

# LUNA Solar LED-streetLight

## Streets - Residential- and District Lighting

The highly efficient **LUNA solar led light** combines the best features of our LUNA SERIES with modern solar technology. Extremely ecologically friendly and power-saving, the LUNA solar led delivers a brilliant natural light with the help of the power of the sun. Different lens systems give the LUNA solar light flexibly for use in street, residential, and neighborhood lighting. The LUNA solar luminaire offers installation options as a pole-mounted or pole-top luminaire. An optionally available high-performance sensor system (HF sensor system and PIR infrared sensor system) detects the movement of pedestrians, bicycles, and vehicles at a maximum distance of 12 meters, thus enables energy-saving use of the luminaire.



### Technical Description

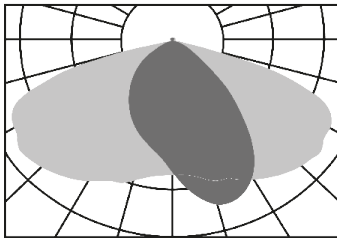
<b>Power consumption:</b>	40 watts	<b>Solar Panel:</b>	100 watts
<b>Permissible operating voltage:</b>	90-305VAC, 50/60Hz	<b>Solar Module:</b>	High Efficiency Monocrystalline Silicon
<b>Permissible ambient temperature:</b>	-30°C up to 50°C	<b>Battery:</b>	LTO 10Ah/144Wh
<b>Switching function:</b>	Eco (on/off)-(Dimming options available upon request)	<b>Stand-by period:</b>	0~500s
<b>Luminous flux:</b>	170lm/W	<b>Stand-by DIM level:</b>	0~100%
<b>Color temperature:</b>	3000K   4000K	<b>Detection area:</b>	8~12m
<b>Color rendering index:</b>	not available	<b>Lighting time:</b>	7 rainy days (fully charged)
<b>Expected lifetime LED:</b>	L80:50.000 h	<b>Pole top diameter:</b>	50~62mm
<b>Degree of protection:</b>	rated IP66		
<b>Electrical protection class:</b>	SK I		
<b>Surge protection:</b>	up to 10kV		
<b>Shock resistance:</b>	not available		
<b>Optical cover LED:</b>	PMMA		
<b>Optics angle:</b>	not available		
<b>Light distributions:</b>	see sketches on next page		
<b>Housing material:</b>	die cast aluminum		
<b>Optical cover/Pane set:</b>	optical glass		
<b>Paintwork:</b>	gray		
<b>Main dimensions:</b>	L 670mm x W 617mm x H 426mm		
<b>Weight:</b>	17,5 kg		
<b>Mounting:</b>	Ø60mm / Ø76mm (spigot)		
<b>Mounting bracket:</b>	Wall brackets on request		
<b>Latern base configuration:</b>	not necessary for this lamp		
<b>Hight above ground level:</b>	7~10m		
<b>Light point spacing:</b>	10~20m		

Due to the complexity of the many possible combinations of drivers and LED modules, the values shown for technical LED parameters, including performance parameters, are typical. Actual values of specific products in specific configurations may vary from these typical values. The information and diagrams contained in this document do not constitute an offer or contractual obligation. Product parameters may change as a result of technical innovation and will be undertaken without prior notice. Our manufacturing conforms to DIN-, EN-, and VDE-, CE regulations.

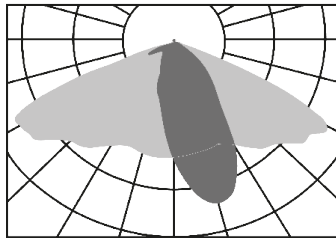
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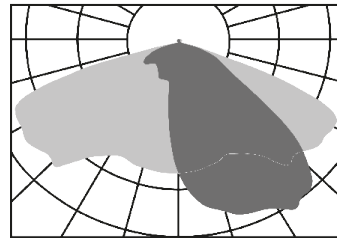
## Possible light distributions:



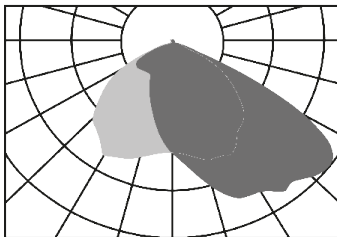
Type II-S



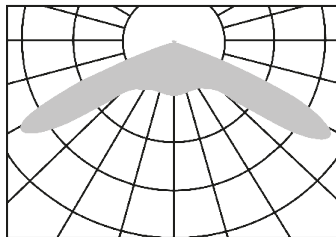
Type II-M



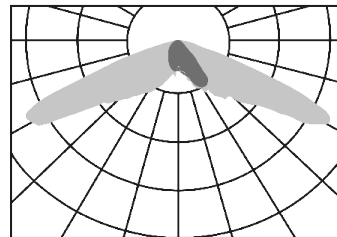
Type III-M



Type IV-M

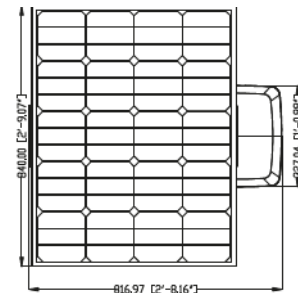
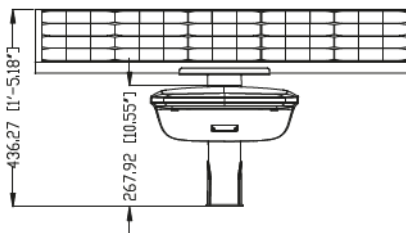
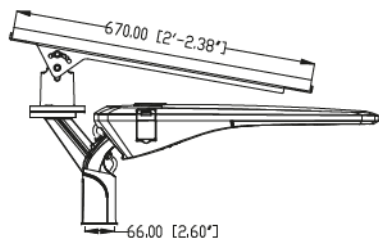


Type V



Type V-A

## Sketches with dimensions:



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