

Features

- Light source: 50 pieces 3W power LEDs
- Long LED life: More than 50,000 hours
- Maximum luminous output: up to 4500 lumens of white light
- Highest optical efficiency: 30Lm/Watt
- Low heat, less than 70°C for 150W
- No UV or IR light radiation
- No mercury or other inorganics
- Homogeneous flood illumination
- Extruded aluminum housing with excellent thermal efficiencies
- The LED street light is available in the following white color temperatures:
2000K – 3000K (Warm White)
6000K – 7000K (Cool White)
- 150W LED street light can achieve directional light output equal to 300W metal halide or HPS light bulb
- Ingress protection: IP65
- 2 year limited warranty (see page 6)
- Safety Standard: **CE** and **RoHS** pending
- Works with worldwide electrical systems (110 or 220V AC)



Note: Picture for illustration only



Typical Applications

- Energy Saving Programs
- Sustainable Energy
- Street Lighting/Tunnel Lighting
- Petrol Station Lighting
- Petrol (Chemical) Sites
- General Lighting
- Warehouse Lighting
- Industrial and Bay Lighting
- Security – Prison Lighting
- Offshore Rigging Industry
- Helicopter Landing Platforms

PRELIMINARY

PRODUCT SPECIFICATIONS

LIGHT SOURCE	50 X 3W power LEDs
OPTICS	Optical reflector
BEAM ANGLE	60° (Flood)
RENDERING INDEX (Ra)	>80 (warm white) >70 (cool white)
HOUSING DIMENSION	690X300X127 mm
WEIGHT	13.5 kg
HOUSING	Extruded aluminum body with
LED DRIVER	Internal constant current power supply
POWER CONNECTOR	Bi-wires
DIMMABILITY	Not Dimmerble

ENVIRONMENTAL SPECIFICATIONS

TEMPERATURE RANGE	Ambient: -20°C to 40°C; Surface of Lamp: 60°C to 70°C
HUMIDITY RANGE	0 to 95% non-condensing humidity

ELECTRICAL SPECIFICATIONS

VOLTAGE REQUIREMENT	110 or 220V AC
POWER CONSUMPTION	150W

PRODUCT DIMENSIONS (mm)

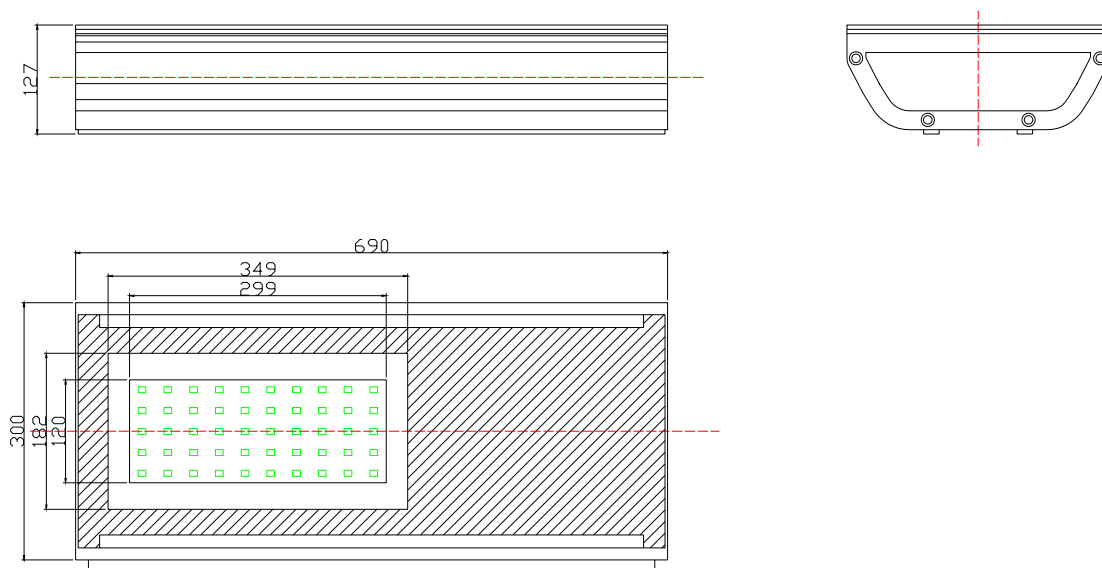


Fig 1. LED Street Light Dimension

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PRODUCT ORDERING CODE

ORDER CODE	Color	Wavelength or CCT (nm/K)	Operating Voltage	LED Power (W)	Typical Luminous Flux (lm)	Typical Illuminance @ 6m (Lux)	BEAM ANGLE
SL700W-110	Cool White	6000K~7000K	110 VAC	50X3W	4000 lm	120	60° ±2°
SL700N-110	Natural White	4000K~5000K			3500 lm		
SL700V-110	Warm White	2000K~3000K			3200 lm		
SL700W-220	Cool White	6000K~7000K	220 VAC	50X3W	4000 lm	120	60° ±2°
SL700N-220	Natural White	4000K~5000K			3500 lm		
SL700V-220	Warm White	2000K~3000K			3200 lm		

Typical Electrical Characteristics at T_a=25°C

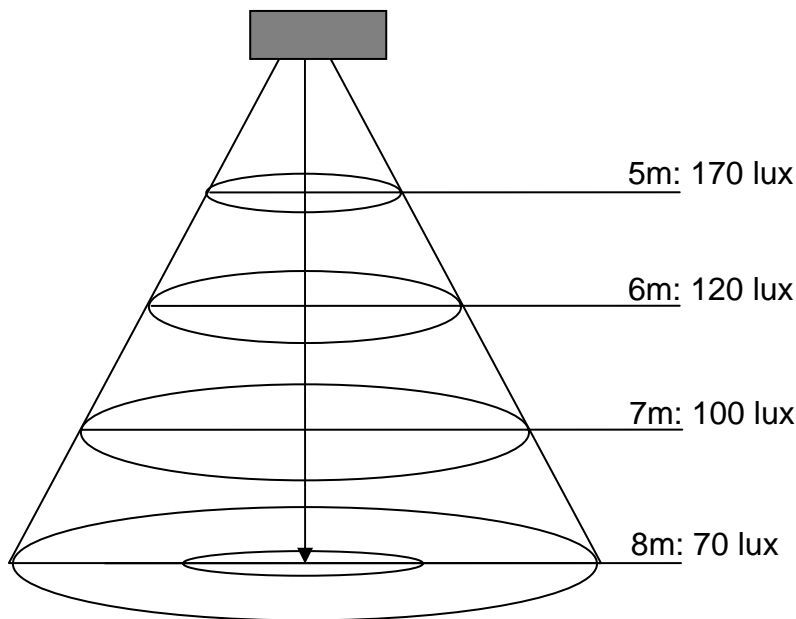
150W Model

Parameter	Symbol	Min	Typ	Max	Unit
Input Voltage (110V AC)	V _{AC}	100	—	120	V
Input Voltage (220V AC)	V _{AC}	200	—	240	V
LED Forward Current	I _F	—	650	—	mA
Estimated Life ^[1]		—	50,000	—	Hours
Optimized Body Temperature (50X3W LED)	T	—	60	70	°C

Note[*] – Manufacturer projects LED street light made with power LED to maintain an average of 70% lumens maintenance after 50,000 hours. This estimation is made based on data from LED manufacturer

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Typical Illumination Measurement



LIMITED WARRANTY

Manufacturer warrants to the Purchaser that each Product manufactured and sold by it will be free from defects in material and workmanship in its intended use (normal wear and tear excepted) for the period of one year from date of Purchaser's purchase (the invoice date) from Manufacturer. Manufacturer's warranty flows only to Purchaser. If any Product covered by this warranty is returned by Purchaser in accordance with Manufacturer's Products Return Policy, including without limitation its return authorization provisions, within the applicable warranty period set forth above, and upon examination Manufacturer determines to its satisfaction that such Product was defective in material or workmanship at the time of delivery to the Purchaser, Manufacturer will, at its option, repair or replace the Product or the defective part thereof, or reimburse Purchaser for the purchase price. For purposes of clarity, "repair or replace the Product or the defective part thereof" does not include any reinstallation costs or expenses. If Manufacturer chooses to replace the Product and is not able to do so because it has been discontinued or is not available, Manufacturer may replace it with a comparable product. The Products Return Policy is posted on Manufacturer's Internet web site at http://www.brilliance-led.com/En_terms_conditions.asp. The foregoing notwithstanding, Manufacturer will not be responsible for damage to any Product resulting from misuse, negligence, acts of God or accident or resulting from repairs or alterations made by any person or firm not duly authorized by Manufacturer in writing. Purchaser shall convey with each Product distributed to end users the MANUFACTURER'S LIMITED WARRANTY included by Manufacturer with such Product, and, if Manufacturer determines that the appropriate remedy for a defective product is refund of Purchaser's purchase price, Purchaser shall refund to the end user (or arrange for the refund to the end user of) the full purchase price paid by the end user for such defective Product.

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Patents Pending Product
SL700 Rev. 1.0b
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