

PO29-GP020- - -SO
PowerMission 2 Solar Lighting LED

PROJECT : _____ DATE : _____
 LOCATION : _____
 QUANTITY : _____ NOTE : _____

IP66 ◆/EN 60598/CLASS I ⊕/▽/CE/IK08



Product Description

Street light "PowerMission 2" used on Ligman's solar power system has been designed especially for use with LED's This Luminaire has an excellent integrated fin cooling system, and is available with a selection of light distributions.

Ligman Lighting's Solar Luminaires.

- Simple to install and maintain.
- Green energy and environmentally friendly.
- Reduces operating and energy cost.
- Safe and efficient.
- Integrated Lighting Control System.
- Excellent quality with a selection of light distributions and luminaire designs.

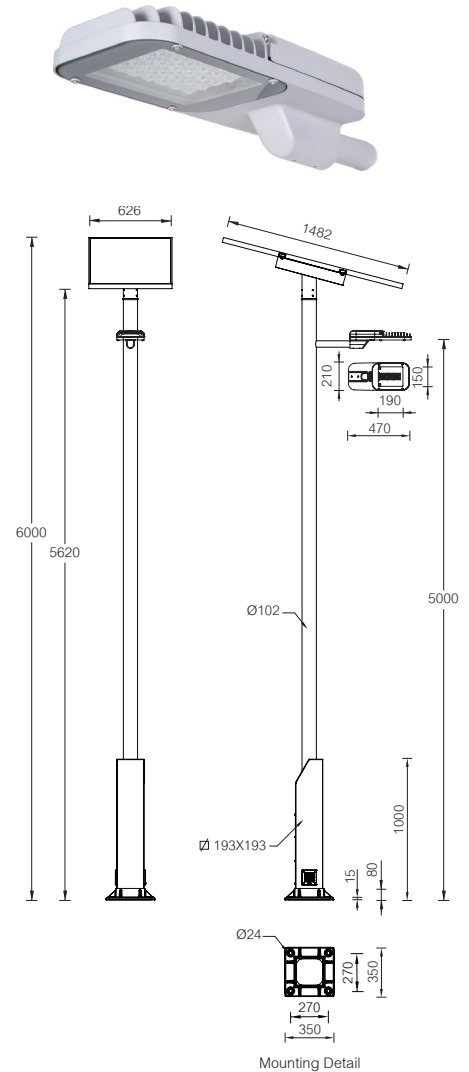
Solar Energy System Information

PowerMission 2	
Number of LED	12 LED
Solar Cells	140 W
Luminance Controlling System	yes
Battery	2x33 Ah
Charging Control System	10 A
Usage time per day	12 hours
*Power reserve	2 days

Note : *Power reserve at 100% luminance 100% and usage 12 hours a day

Ordering Infomation

PO29	GP020	-			SO
Model no.	Lamp Series	Power W	Distribution TYPE	CCT	Solar Lighting
PO29	GP020	20 W	T2 T3 T4	3 - 3000K 4 - 4000K 5 - 5000K 6 - 6000K	SO



System lumen and efficacy

Model no.	No. of LED	Lumen lm	Efficacy lm	CCT	Power	Weight
PowerMission 2 Distribution Type II						
PO29-GP020-T2-3-SO	12 LED	1384 lm	69 lm/w	3000 K	20 W	68 kg.
PO29-GP020-T2-4-SO	12 LED	1474 lm	74 lm/w	4000 K	20 W	68 kg.
PO29-GP020-T2-5-SO	12 LED	1596 lm	80 lm/w	5000 K	20 W	68 kg.
PO29-GP020-T2-6-SO	12 LED	1681 lm	84 lm/w	6000 K	20 W	68 kg.
PowerMission 2 Distribution Type III						
PO29-GP020-T3-3-SO	12 LED	1397 lm	70 lm/w	3000 K	20 W	68 kg.
PO29-GP020-T3-4-SO	12 LED	1488 lm	74 lm/w	4000 K	20 W	68 kg.
PO29-GP020-T3-5-SO	12 LED	1611 lm	81 lm/w	5000 K	20 W	68 kg.
PO29-GP020-T3-6-SO	12 LED	1697 lm	85 lm/w	6000 K	20 W	68 kg.
PowerMission 2 Distribution Type IV						
PO29-GP020-T4-3-SO	12 LED	1404 lm	70 lm/w	3000 K	20 W	68 kg.
PO29-GP020-T4-4-SO	12 LED	1496 lm	75 lm/w	4000 K	20 W	68 kg.
PO29-GP020-T4-5-SO	12 LED	1619 lm	81 lm/w	5000 K	20 W	68 kg.
PO29-GP020-T4-6-SO	12 LED	1706 lm	85 lm/w	6000 K	20 W	68 kg.

Professional Lighting Solutions

www.ligman.com

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The quality of life ...

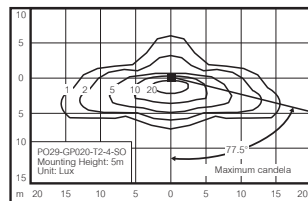
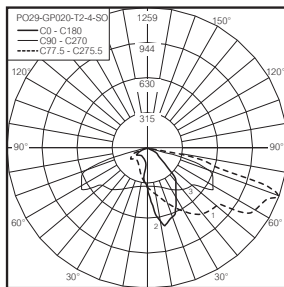
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Specification

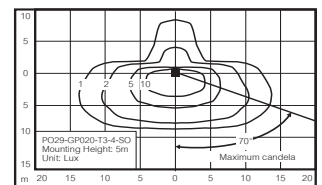
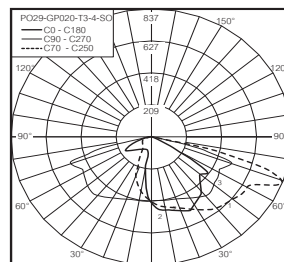
Model	PowerMission 2
Lamps used (Lamp type)	High Efficiency LED with energy safe
Power Consumption	12, 24 Vdc
Total luminous flux (System Luminous Flux)	1400 - 4000 lm
System Efficacy	70-96 lm/W
Colour Index (CRI)	>70
Colour Temperature	3000K , 4000K , 5000K , 6000K
Distribution	TYPE II , III , IV
Lifetime (L70)	50,000 Hrs. (@ -30% lumen : L70 at 40 degree Celsius ambient temperature)
Housing material	Luminaire is according to IEC60598 standard, ADC12 Die Cast Aluminum
Standard	TIS 1955-2551
Level of protection (IP Rated)	IP66
Total Power (System Power)	20 - 40 W
Exposure control (Dimming)	Luminance adjustable
Circuit PV (PV Panels)	High quality Poly-crystalline solar cells
System Charge Controller	<ul style="list-style-type: none"> • Automatic controller for charge and discharge • Timer switch on-off • Overcharge protector and overload protector which extend battery life • Power reserve for non-charged day
Maintenance	Easy to replace converter (Tool Less)
Application	<ul style="list-style-type: none"> • Street Lighting • Parking Area Lighting • Garden Lighting • Residential Lighting • Security Lighting

Photometrics

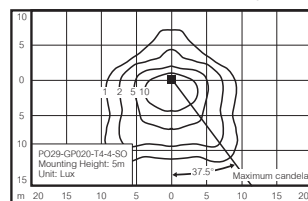
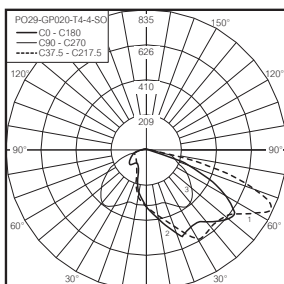
Type-II



Type-III



Type-IV



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