



**SolarScape off-grid luminaire** is an all-in-one integrated and cost-effective area lighting solar solution with a high quality of light and reliable performance consisting of a LED light with a solar photovoltaic panel, a Lithium Iron Phosphate battery, and a controller, making it easy to specify, sell, install, and maintain. It comes pre-programmed with an operating profile and a microwave-based motion sensor ready to be turned-on for customers to have a lighting solution in areas where electricity is not available and/or more expensive.

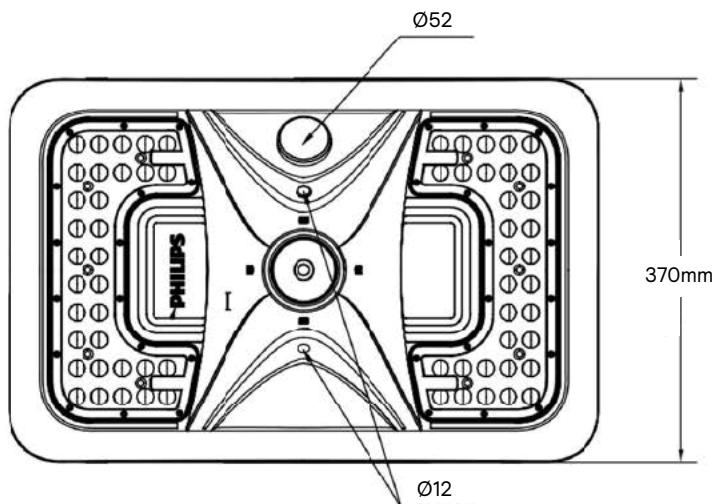
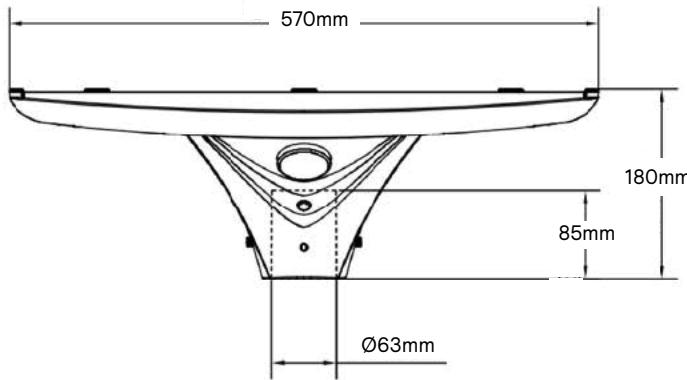
Project:		
Location:		
Cat.No:		
Type:		
Lumens:	Qty:	
Notes:		

### Ordering guide

Catalog Code	Lumen Output	Color	Distribution	Sensor	Finish
BPP750 LED54 WW AIO solar post top	5,415	WW	Batwing	Y	Black (RAL9005)
BPP750 LED37 WW AIO solar post top	3,515	WW	Batwing	Y	Black (RAL9005)
BPP750 LED19 WW AIO solar post top	1,805	WW	Batwing	Y	Black (RAL9005)
BPP750 LED54 NW AIO solar post top	5,500	NW	Batwing	Y	Black (RAL9005)
BPP750 LED37 NW AIO solar post top	3,700	NW	Batwing	Y	Black (RAL9005)
BPP750 LED19 NW AIO solar post top	1,900	NW	Batwing	Y	Black (RAL9005)
BPP750 LED54 CW AIO solar post top	5,500	CW	Batwing	Y	Black (RAL9005)
BPP750 LED37 CW AIO solar post top	3,700	CW	Batwing	Y	Black (RAL9005)
BPP750 LED19 CW AIO solar post top	1,900	CW	Batwing	Y	Black (RAL9005)

1. Silver finish available upon request (RAL9006) with an extended lead time.

### Dimensions



# BPP750 SolarScape

## Off-grid luminaire

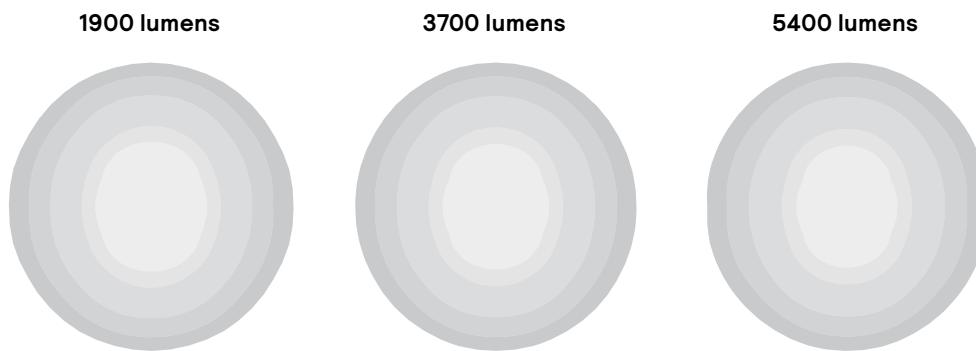
### LED Wattage and Lumen Values

(at 100% with motion sensor activated)

Ordering Code	Color Temperature (CCT)	Average Wattage System	Lumen Output	Efficacy (LPW)
BPP750 LED54 WW	3000K	30W	5415	180
BPP750 LED37 WW	3000K	20W	3515	175
BPP750 LED19 WW	3000K	10W	1805	180
BPP750 LED54 NW	4000K	30W	5,500	183
BPP750 LED37 NW	4000K	20W	3,700	185
BPP750 LED19 NW	4000K	10W	1,900	190
BPP750 LED54 CW	5700K	30W	5,500	183
BPP750 LED37 CW	5700K	20W	3,700	185
BPP750 LED19 CW	5700K	10W	1,900	190

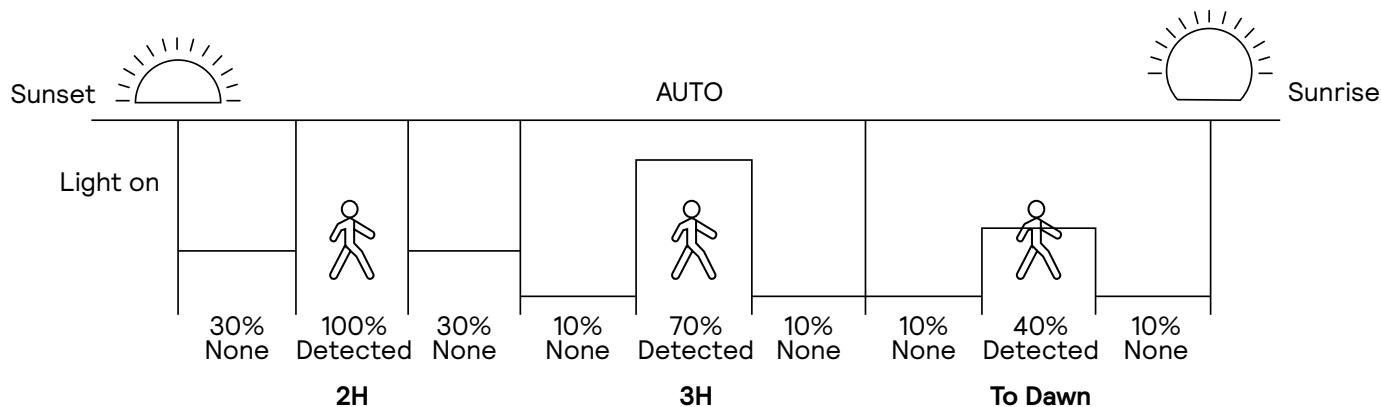
Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.

### Optical Distributions



### Operating Profile

- First 2 hours from dusk, light level is at **30%** if there is no presence detected and **100%** if there is a presence.
- Next 3 hours, light level is at **10%** if there is no presence detected and **70%** if there is a presence.
- Remaining hours to dawn, light level is at **10%** if there is no presence detected and **40%** if there is a presence.



# BPP750 SolarScape

## Off-grid luminaire

### Specifications

Luminaire			
<b>Wattage</b>	1900lm	3700lm	5400lm
	10W	20W	30W
<b>Efficacy (lm/W)</b>	190	190	185
<b>CCT</b>	3000, 4000K, 5700K		
<b>CRI</b>	70		
<b>Optical Distribution</b>	Batwing		
<b>Housing Size (in)</b>	22.44 x 14.6 x 7.1		
<b>Housing Finishes</b>	Black (RAL9005), Silver (RAL9006)		
<b>Housing Material</b>	Die-cast Aluminum		
<b>Bracket</b>	Integrated with housing		
<b>Ingress Protection</b>	IP65		
<b>Impact Protection</b>	IK08		
Battery			
<b>Type</b>	Lithium Iron Phosphate		
<b>Battery Voltage</b>	12.8V		
<b>Battery Capacity</b>	6Ah	12Ah	18Ah
<b>Temperature Range</b>	14 to 131 °F		
Solar Panel			
<b>Type</b>	Mono-Crystalline		
<b>Voltage</b>	18V		
<b>Peak Wattage</b>	35W		

Charge Controller			
<b>Type</b>	MPPT		
<b>Efficiency – Charging</b>	92%		
<b>Efficiency – Discharging</b>	96%		
<b>Field Configurable</b>	No		
External Charger			
<b>Charging Port IPXX</b>	IP65		
<b>Charging Voltage</b>	16~20V		
<b>Charging max current</b>	6A		
Mounting			
<b>Mounting Type</b>	Vertical Post-Top		
<b>Recommended Mounting Height</b>	13 ~ 20 ft		
<b>Outer mounting diameter</b>	2 3/8" (60mm) O.D		
<b>Effective Projected Area (EPA)</b>	0.48 ft <sup>2</sup>		
Product			
<b>Net Weight (lbs)</b>	10.6	12	13.3
<b>Gross Weight (lbs)</b>	14.6	16	17.7
<b>Box Dimensions</b>	25.4 x 17.6 x 9.1"		
<b>Limited Warranty</b>	5 years		



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