

PO29-GP041- - -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.

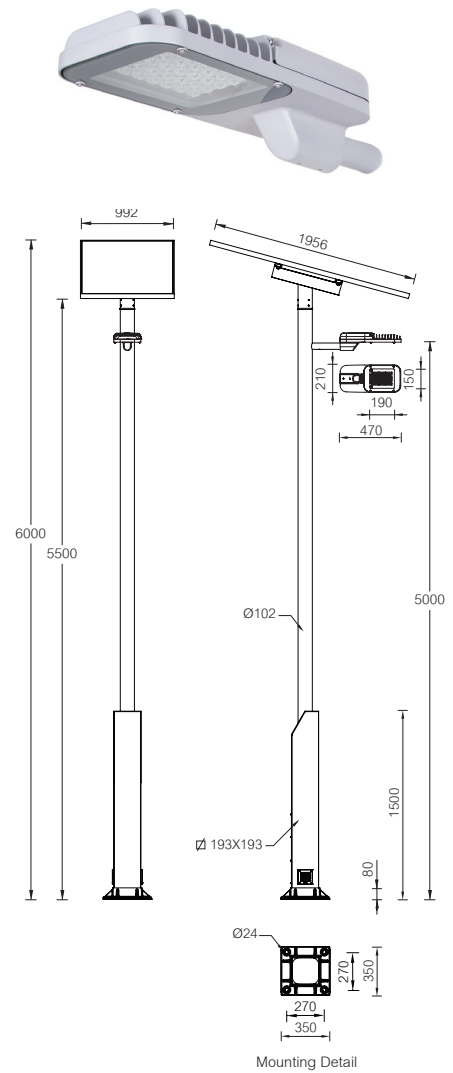
Solar Energy System Information

PowerMission 2	
Number of LED	24 LED
Solar Cells	280 W
Luminance Controlling System	yes
Battery	4x33 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	GP041	-			SO
Model no.	Lamp Series	Power W	Distribution TYPE	CCT	Solar Lighting
PO29	GP041	40 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-GP041-T2-3-SO	24 LED	3215 lm	78 lm/w	3000 K	40 W	105 kg.
PO29-GP041-T2-4-SO	24 LED	3425 lm	84 lm/w	4000 K	40 W	105 kg.
PO29-GP041-T2-5-SO	24 LED	3707 lm	90 lm/w	5000 K	40 W	105 kg.
PO29-GP041-T2-6-SO	24 LED	3906 lm	95 lm/w	6000 K	40 W	105 kg.
PowerMission 2 Distribution Type III						
PO29-GP041-T3-3-SO	24 LED	3229 lm	79 lm/w	3000 K	40 W	105 kg.
PO29-GP041-T3-4-SO	24 LED	3440 lm	84 lm/w	4000 K	40 W	105 kg.
PO29-GP041-T3-5-SO	24 LED	3724 lm	91 lm/w	5000 K	40 W	105 kg.
PO29-GP041-T3-6-SO	24 LED	3923 lm	96 lm/w	6000 K	40 W	105 kg.
PowerMission 2 Distribution Type IV						
PO29-GP041-T4-3-SO	24 LED	3238 lm	79 lm/w	3000 K	40 W	105 kg.
PO29-GP041-T4-4-SO	24 LED	3450 lm	84 lm/w	4000 K	40 W	105 kg.
PO29-GP041-T4-5-SO	24 LED	3734 lm	91 lm/w	5000 K	40 W	105 kg.
PO29-GP041-T4-6-SO	24 LED	3934 lm	96 lm/w	6000 K	40 W	105 kg.

Professional Lighting Solutions

www.ligman.com

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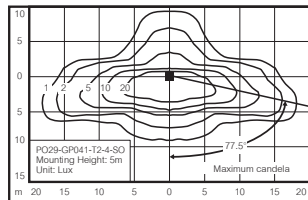
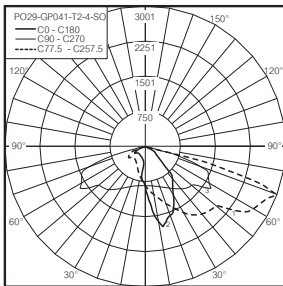
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Specification

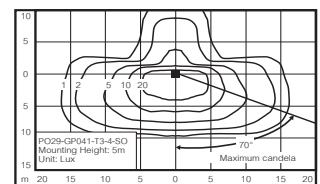
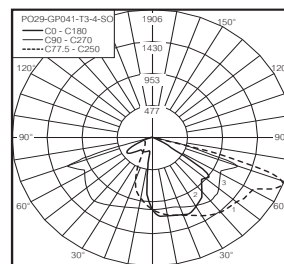
Model	PowerMission 2
Lamps used (Lamp type)	High Efficiency LED with energy safe
Power Consumption	12, 24 Vdc
Total luminous flux (System Luminous Flux)	1400 - 4000 lm
System Efficacy	70-96 lm/W
Colour Index (CRI)	>70
Colour Temperature	3000K , 4000K , 5000K , 6000K
Distribution	TYPE II , III , IV
Lifetime (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

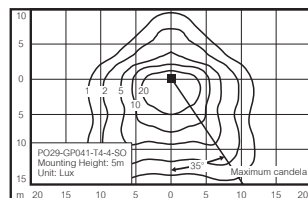
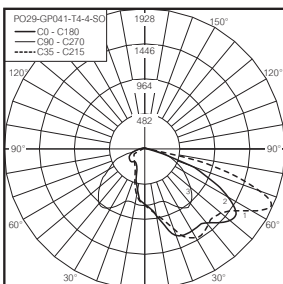
Type-II



Type-III



Type-IV



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