

<b>MARUTHI SOLAR SYSTEM, BANGALORE INDIA</b>					
Department	Solar Energy	Form No.			
Title	Specification For SSL LED Luminarie 40 W				
Date	16-05-2012	Rev. No.	00	Page No.	1 of 1

## GENERAL

<b>MODEL NO</b>	<b>SL40WS-M1</b>
<b>APPLICATION</b>	<b>OUTDOOR</b>
<b>LUMINOUS FLUX</b>	<b>&gt; 3900 LUMENS</b>
<b>LAMP WATTAGE</b>	<b>40 WATTS</b>
<b>WORKING TEMPERATURE</b>	<b>-5°C TO +50°C</b>
<b>WORKING HUMIDITY</b>	<b>10%-90% RH</b>
<b>LED TYPE</b>	<b>HIGH POWER LED</b>
<b>LED MAKE</b>	<b>PHILIPS / OSRAM</b>
<b>LUMEN EFFICACY</b>	<b>130 LUMENS/WATT</b>
<b>DISPERSION ANGLE</b>	<b>120 DEGREE</b>
<b>COLOUR TEMPERATURE</b>	<b>5500K - 6500K</b>
<b>CRI</b>	<b>&gt;70</b>

## ELECTRICAL DATA

<b>INPUT VOLTAGE (V)</b>	<b>12V DC</b>
<b>INPUT CURRENT (A)</b>	<b>3.6 A</b>
<b>INPUT POWER (W)</b>	<b>43.2 W (±10%)</b>
<b>CURRENT THD</b>	<b>&lt;20%</b>
<b>OUTPUT VOLTAGE (V)</b>	<b>10.5 VDC</b>
<b>OUTPUT CURRENT (A)</b>	<b>3.75 ADC</b>
<b>OUTPUT POWER (W)</b>	<b>39.4 W (±10%)</b>
<b>ELECTRONICS EFFICIENCY</b>	<b>&gt;85 %</b>
<b>PROTECTIONS PROVIDED</b>	<b>Surge and Over Current Protection</b>

**MARUTHI** Solar Systems,

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

+91- 80- 23457165,

<b>MARUTHI SOLAR SYSTEM, BANGALORE INDIA</b>					
<b>Department</b>	<b>Solar Energy</b>	<b>Form No.</b>			
<b>Title</b>	Specification For SSL LED Luminarie 40 W				
<b>Date</b>	16-05-2012	<b>Rev. No.</b>	00	<b>Page No.</b>	2 of 1

--	--

## MECHANICAL DATA

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

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

## MARUTHI Solar Systems,

# 9, Sy No. 38/6, Main Road, H.M.R.Road, Poornapura Village, Gokula, Bangalore-560054. India.  
+91- 80- 23457165,