



# SmartBright All-in-one Solar Street Light

## BRP110 LED50/757 G2 Pro

Integrated solar street light with Lithium Ferro Phosphate battery, solar panel and charger built into the luminaire. Independently tilt-able LED source and pole mounting bracket allows light beam to focus on road, and solar panel towards the sun. Microwave based motion sensor for optimizing battery autonomy.

### Product data

General information		Configurability	
Driver included	Yes		Configurable
Optical cover/lens type	Polycarbonate	Mechanical and housing	
Control interface	IR remote	Overall length	562 mm
Warranty period luminaire	5 years	Overall width	363 mm
Material	Aluminum	Overall height	85 mm
Operating and electrical		Approval and application	
Battery type	Lithium Ferro Phosphate	Ingress protection code	IP65 [ Dust penetration-protected, jet-proof]
Battery ampere hour	60 Ah	Mech. impact protection code	IK08 [ 5 J vandal-protected]
Battery voltage	3.2 V	Initial performance (IEC compliant)	
Battery charging & discharging cycles	2000	Initial luminous flux (system flux)	5000 lm
Panel type	Mono crystalline	Init. Corr. Color Temperature	5700 K
Panel voltage	12 V	Init. Color Rendering Index	>70
Panel peak wattage	35 W	Application conditions	
Charge controller type	MPPT	Ambient temperature range	0 to +50 °C
Charge controller wattage	27 W	Ambient temperature range for charging	0 to +50 °C
Controls and dimming		Ambient temperature range for discharging (when light is on)	-10 to +60 °C
Dimmable	Yes		

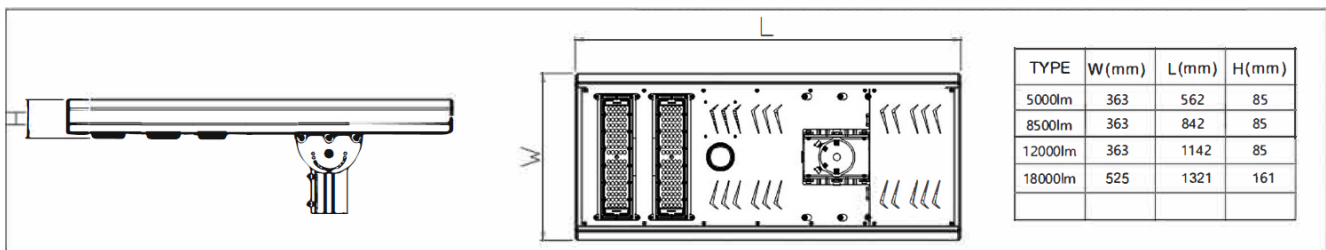
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<b>Autonomy</b>	up to 24 h
<b>Solar dimming profile</b>	First 2 Hrs - On motion : 100%, without motion :30% ; Next 3 Hrs - On motion : 60%, without motion :20% ; Next 6 Hrs On motion : 30%, without motion :10% ; Rest of the Night: On motion : 50%, without motion :30%
<b>Grid connection type</b>	Off grid
<b>Battery location</b>	Inside Luminaire

<b>Order product name</b>	BRP110 LED50/757 G2 Pro
<b>Order code</b>	TBD
<b>Numerator - Quantity Per Pack</b>	1
<b>Numerator - Packs per outer box</b>	1
<b>Material Nr. (12NC)</b>	TBD



## Dimensional drawing



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