



# SmartBright All-in-one Solar Street Light

## BRP110 LED85/757 G2

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	
Driver included	Yes
Optical cover/lens type	Polycarbonate
Control interface	IR remote
Warranty period	3 years
Material	Aluminum

Operating and electrical	
Battery type	Lithium Ferro Phosphate
Battery ampere hour	54 Ah
Battery voltage	6.4 V
Battery charging & discharging cycles	2000
Panel type	Mono crystalline
Panel voltage	14 V
Panel peak wattage	55 W
Charge controller type	MPPT
Charge controller wattage	42 W

Controls and dimming	
Dimmable	Yes

Configurability	Configurable
-----------------	--------------

Mechanical and housing	
Overall length	842 mm
Overall width	363 mm
Overall height	85 mm

Approval and application	
Ingress protection code	IP65 [ Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [ 5 J vandal-protected]

Initial performance (IEC compliant)	
Initial luminous flux (system flux)	8500 lm
Init. Corr. Color Temperature	5700 K
Init. Color Rendering Index	>70

Application conditions	
Ambient temperature range	0 to +50 °C
Ambient temperature range for charging	0 to +50 °C
Ambient temperature range for discharging (when light is on)	-10 to +60 °C

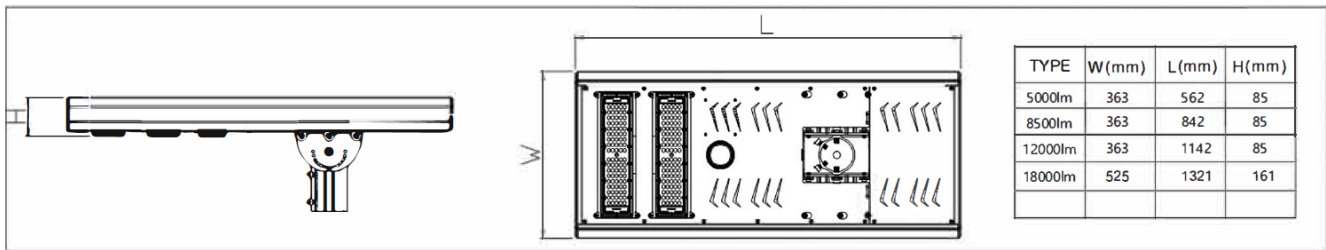
# SmartBright All-in-one Solar Street Light

<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 LED85/757 G2
<b>Order code</b>	911401834002
<b>Numerator - Quantity Per Pack</b>	1
<b>Numerator - Packs per outer box</b>	1
<b>Material Nr. (12NC)</b>	911401834002



## Dimensional drawing



BRP110 LED85/757 G2

