

MARUTHI SOLAR SYSTEM, BANGALORE INDIA					
Department	Solar Energy	Form No.			
Title	Specification For SSL LED Luminarie 30 W 12V DC				
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GENERAL

MODEL NO	SL30WS-M1
APPLICATION	OUTDOOR
LUMINOUS FLUX	> 2400 LUMENS
LAMP WATTAGE	30 WATTS
WORKING TEMPERATURE	-5°C TO +50°C
WORKING HUMIDITY	10%-90% RH
LED TYPE	HIGH POWER LED
LED MAKE	PHILIPS / OSRAM
LUMEN EFFICACY	130 LUMENS/WATT
DISPERSION ANGLE	120 DEGREE
COLOUR TEMPERATURE	5500K - 6500K
CRI	>70

ELECTRICAL DATA

INPUT VOLTAGE (V)	12V DC
INPUT CURRENT (A)	2.8 A
INPUT POWER (W)	34.0 W (±10%)
CURRENT THD	<20%
OUTPUT POWER (W)	28.8 W (±10%)
ELECTRONICS EFFICIENCY	>85 %
PROTECTIONS PROVIDED	Surge and Over Current Protection

MARUTHI Solar Systems,

9, Sy No. 38/6, Main Road, H.M.R.Road, Poornapura Village, Gokula, Bangalore-560054. India.

+91- 80- 23457165,

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MECHANICAL DATA

FIXTURE	AL – Casting (Powder Coated)
IP RATING	IP65
DIMENSION (mm)	355x235x58mm
WEIGHT (KGs)	4 KGs

EXTERNAL CHARGE CONTROLLER	
BATTERY LOW CUT OFF VOLTAGE (LVD)	10.7V (±0.1V)
BATTERY RECONNECT VOLTAGE (LVR)	11.5V (±0.1V)
OVER CHARGING CUT OFF VOLTAGE (HVD)	14.2V (±0.1V)
CHARGING RECONNECT VOLTAGE (HVR)	13.5V (±0.1V)
LOW BATTERY INDICATION	RED LED
CHARGING INDICATION	GREEN LED
DUSK TO DAWN OPERATION	AUTOMATIC (4HRS OF BRIGHTNESS+8HRS OF DIM (50%))

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