

PHILIPS

Solar Lighting



SmartBright Solar All-in-One Streetlight

BRP110 LED 85/757

Integrated solar street light with Lithium Ferro Phosphate battery, solar panel and charger built into the luminaire. With light control and dimming function, automatic dusk to dawn operation, microwave sensor based movement detection and dim level adjustment luminaire effectively extends the working time. No wiring required and easy to install, no electricity cost and maintenance free.

Product data

General Information

Light source color	Cool white
Driver included	Yes
Optical cover/lens type	Polycarbonate cover

Operating and Electrical

Battery type	Lithium Ferro Phosphate
Battery capacity	>530Wh
Battery voltage	12.8 V
Panel type	Monocrystalline
Panel voltage	18 Vmp
Panel peak wattage	90 Wp
Charge controller type	MPPT (integrated)
Charger efficiency	>90%
Sensor Type	Microwave sensor

Controls and Dimming

Dimmable	Yes
Configurability	Via handheld remote (optional)
Automatic Dusk to dawn detection	Yes

Mechanical and Housing

Housing Material	Body : AL1060/stamping, Housing side frame : AL6063/extrusion, Bracket : CRSS/SPCC, Pole adaptor:AL6063/extrusion
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Overall length	1485 mm
Overall width	380 mm
Overall height	95 mm
Color	Gray

Approval and Application

Ingress protection code	IP65
IK Rating	IK 08
Autonomy	>24 hrs (with fully charged battery)

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	8500 lm
Initial LED luminaire efficacy	140 lm/W
Init. Corr. Color Temperature	5700 K
Init. Color Rendering Index	>70

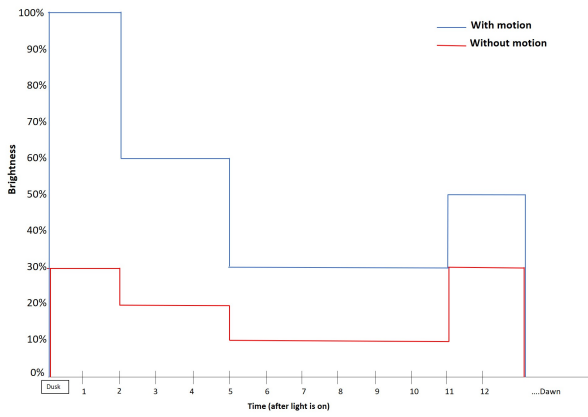
Application Conditions

Ambient temperature range for charging	0 to +45 °C
Ambient temperature range for discharging	-20 to 50 °C

SunStay

Grid connection type	Off grid
Battery location	Inside Luminaire

Solar dimming profile

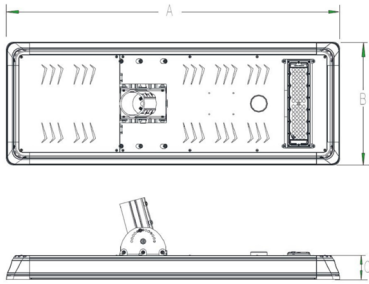


Product Data

Order product name	BRP110 LED85/757
Order code	911401863781
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	911401863781
Net Weight (Piece)	19.65 kg

IP 65

Dimensional drawing



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