K	★ BZ	00
40W	100-277V	round pole	3-Type III	40K	GR	Not required
80W	B	SLI- Slip Fitter	4-Type IV	50K	BLK	01
100W	277-480V	TRU- Trunnion	5-Type V		WH	Photocell
120W	C	U- U Bracket				02
150W	12-24V					Motion Sensor

## Product parameters

<b>Model</b>	<b>SRS Series</b>
<b>Net Weight</b>	5.2kg/ 11.46lb
<b>Gross Weight</b>	6.2kg/ 13.66lb
<b>Product Dimension</b>	520.7*308.9*97.1(mm) 20.5*12.16*3.82(in)
<b>EPA</b>	0.36



## Photometric



Type2

Type3

Type4

Type5

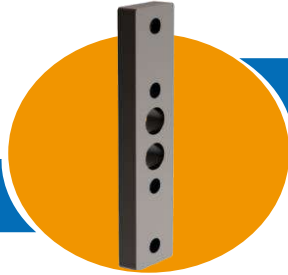
## Effective Projected Area

EPA(Sq.Ft.)	Configuration	Weight(Lbs.)
0.36	1	11.46
0.72	2@180	22.92
0.62	2@90	22.92
0.98	3@90	34.38
0.87	3@120	34.38
0.98	4@90	45.84

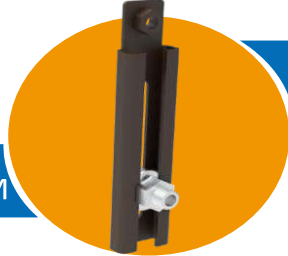


Accessories

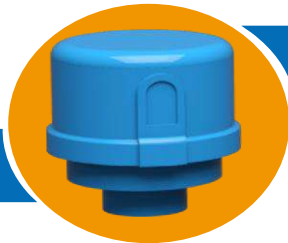
Standard Adaptor For DAM



Adjustable Adaptor For DAM



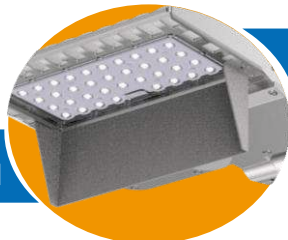
Photocell Optional



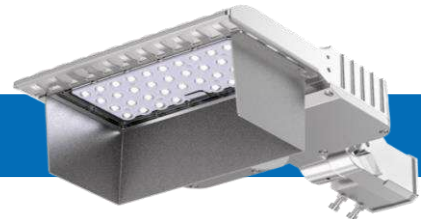
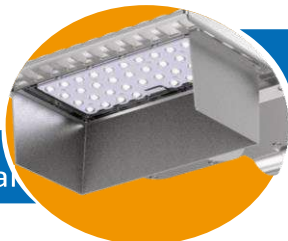
Motion Sensor Optional



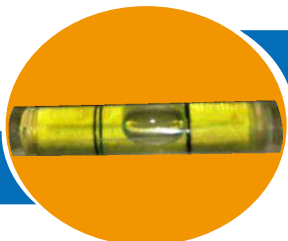
Back Light Shield Optional



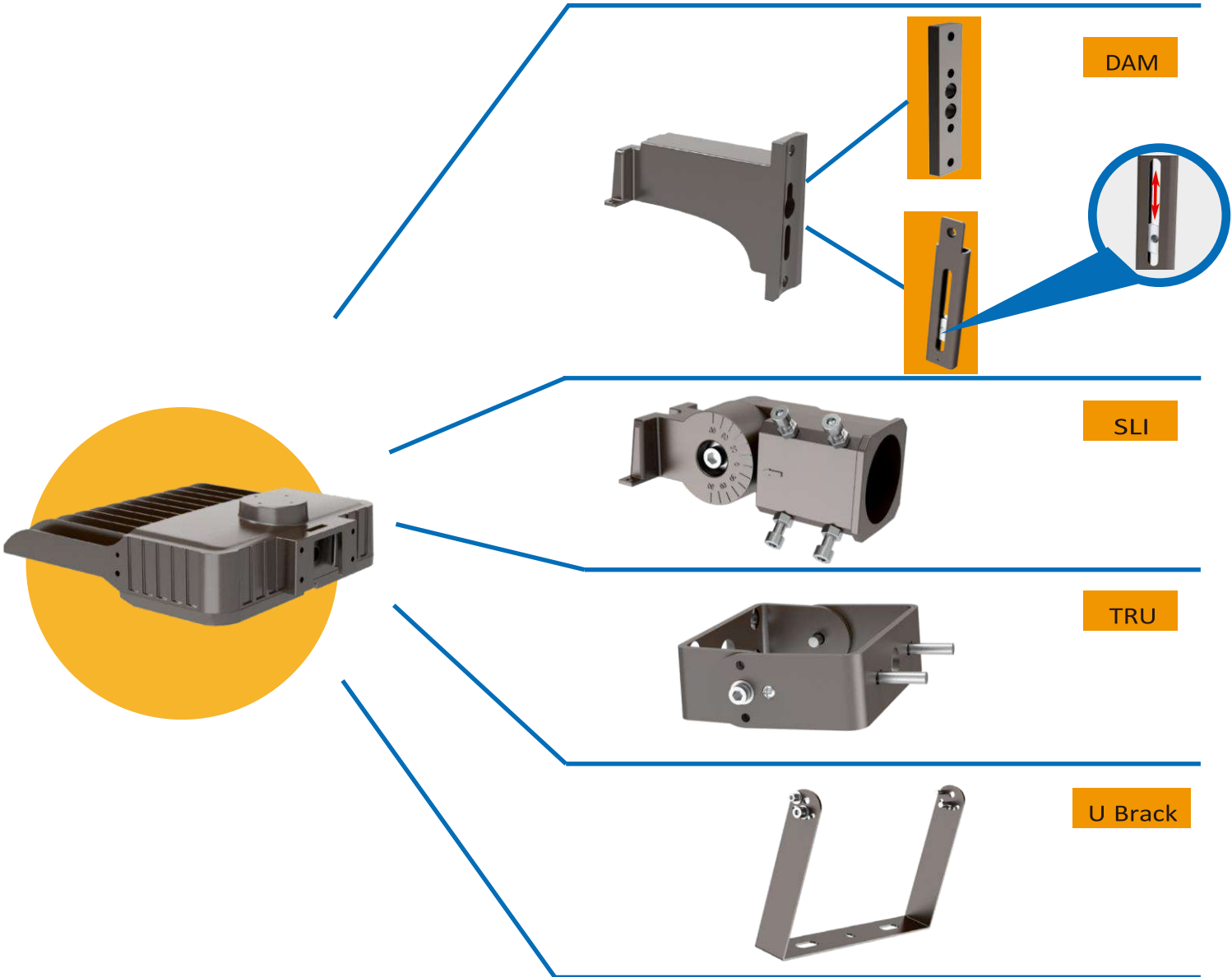
Full light Spill Shield Optional



Level



# Installation Options



# LED AREA LIGHT

## SRL Series



SRL series area light is perfect for outdoor area lighting, providing significant energy and maintenance savings while improving illumination performance.

## FEATURES & BENEFITS

- High lumen output and high mounting height solution.
- IP 66 Die cast housing
- Sleek low profile design, low EPA rating.
- Modular design, easy for installation, replacement and maintenance.
- Compartment release for wiring and service..
- Photocell and Motion sensor (optional).
- Mounting: 2.36 in standard mounting diameter.  
11 kinds of mounting options.
- Anti-Condensation Valve.
- Electrical/Control: 100-277VAC and 277-480VAC available.  
Surge protection: - 10kV Standard  
- 20kV Optional

## CERTIFICATIONS

ETL/DLC

## TECHNICAL PARAMETERS

Power	60-150W
Input	100-277V/277-480V
PF	>0.9
L85	>50,000H
Operating Temperature	-40°F- 104°F
Efficacy	140-160lm/W
ANSI CCT	3000K/4000K/5000K
Min CRI	≥70
LED Module IP Rating	IP66
SPD	Optional
Motion sensor	Optional
Photocell	Optional
Optic (IESNA)	Type II, Type III, Type IV, Type V
Color Options	Dark Bronze/Grey/Black/White

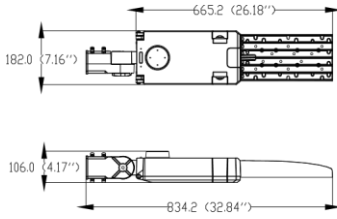
## ORDERING INFORMATION

Example :SRL-60W-A-SLA-2-30K-BZ-00

Model (Nominal Power)	A/B	MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL
60W	A	SRA- 2.36 in Round Tenon	2-Type II	30K	★ BZ	00
80W	100-277V	SRB- 1.57in Round Tenon	3-Type III	40K	GR	Not required
100W	B	SRC- 1.96in Round Tenon	4-Type IV	50K	BLK	01
120W	277-480V	SRD- Square pole	5-Type V		WH	Photocell
150W	C	SRE- 3.93in Round pole				02
	12-24V	TRU- Trunnion				Motion Sensor
		SHA- 2.36in Round Tenon				03
		SHB- 1.57in Round Tenon				Smart Control
		SHC- 1.96in Round Tenon				
		SHD- Square and Round pole				
		SHE- Square and Round pole				

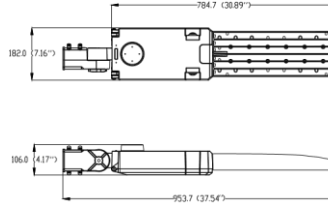
## Product parameters

### Model 60/80/100



<b>Net Weight</b>	7.5kg/16.5lb
<b>Gross Weight</b>	8.7kg/19.2lb
<b>EPA</b>	0.63
<b>Product Dimension</b>	834.2*182*106(mm) 32.84*7.16*4.17(in)
<b>Carton Dimension</b>	965*305*215(mm) 38.0*12.0*8.5(in)

### Model 120/150



<b>Net Weight</b>	8.5kg/18.7lb
<b>Gross Weight</b>	9.9kg/21.8lb
<b>EPA</b>	0.7
<b>Product Dimension</b>	953.7*182*106(mm) 37.54*7.16*4.17(in)
<b>Carton Dimension</b>	1085*305*215(mm) 42.7*12.0*8.5(in)

### EPA(Sq.Ft.) Configuration Weight (Lbs)

0.63	1	16.5
1.26	2@180	33.0
0.82	2@90	33.0
1.44	3@90	49.5
1.26	3@120	49.5
1.44	4@90	66.0

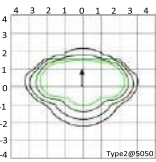
### EPA(Sq.Ft.) Configuration Weight (Lbs)

0.7	1	18.7
1.4	2@180	37.4
0.88	2@90	37.4
1.58	3@90	56.1
1.38	3@120	56.1
1.58	4@90	74.8

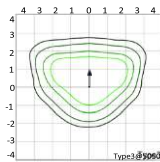
## Photometric

### LEGEND

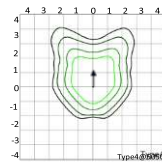
- 0.1 fc
- 0.2 fc
- 0.5 fc
- 1.0 fc



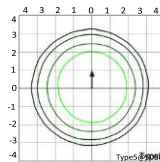
Type2



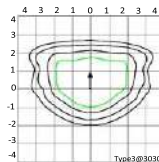
Type3



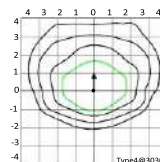
Type4



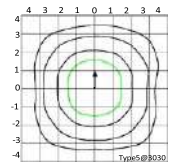
Type5



Type3

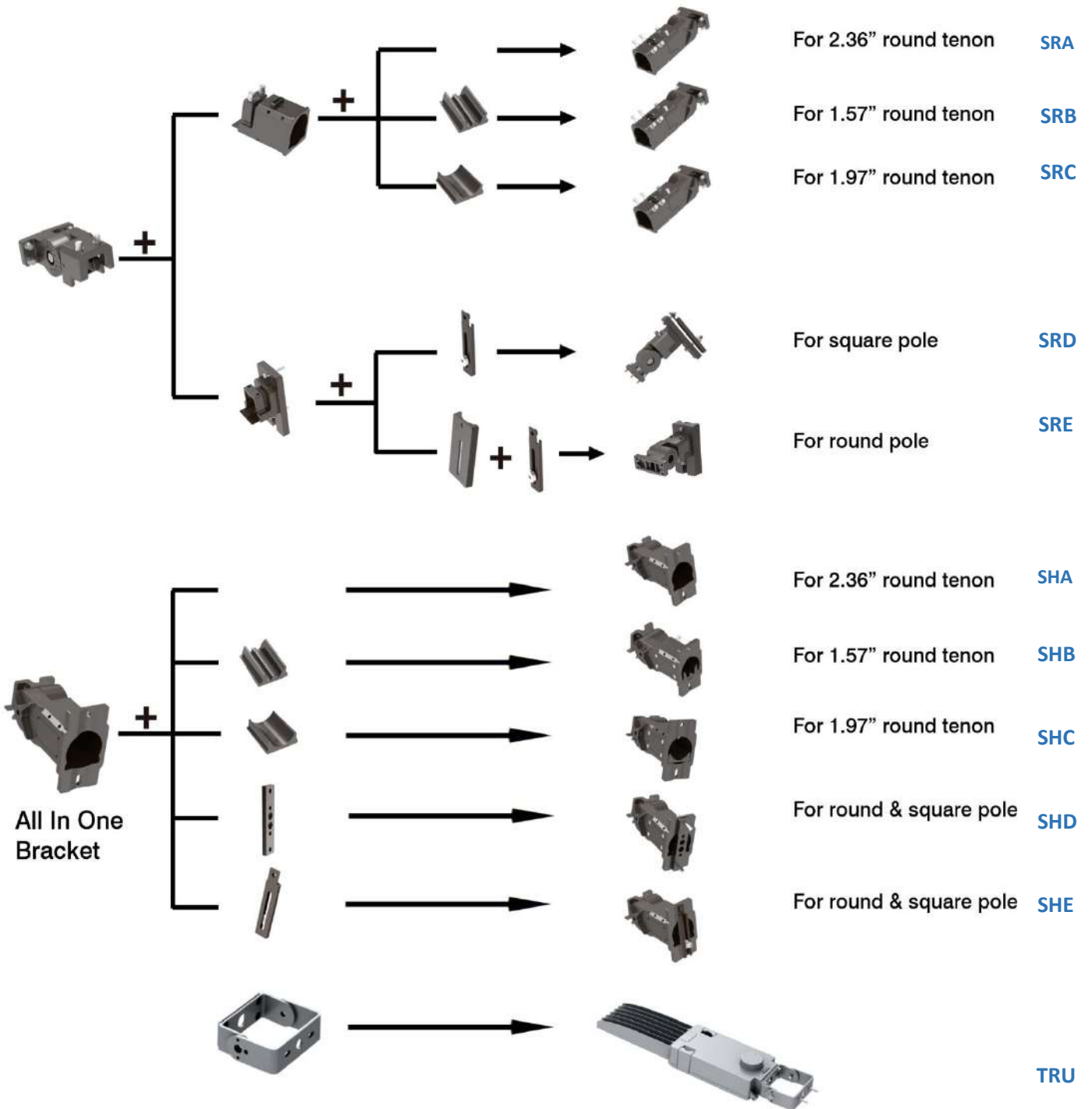


Type4



Type5

## Installation Bracket Options





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## Accessories

**Photocell**



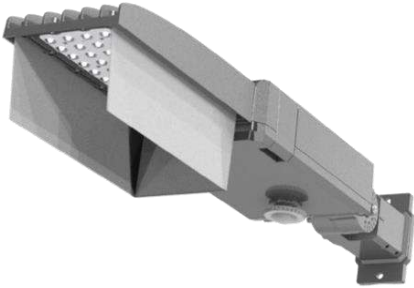
**Motion Sensor**



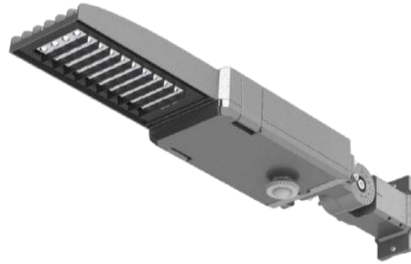
**Intelligent Controller**



## Light Shield



**Full light Spill Shield**



**Back Light Control**

# LED FLOOD LIGHT

## GAMA-U Series



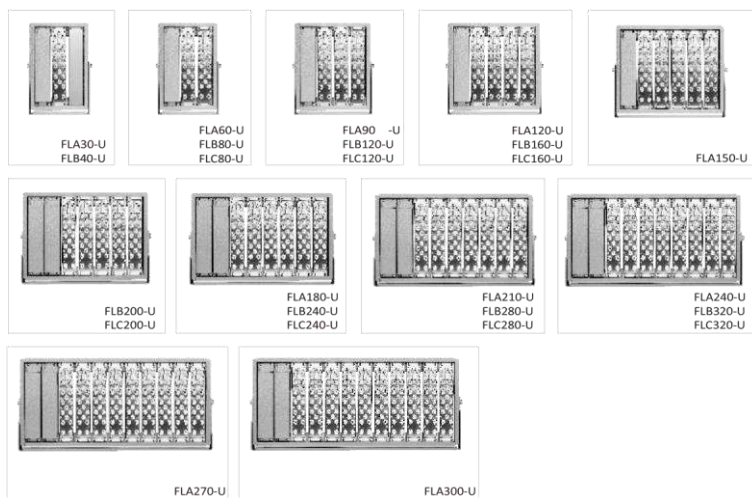
### FEATURES & BENEFITS

- Modular design allows for easy installation, replacement and maintenance. This design also creates a chimney effect which provides exceptional thermal management.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Over 15 optical lenses are available for virtually any application.
- Extremely flexible with full 360 degree rotation.
- Interchangeable with the other GAMA Series with a bracket change.
- Multiple smart lighting control options are available, e.g. photocell, motion sensor, DALI, 1-10V.

### CERTIFICATIONS

UL/ CUL/ DLC/ LM79/ SAA/ ENEC/ CB/ CE/ ErP/ RoHS/ IK08

The GAMA-U fixture is a versatile LED solution with full 360 degree rotation, providing exacting illumination performance, available in a wide range of power levels to suit your requirements.



### TECHNICAL PARAMETERS

Power	30- 320W
Input	120-277VAC or 220-240VAC or 347-480VAC
PF	>0.95
THD	<20%
L85	>200,000H/>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-160lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 90
IP Rating	IP67
SPD	Optional
DALI	Optional
1-10V	Optional
Photocell	Optional
Smart Control	Optional
Optic (IESNA)	Type I, Type II, Type III, Type IV, Type V
Color Options	Grey/Black/Bronze/White

### ORDERING INFORMATION

Example : FLA30-U-T1M-50K-GR-03

MODEL (Nominal Power)			MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC (30W/module)	120-277VAC or 220-240VAC (40W/module)	347-480VAC (40W/module)						
FLA30	FLB40	FLC80*	U	T1M	30K	★ BK GR BZ WH	00	Bird Spike
FLA60	FLB80	FLC120*		T2M	★ 40K		Not required	
FLA90	FLB120	FLC160*		T3M	★ 50K		01	10KA/20KA Surge Protection Device
FLA120	FLB160	FLC200*		T3L	★ 57K	Photocell		
FLA150	FLB200	FLC240*		T4S		02	Back Light Shield	
FLA180	FLB240	FLC280*		T4M		Motion Sensor		
FLA210	FLB280	FLC320*		T5U		03	Safety Cable	
FLA240	FLB320			T5V		Photocell		
FLA270				T5W		+		
FLA300				T5S		Motion Sensor		
				T5M		04		
				T5L		DALI		
				T5X		05		
				T5D		1-10V dimming		

\* DALI & Motion sensor unavailable

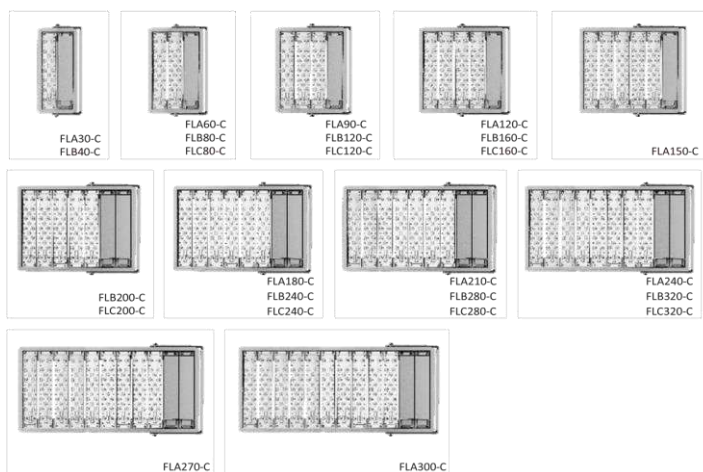
★ Regularly stocked item

# LED FLOOD LIGHT

## GAMA-C Series



The GAMA-C provides great flexibility with trunion mount bracket, offering unrivalled reliability and performance with advanced LED technology.



## FEATURES & BENEFITS

- Modular design allows for easy installation, replacement and maintenance. This design also creates a chimney effect which provides exceptional thermal management.
- Die cast aluminum housing.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Over 15 optical lenses are available for virtually any application.
- Interchangeable with the other GAMA Series with a bracket change.
- Multiple smart lighting control options are available, e.g. photocell, motion sensor, DALI, 1-10V.

## CERTIFICATIONS

UL/ CUL/ DLC/ LM79/ SAA/ ENEC/ CB/ CE / ErP/ RoHS/ IK08

## TECHNICAL PARAMETERS

Power	30- 320W
Input	120-277VAC or 220-240VAC or 347-480 VAC
PF	>0.95
THD	<20%
L85	>200,000H/>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-160lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 90
IP Rating	IP67
SPD	Optional
DALI	Optional
1-10V	Optional
Photocell	Optional
Smart Control	Optional
Optic (IESNA)	Type I, Type II, Type III, Type IV, Type V
Color Options	Grey/Black/Bronze/White

## ORDERING INFORMATION

Example : FLA30-C-T1M-50K-GR-03

MODEL (Nominal Power)			MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC (30W/module)	120-277VAC or 220-240VAC (40W/module)	347-480VAC (40W/module)						
FLA30	FLB40	FLC80*	C	T1M	30K	★ BK GR BZ WH	00	Bird Spike
FLA60	FLB80	FLC120*		T2M	★ 40K		Not required	10KA/20KA Surge Protection Device
FLA90	FLB120	FLC160*		T3M	★ 50K		01	
FLA120	FLB160	FLC200*		T3L	57K	02	Photocell	
FLA150	FLB200	FLC240*		T4S		03	Motion Sensor	Back Light Shield
FLA180	FLB240	FLC280*		T4M		04	Photocell	Safety Cable
FLA210	FLB280	FLC320*		T5U		05	Photocell + Motion Sensor	
FLA240	FLB320			T5V			1-10V dimming	
FLA270				T5W				
FLA300				T5S				
				T5M				
				T5L				
				T5X				
				T5D				

\* DALI & Motion sensor unavailable

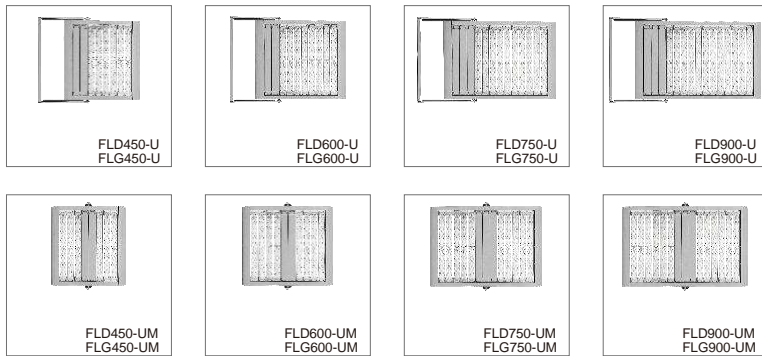
★ Regularly stocked item

# FLOOD LIGHT

## AURORA-U Series



As the name implies, the AURORA series is a truly high lumen output solution designed to produce the same illumination performance of existing metal halide lamps at a fraction of the energy cost.



## FEATURES & BENEFITS

- Single-cast aluminum housing enables passive heat dissipation along the entire length of the luminaire.
- Modular design allows for easy installation, replacement and maintenance.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Class II isolation protection.
- 0 and +5 degree of tilting angle adjustment.
- Adjustable for 1 5/8-2 3/8"(42mm-60mm) O.D. Tenon.
- Multiple smart lighting control options are available, e.g. photocell, 1-10V.
- 5 years limited warranty available.

## CERTIFICATIONS

UL/ CUL/ DLC/ LM79/ SAA/ CB/ CE/ RoHS / IK08

## TECHNICAL PARAMETERS

Power	450- 900W
Input	120-277VAC or 220-240VAC or 347-480 VAC
PF	>0.95
THD	<20%
L85	>200,000H/>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-160lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 90
IP Rating	IP67
SPD	Optional
DALI	Optional
1-10V	Optional
Photocell	Optional
Smart Control	Optional
Optic (IESNA)	Type I, Type II, Type III, Type IV, Type V
Color Options	Grey/Black/Bronze/White

\* Standard

## ORDERING INFORMATION

Example : FLD900-U-T5S-50K-GR-00

MODEL (Nominal Power)		MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC (75W/module)	347-480VAC (75W/module)						
FLD450 FLD600 FLD750 FLD900	FLG450* FLG600* FLG750* FLG900*	U UM	T1M T2M T3M T3L T4S T4M TSU TSV TSW TSS TSM TSL TSX TSD	30K ★ 40K ★ 50K 57K	★ BK GR BZ WH	00 Not required 01 Photocell 02 Motion Sensor 03 Photocell + Motion Sensor 04 DALI 05 1-10V dimming	Bird Spike  10KA/20KA Surge Protection Device  Back Light Shield  Safety Cable

\* 1-10V dimming unavailable

★ Regularly stocked item

# LED WALL PACK

## GAMA-W Series



Providing unmatched illumination performance and energy efficiency, the GAMA-W series is a compact yet easy-to-install product with a robust operational life.

### FEATURES & BENEFITS

- Modular design allows for easy installation, replacement and maintenance. This design also creates a chimney effect which provides exceptional thermal management.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Over 15 optical lenses are available for virtually any application.
- Interchangeable with the other GAMA Series with a bracket change.
- High quality LEDs, driver and components, e.g. MOLEX, WAGO connectors.
- Multiple lighting control options are available, e.g. DALI, 1-10V.
- 10 years limited warranty available.

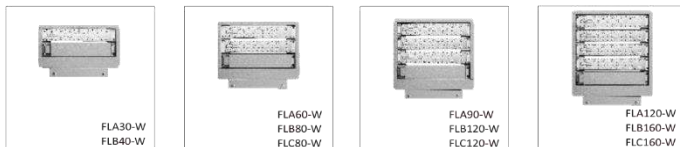
### CERTIFICATIONS

UL/ CUL/ DLC/ LM79/ SAA/ ENEC/ CB/ CE/ ErP/ RoHS/ IK08

### TECHNICAL PARAMETERS

Power	30- 160W
Input	120-277VAC or 220-240VAC or 347-480VAC
PF	>0.95
THD	<20%
L85	>200,000H/>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-160lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 90
IP Rating	IP67
SPD	Optional
DALI	Optional
1-10V	Optional
Photocell	Optional
Smart Control	/
Optic (IESNA)	Type I, Type II, Type III, Type IV, Type V
Color Options	Grey/Black/Bronze/White

\* Standard



FLA30-W  
FLB40-W

FLA60-W  
FLB80-W  
FLC80-W

FLA90-W  
FLB120-W  
FLC120-W

FLA120-W  
FLB160-W  
FLC160-W

### ORDERING INFORMATION

Example : FLA30-W-T3L-50K-GR-00

MODEL (Nominal Power)			MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC (30W/module)	120-277VAC or 220-240VAC (40W/module)	347-480VAC (40W/module)						
FLA30 FLA60 FLA90 FLA120	FLB40 FLB80 FLB120 FLB160	FLC80* FLC120* FLC160*	W	T1M T2M T3M T3L T4S T4M T5U T5V T5W T5S T5M T5L T5X T5D	30K ★ 40K ★ 50K 57K	★BK GR BZ WH	00 Not required 01 Photocell 02 Motion Sensor 03 Photocell 04 DALI 05 1-10V dimming	Bird Spike  10KA/20KA Surge Protection Device  Back Light Shield  Safety Cable

\* DALI unavailable

★ Regularly stocked item

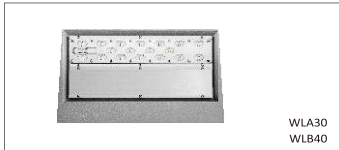


# LED WALL PACK

## GUARD Series



Preserving the traditional wall pack appearance, the GUARD luminaire is an ideal solution for site lighting application, providing exacting illumination performance and precise optical control.



## FEATURES & BENEFITS

- Traditional wall pack appearance with advanced LED system.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Over 20 optical lenses are available for virtually any application.
- High quality LEDs, driver and components, e.g. MOLEX, WAGO connectors.
- Multiple lighting control options are available, e.g. DALI, 1-10V.
- Emergency Power Supply (EPS) available.
- 10 years limited warranty available.

## CERTIFICATIONS

UL/ CUL/ DLC/ LM79/ CB/ CE/ RoHS/ IK08

## TECHNICAL PARAMETERS

Power	30- 80W
Input	120-277VAC or 220-240VAC or 347-480 VAC
PF	>0.95
THD	<20%
L85	>200,000H/>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-160lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 90
IP Rating	IP65
SPD	Optional
DALI	Optional
1-10V	Optional
Photocell	Optional
Smart Control	Optional
Optic (IESNA)	Type I, Type II, Type III, Type IV, Type V
Color Options	Black/Grey/Bronze/White

## ORDERING INFORMATION

Example : WLB80-T5S-50K-GR-00

MODEL (Nominal Power)		MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC	347-480VAC						
WLA30 WLB40 WLA60 WLB80	WLB80H**	/	T1M T2M T3M T3L T4S T4M T5U T5V T5W T5S T5M T5L T5X T5D	30K ★ 40K ★ 50K 57K	★ BZ GR BK WH	00 Not required 01 Photocell 04 DALI 05 1-10V dimming	10KA/20KA Surge Protection Device  Back Light Shield  Safety Cable  Emergency Power Supply (EPS)

\* DALI unavailable

\*\* 1-10V dimming & DALI & Motion sensor unavailable

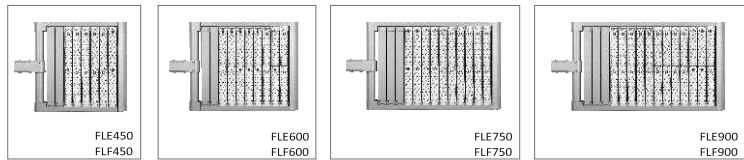
★ Regularly stocked item

# LED AREA LIGHT

## AURORA-L Series



AURORA-L series area light is perfect for outdoor area lighting, providing significant energy and maintenance savings while improving illumination performance.



## FEATURES & BENEFITS

- High lumen output and high mounting height solution.
- Slim & low profile design that minimizes wind load.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Over 15 optical lenses are available for virtually any application.
- Adjustable arm that mounts to a horizontal or vertical 2 3/8" (60mm) O.D. tenon.
- Tenon length must be a minimum of 4.72" (120mm).
- -60--+30 degree or -90--+0 degree of adjustment for leveling when horizontally mounted.
- 10 years limited warranty available.

## CERTIFICATIONS

UL/ CUL/ DLC/ LM79/ SAA/ CB/ CE/ RoHS / IK08

## TECHNICAL PARAMETERS

Power	450- 900W
Input	120-277VAC or 220-240VAC or 347-480 VAC
PF	>0.95
THD	<20%
L85	>200,000H/>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-160lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 90
IP Rating	IP67
SPD	Optional
DALI	Optional
1-10V	Optional
Photocell	Optional
Smart Control	Optional
Optic (IESNA)	Type I, Type II, Type III, Type IV, Type V
Color Options	Grey/Black/Bronze/White

\* Standard

## ORDERING INFORMATION

Example : FLE900-L-T5S-50K-GR-00

MODEL (Nominal Power)		MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC (75W/module)	347-480VAC (75W/module)						
FLE450	FLF450*	L	T1M	30K	★ BK	00	Bird Spike
FLE600	FLF600*		T2M	★ 40K	GR	Not required	
FLE750	FLF750*		T3M	★ 50K	BZ	01	10KA/20KA Surge Protection Device
FLE900	FLF900*		T3L	57K	WH	Photocell	
			T4S			02	
			T4M			Motion Sensor	Back Light Shield
			T5U			03	
			T5V			Photocell	Safety Cable
			T5W			+	
			T5S			Motion Sensor	
			T5M			04	
			T5L			DALI	
			T5X			05	
			T5D			1-10V dimming	

\* 1-10V dimming unavailable

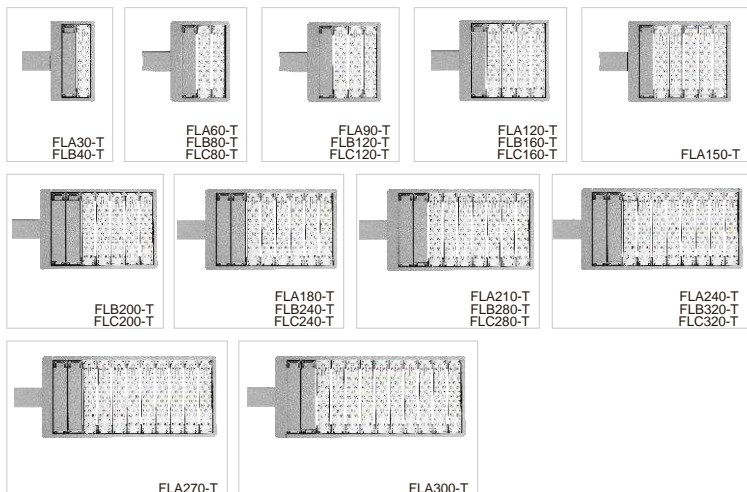
★ Regularly stocked item

# LED AREA LIGHT

## GAMA-T Series



GAMA-T is highly suitable for carparks and shop fronts where direct lighting is required. A simple yet functional modular design, combined with the right lens type, will improve lighting proficiency.



## FEATURES & BENEFITS

- Shoe box appearance with advanced LED system.
- Modular design allows for easy installation, replacement and maintenance.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Interchangeable with the other GAMA Series with a bracket change.
- Multiple lighting control options are available, e.g. DALI, 1-10V.
- 10 years limited warranty available.

## CERTIFICATIONS

UL/ CUL/ DLC/ LM79/ SAA/ ENEC / CB/ CE/ ErP/ RoHS/ IK08

## TECHNICAL PARAMETERS

Power	30-320W
Input	120-277VAC or 220-240VAC or 347-480 VAC
PF	>0.95
THD	<20%
L85	>200,000H/>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-160lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 90
IP Rating	IP67
SPD	Optional
DALI	Optional
1-10V	Optional
Photocell	Optional
Smart Control	Optional
Optic (IESNA)	Type I, Type II, Type III, Type IV, Type V
Color Options	Grey/Black/Bronze/White

\* Standard

## ORDERING INFORMATION

Example : FLA30-T-T5S-50K-BK-00

MODEL (Nominal Power)			MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC (75W/module)	347-480VAC (75W/module)	347-480VAC (40W/module)						
FLA30	FLB40	FLC80*	T	T1M	30K	★ BK	00	Adaptor Bracket
FLA60	FLB80	FLC120*		T2M	★ 40K	GR	Not required	
FLA90	FLB120	FLC160*		T3M	★ 50K	BZ	01	3/5/7-pin NEMA Receptacle
FLA120	FLB160	FLC200*		T3L	57K	WH	Photocell	
FLA150	FLB200	FLC240*		T4S			02	
FLA180	FLB240	FLC280*		T4M			Motion Sensor	10KA/20KA Surge Protection Device
FLA210	FLB280	FLC320*		T5U			03	
FLA240	FLB320			T5V			Photocell	
FLA270				T5W			+	Safety Cable
FLA300				T5S			Motion Sensor	
				T5M			04	
				T5L			DALI	
				T5X			05	
				T5D			1-10V dimming	

\* 1-10V dimming unavailable

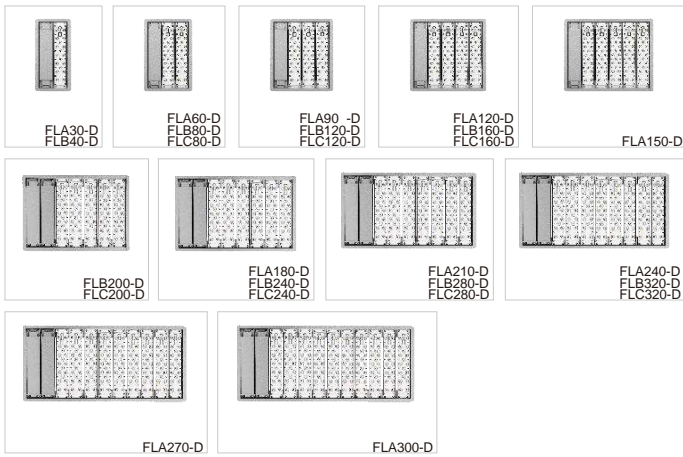
★ Regularly stocked item

# CANOPY LIGHT

## GAMA-D Series



GAMA-D is an ideal solution for surface mount or suspended installations with modular and a low-profile design delivering high-efficacy lighting.



## FEATURES & BENEFITS

- Modular design allows for easy installation, replacement and maintenance.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Over 15 optical lenses are available for virtually any application.
- Surface mount.
- 3/4" pendent rod option available.
- Interchangeable with the other GAMA Series with a bracket change.
- Multiple smart lighting control options are available, e.g. photocell, motion sensor, DALI, 1-10V.
- 10 years limited warranty available.

## CERTIFICATIONS

UL/ CUL/ DLC/ LM79/ SAA/ ENEC/ CB/ CE/ ErP/ RoHS/ IK08

## TECHNICAL PARAMETERS

Power	30- 320W
Input	120-277VAC or 220-240VAC or 347-480VAC
PF	>0.95
THD	<20%
L85	>200,000H/>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-160lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 90
IP Rating	IP67
SPD	Optional
DALI	Optional
1-10V	Optional
Photocell	Optional
Smart Control	Optional
Optic (IESNA)	Type I, Type II, Type III, Type IV, Type V
Color Options	Grey/Black/Bronze/White

\* Standard

## ORDERING INFORMATION

Example : FLA30-W-T3L-50K-GR-00

MODEL (Nominal Power)			MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC (30W/module)	120-277VAC or 220-240VAC (40W/module)	347-480VAC (40W/module)						
FLA30	FLB40	FLC80*	D	T1M	30K	★BK	00	G3/4 Pendant Rod
FLA60	FLB80	FLC120*		T2M	★40K	GR	Not required	10KA/20KA Surge Protection Device
FLA90	FLB120	FLC160*		T3M	★50K	BZ	01	
FLA120	FLB160	FLC200*		T3L	57K	WH	Photocell	
FLA150	FLB200	FLC240*		T4S			02	Back Light Shield
FLA180	FLB240	FLC280*		T4M			Motion Sensor	Safety Cable
FLA210	FLB280	FLC320*		T5U			03	
FLA240	FLB320			T5V			Photocell	Emergency Power Supply (EPS)
FLA270				T5W			04	
FLA300				T5S			DALI	
				T5M			05	
				T5L			1-10V dimming	
				T5X				
				T5D				

\* DALI unavailable

★ Regularly stocked item

# CANOPY LIGHT

## ENYA Series



When compared to similar LED solutions in a canopy application, the ENYA fixture stands out from the crowd with its unique design which significantly reduces labor and maintenance cost.

### FEATURES & BENEFITS

- Die cast aluminum housing.
- Modular design allows for easy installation, replacement and maintenance.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Precision lens system provides optimized illumination for intended area.
- High quality LEDs, driver and components, e.g. MOLEX, WAGO connectors.
- Multiple lighting control options are available, e.g. DALI, 1-10V.
- 10 years limited warranty available.

### CERTIFICATIONS

CB/ CE/ IK08

### TECHNICAL PARAMETERS

Power	60- 160W
Input	120-277VAC or 220-240VAC or 347-480VAC
PF	>0.95
THD	<20%
L85	>200,000H/>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-160lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 90
IP Rating	IP54
SPD	Optional
DALI	Optional
1-10V	Optional
Photocell	/
Smart Control	/
Optic (IESNA)	Type I, Type II, Type III, Type IV, Type V
Color Options	White

\*Standard



### ORDERING INFORMATION

Example : CAA90-T5S-50K-WH-05

MODEL (Nominal Power)			MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC (30W/module)	120-277VAC or 220- 240VAC (40W/module)	347-480VAC (40W/module)						
CAA60 CAA90 CAA120 CAA150	CAB80 CAB120 CAB160	CAB80H* CAB120H* CAB160H*	-	T1M T2M T3M T3L T4S T4M T5U T5V T5W T5S T5M T5L T5X T5D	30K ★ 40K ★ 50K 57K	★ WH	00 Not required  04 DALI  05 1-10V dimming	10KA/20KA Surge Protection Device  Back Light Shield  Emergency Power Supply (EPS)

\* DALI unavailable

★ Regularly stocked item



# CANOPY LIGHT

## SHINE Series



The SHINE Series, featuring its patented, innovative installation and flush-mount design, is perfectly suitable for gas station lighting or other applicable mounting.



CLA120  
CLB160  
CLA120H  
CLB160H



## FEATURES & BENEFITS

- Ideal solution for gas station lighting application.
- Slim appearance with 25mm thickness.
- Modular design allows for easy installation, replacement and maintenance.
- Precision lens system provides optimized illumination for intended area.
- Flush mount to ceiling to prevent the build-up of dust on the fitting.
- Multiple lighting control options are available, e.g. DALI, 1-10V.
- 10 years limited warranty available.

## CERTIFICATIONS

UL/ CUL/ DLC/ LM79/ CB/ CE/ RoHS/ IK08

## TECHNICAL PARAMETERS

Power	60- 160W
Input	120-277VAC or 220-240VAC or 347-480VAC
PF	>0.95
THD	<20%
L85	>200,000H/>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-160lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 90
IP Rating	IP67
SPD	Optional
DALI	Optional
1-10V	Optional
Photocell	/
Smart Control	/
Optic (IESNA)	Type I, Type II, Type III, Type IV, Type V
Color Options	White

\*Standard

## ORDERING INFORMATION

Example : CLA120-T5S-50K-WH-00

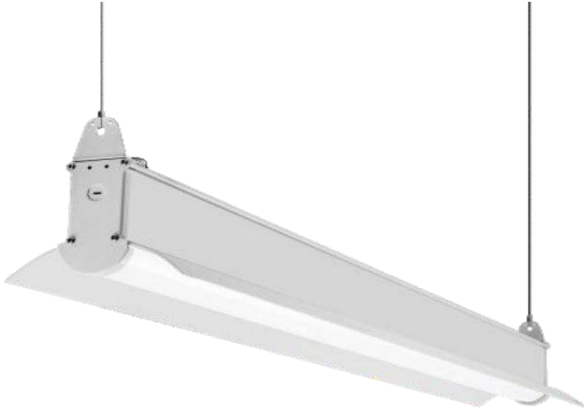
(Nominal Power)		MOUNTING	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC	347-480VAC						
CLA120 CLB160	CLA120H* CLB160H*	-	T1M T2M T3M T3L T4S T4M T5U T5V T5W T5S T5M T5L T5X T5D	30K ★ 40K ★ 50K 57K	★ WH	00 Not required  04 DALI  05 1-10V dimming	10KA/20KA Surge Protection Device  Back Light Shield

\* DALI unavailable

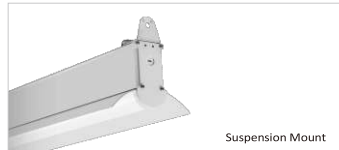
★ Regularly stocked item

# LED LINEAR LIGHT

## BRIGHT-A Series



BRIGHT-A is designed to replace up to 400W HPS lamps. Traditional in appearance while providing unmatched overhead lighting performance and energy savings.



### FEATURES & BENEFITS

- Rugged extruded aluminum housing.
- Double wings enlarge heat dissipation area which provides exceptional thermal management.
- Corrosion resistant polyester powder painted 100µm thickness.
- Surface mount and suspension mount available.
- High quality LEDs, driver and components, e.g. MOLEX, WAGO connectors.
- Multiple lighting control options are available, e.g. motion sensor, 1-10V.
- 5 years limited warranty available.

### CERTIFICATIONS

UL/ CUL/ DLC/ LM79/ CE/ RoHS

### TECHNICAL PARAMETERS

Power	120/160/200W
Input	90-305 VAC
PF	>0.95
THD	<15%
L85	>50,000H
Operating Temperature	-40F- 122F
Efficacy	110-130lm/W
ANSI CCT	3000K/4000K/5000K
Min CRI	80*
IP Rating	IP43
SPD	Optional
DALI	/
1-10V	Optional
Photocell	/
Smart Control	/
Optic (IESNA)	Type V
Color Options	White

\* Standard

### ORDERING INFORMATION

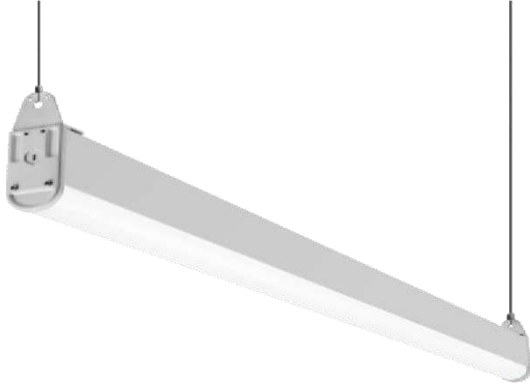
Example : BLA120-T5D-50K-WH-00

MODEL (Nominal Power)	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL
90-305VAC				
BLA120 BLA160 BLA200	T5D	30K 40K ★ 50K	★ WH	00 Not required 02 Motion Sensor 05 1-10V dimming

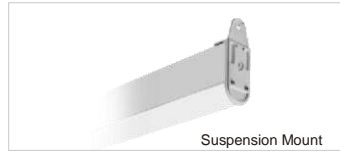
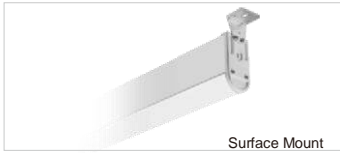
★ Regularly stocked item

# LED LINEAR LIGHT

## BRIGHT-B Series



The BRIGHT-B fixture is an ideal LED solution to Replace existing fluorescent troffers with Multiple mounting options, available in Different power range.



### FEATURES & BENEFITS

- Compact and sleek design.
- Rugged extruded aluminum housing.
- Corrosion resistant polyester powder painted 100µm thickness.
- Surface mount and suspension mount available.
- Multiple units are linkable.
- Multiple lighting control options are available, e.g. motion sensor, 1-10V.
- Emergency Power Supply (EPS) available.
- 5 years limited warranty available.

### CERTIFICATIONS

UL/ CUL/ DLC/ LM79/ CE/ RoHS

### TECHNICAL PARAMETERS

Power	40/60/90W
Input	90-305 VAC
PF	>0.95
THD	<15%
L85	>50,000H
Operating Temperature	-40F- 122F
Efficacy	110-130lm/W
ANSI CCT	3000K/4000K/5000K
Min CRI	80*
IP Rating	IP20
SPD	Optional
DALI	/
1-10V	Optional
Photocell	/
Smart Control	/
Optic (IESNA)	Type V
Color Options	White

\* Standard

### ORDERING INFORMATION

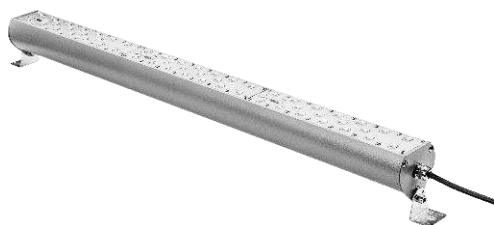
Example : BLB40-T5D-40K-WH-00

MODEL (Nominal Power)	OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL
90-305VAC				
BLB40 BLB60 BLB90	T5D	30K 40K ★ 50K	★ WH	Emergency Power Supply (EPS)

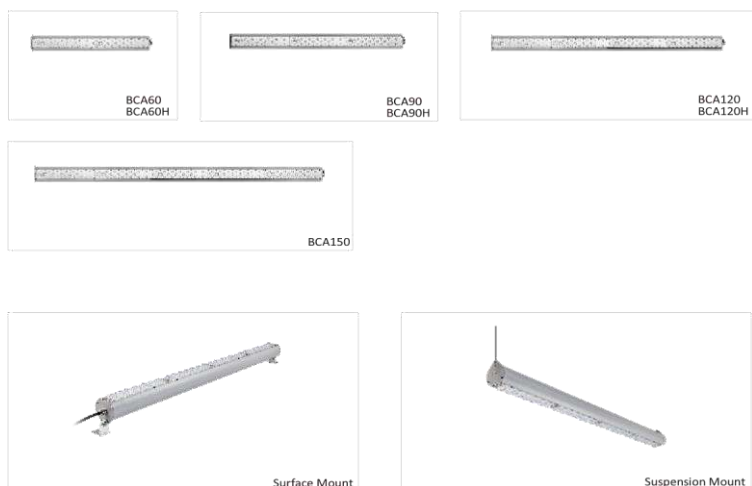
★ Regularly stocked item

# LED LINEAR LIGHT

## EDGE Series



The EDGE series redefines how you think about LED linear lighting. It provides unmatched illumination performance and significant energy savings coupled with modern design elements.



## FEATURES & BENEFITS

- Rugged extruded aluminum housing.
- Modular design allows for easy installation, replacement and maintenance.
- Corrosion resistant polyester powder painted 100µm thickness.
- Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012.
- Over 20 optical lenses are available for virtually any application.
- Surface mount and suspension mount available.
- Multiple units are linkable.
- Multiple lighting control options are available, e.g. motion sensor, DALI, 1-10V.
- 10 years limited warranty available.

## CERTIFICATIONS

UL/ CUL/ DLC/ LM79/ CB/ CE/ RoHS/ IK08

## TECHNICAL PARAMETERS

Power	60-150W
Input	120-277VAC or 220-240VAC or 347-480 VAC
PF	>0.95
THD	<20%
L85	>200,000H>60,000H
Operating Temperature	-40F- 122F
Efficacy	120-160lm/W
ANSI CCT	3000K/4000K/5000K/5700K
Min CRI	70* or 80 or 90
IP Rating	IP67
SPD	Optional
DALI	Optional
1-10V	Optional
Photocell	/
Smart Control	/
Optic (IESNA)	Type I, Type II, Type III, Type IV, Type V
Color Options	Black / Grey

\*Standard

## ORDERING INFORMATION

Example : BCA60-T2M-30K-BK-00

MODEL (Nominal Power)		OPTIC LENS	CCT (ANSI)	OPTIONAL COLOR	LIGHTING CONTROL	ACCESSORY INFO
120-277VAC or 220-240VAC	347-480VAC					
BCA60	BCA60H*	T1M	30K	★ BK	00	Emergency Power Supply (EPS)
BCA90	BCA90H*	T2M	★ 40K	GR	Not required	
BCA120	BCA120H*	T3M	★ 50K		02	10KA/20KA Surge Protection Device
BCA150		T3L	57K		Motion Sensor	
		T4S			04	
		T4M			DALI	
		T5U			05	
		T5V			1-10V dimming	
		T5W				
		T5S				
		T5M				
		T5L				
		T5X				
		T5D				

\*1-10V dimming & DALI & Motion sensor unavailable ★Regularly stocked item



The SPPSS150 portable solar system combines highly efficient solar panels, a solar charger, a power inverter and a Lithium Polymer battery into a robust, waterproof case creating an easy-to-use, 'plug and play' back-up system.

This system is specifically designed for mobile off-grid applications, where space and weight limitations are abundant. The SPPSS150 portable solar system is the perfect system for emergencies providing up to 175 Watt hours of energy. The built-in solar charge controller allows the expansion of an additional 18v solar panel (Max. 70w).

**Technical Specifications** SPPSS150™

**Solar Panels**

<b>Maximum Power</b>	<b>20W</b>
<b>Battery</b>	<b>Lithium Polymer 11.1V, 16Ah</b>
<b>Weight</b>	<b>12.1lbs</b>
<b>Dimension</b>	<b>15.6*12.4*4.2 inches</b>

**Accessories**

<b>AC input</b>	<b>AC 100V~240V Max 100W</b>
<b>DC input</b>	<b>DC 12~ 23V Max 100W</b>
<b>AC output</b>	<b>Max 150w</b>
<b>12V DC Power Plug output</b>	<b>96W</b>
<b>12V DC cigarette socket</b>	<b>96W</b>
<b>DC USB output</b>	<b>10W</b>



LED Flashlight

3W, Lighting & SOS Mode

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The SPPSS350 portable solar system combines highly efficient solar panels, a solar charger, a power inverter and a Lithium Polymer battery into a robust, waterproof case creating an easy-to-use, 'plug and play' back-up system.

This system is specifically designed for mobile off-grid applications, where space and weight limitations are abundant. The SPPSS350 portable solar system is the perfect system for emergencies providing up to 532 Watt-hours of energy. The built-in solar charge controller allows the expansion of an additional 18v solar panel (Max. 70w).

**Technical Specifications** SPPSS350™

**Solar Panels**

<b>Maximum Power</b>	<b>50W (10Wx5)</b>
<b>Battery</b>	<b>Lithium Polymer 12v 48Ah</b>
<b>LED Flashlight</b>	<b>3W, Lighting Mode, SOS mode</b>
<b>Weight</b>	<b>23.5lbs</b>
<b>Dimension</b>	<b>44.2*34.5*14.5 inches</b>

**Accessories**

<b>AC input</b>	<b>100W</b>
<b>DC input</b>	<b>100W</b>
<b>AC output</b>	<b>350W</b>
<b>12V DC Power Plug output</b>	<b>96W</b>
<b>12V DC cigarette socket</b>	<b>96W</b>
<b>DC USB output</b>	<b>10W</b>



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The SPPSS450 portable solar system combines highly efficient solar panels, a solar charger, a power inverter and a Lithium Polymer battery in to a robust, waterproof case creating an easy-to-use, 'plug and play' back-up system.

This system is specifically designed for mobile off-grid applications, where space and weight limitations are abundant. The SPSS450 portable solar system is the perfect system for emergencies providing up to 532 Watt-hours of energy. The built-in solar charge controller allows the expansion of an additional solar panel. The built-in solar charge controller allows the expansion of an additional 18v solar panel (Max. 70w).

Technical Specifications SPPSS450™

Solar Panels

Maximum Power	55W
Battery	Lithium Polymer 11.1V, 48Ah
LED Flashlight	20W Adjustable brightness
Weight	22.7lbs
Dimension	32.6*44.8*14.8 inches

Accessories

AC input	AC 100V-2400V input Max 450W
DC input	DC 13- 23V input Max 100W
LED Flashlight	20W Lighting
AC output	Max 350W
12V DC Power Plug output	96W
12V DC cigarette socket	96W
DC USB output	10W



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## 2SPC-Series™

### Portable and Foldable solar chargers

Foldable, Lightweight, Portable, Easy to use.  
 Beautiful and Fashionable, meet personalized needs.  
 High efficiency, rapid charging, balancing technology.  
 Strong weather ability, wide range of application.



### Application

It can be widely used in business, travel, camping and other outdoor activities, charging power for the mobile, pad, power bank etc. At 5V input of the digital product.



Solar Charging



USB Output



Outdoor Activities

### Technical Specifications

2SPC-8W	2SPC-8W	2SPC-12W	2SPC-18W	2SPC-24W
Flexible	Flexible	Flexible	Flexible	Flexible
Monocrystalline Silicon Solar Panel	Monocrystalline Silicon Solar Panel	Monocrystalline Silicon Solar Panel	Monocrystalline Silicon Solar Panel	Monocrystalline Silicon Solar Panel
Power of Solar Panel	8W	12W	18W	24W
USB Output	5V / 1.5A max	5V / 1.5A max	5V / 1.5A max	5V / 1.5A max
Weight	0.50 lbs	0.68 lbs	1.10 lbs	1.54 lbs
Folded Size (inches)	6.1*7.8*0.5	6.1*7.8*0.5	6.1*11.0*0.9	6.1*11.0*1.0
Expanding Size (inches)	11.8*7.8*0.5	11.8*7.8*0.5	11.8*11.0*0.6	11.8*11.0*0.6



2SPC-8W



2SPC-12W



2SPC-18W



2SPC-24W



Flexible



Lightweight



Thin Thickness



Without Glass



High Efficiency



High Waterproof Grade

## 2SPM-Series™

### Application

It is quite suitable for individual and outdoor activities by supplying solar power to handheld radio, satellite communication devices, Surveying Instruments, etc.

### Advantages

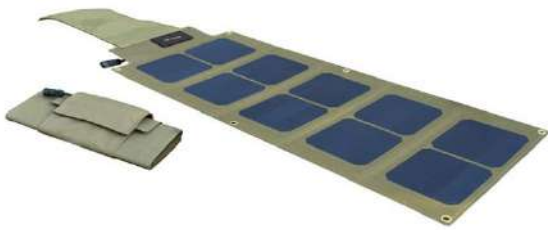
- Flexible, Portable and Lightweight (just 1/5 weight of crystal silicon);
- Anti-acid, Anti-alkali, Anti-corrosion and Anti-aging;
- Waterproof, Moisture proof, High & Low Temperature Resistant;



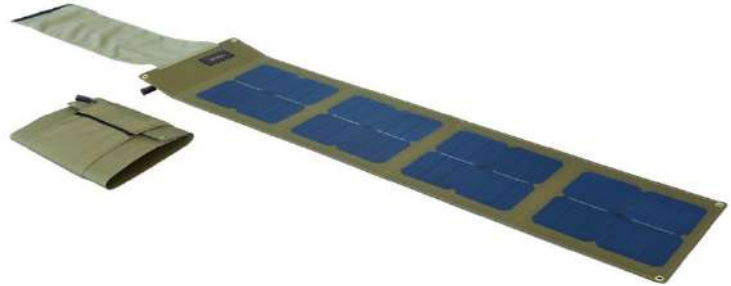
### Waterproof Output & Cloth(Green)

#### Technical Specifications

	2SPM-30W	2SPM-48W
Solar Panel	Flexible Monocrystalline Silicon Solar Panel	Flexible Monocrystalline Silicon Solar Panel
Power of Solar Panel	30W	48W
Output	20V / 1.35A(Waterproof Output)	20V / 2.16A(Waterproof Output)
Weight	1.85 lbs	2.51 lbs
Folded Size (inches)	12.9*6.4*1.7	11.4*12.9*1.7
Expanding Size (inches)	35.4*12.9	50.7*12.9



2SPM-30W



2SPM-48W



Flexible



Lightweight



Thin Thickness Without Glass



High Efficiency



High Waterproof Grade





