



SUPRA TECH 018/23.STPJ - STREET LIGHT SERIES

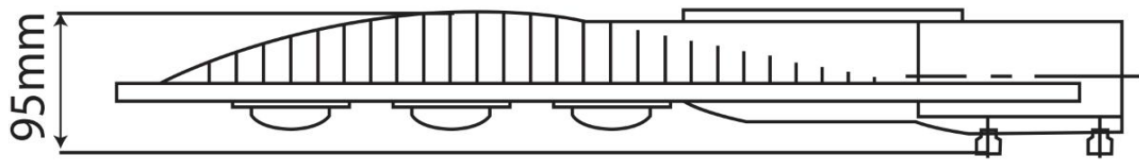
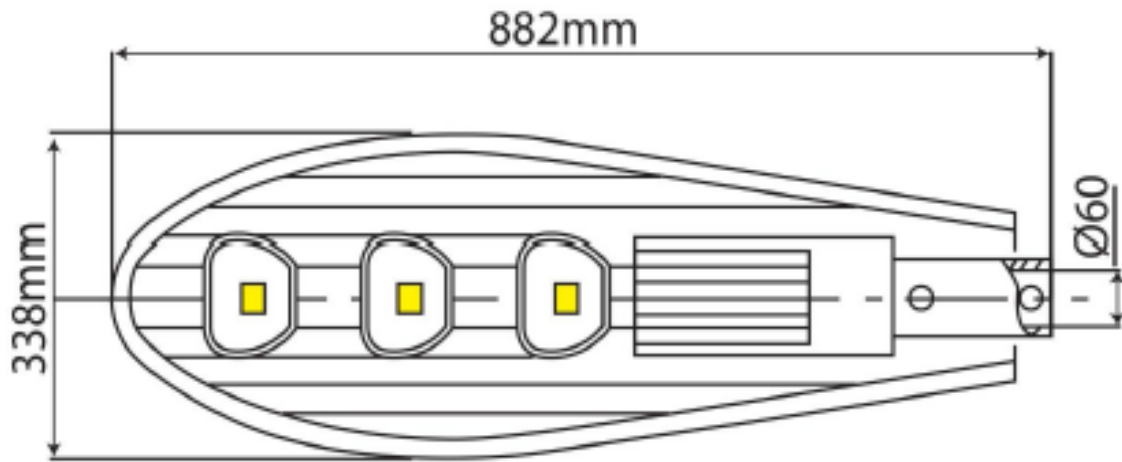
**150 W
LED STREET LIGHT
SPECIFICATION**



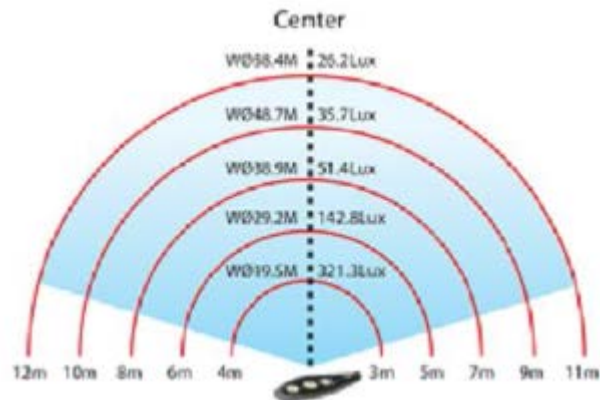
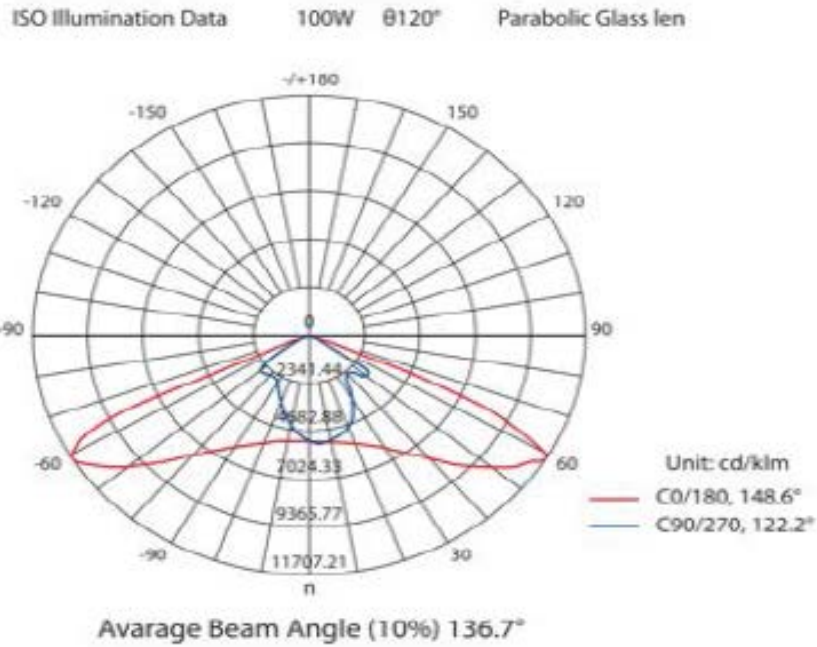
PRODUCT DATA SPECIFICATION

CCT	:	2200 – 5550 [®]K
Lumens	:	>115 LM/W
Beam Angel	:	140 °
LED Chip Qty	:	3 PCS 50 Watt
Power Factor	:	> 0.95
Working Voltage	:	85 – 265 V / 90 – 305 VAC
Frequency Rate	:	50-60 Hz
Wattage	:	40/60/80/100/120/150
Working Temperature	:	-25 ~ 40°C
IP Rate	:	IP 65
Life Span	:	Up to 50.000 Hours
Body Material	:	Aluminium Alloy
Heat sink	:	Aluminium Alloy

PRODUCT DIMENSION



LIGHT DISTRIBUTION CURVE



LED CHIP SPECIFICATION

PRODUCT DATA SHEET



The Bridgelux family of blue power die enables high performance and cost effective solutions to serve solid state light market. This next generation chip technology delivers improved efficiency and performance to enable increased light output for a variety of lighting, signaling and display applications.

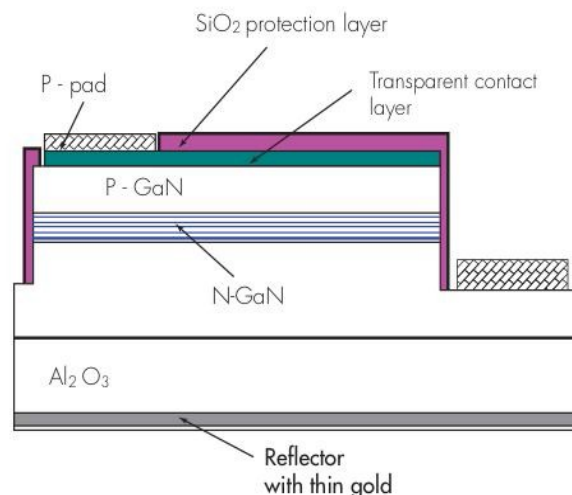
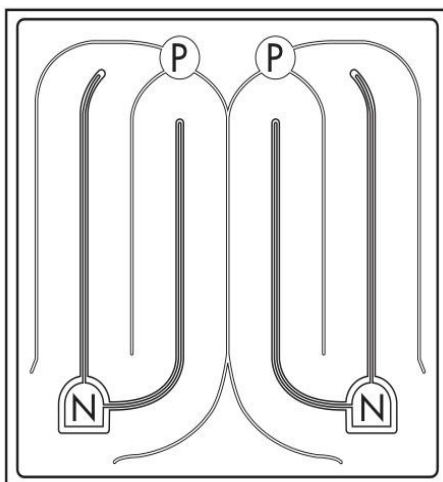
Features

- High lumen output and efficiency up to 145 lm/W
- Long operating life > 80.000
- Increased current spreading highly efficient and uniform illumination
- 100% tested and sorted by wavelength, Power and forward voltage
- delivered on medium tack blue tape (20 cm ± 10mm □ 20 cm ± 10 mm)
- Lambertian emission pattern

Application

- General illumination
- Street Lights
- Portable lighting
- White LED
- Automotive Lighting
- Digital Camera flash
- Wide Area lighting
- Architectural Lighting
- Display Backlighting

LED Chip Diagram



DRIVER SPECIFICATION

Features :

- Universal AC input / Full range (up to 295V AC)
- Built-in active PFC function
- High efficiency up to 91%
- Cooling by free air convection
- IP65 / IP67 design for indoor and moving sign applications
- OCP point adjustable through output or outdoor installations
- Suitable for LED lighting and moving sign applications
- 3 Years warranty



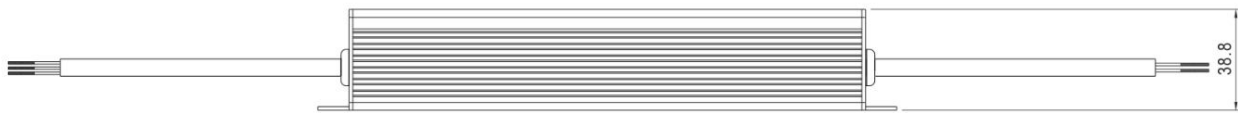
150 W Single Output switching power supply

DRIVER SPECIFICATION

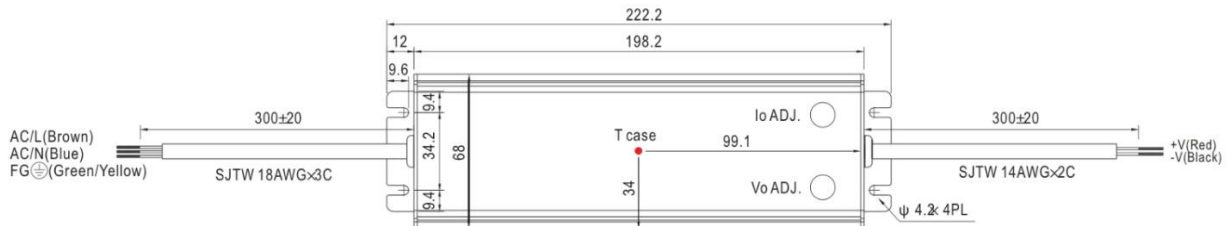
Mechanical Specification



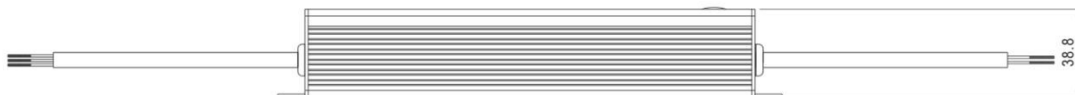
* T case : Max . Case Temperature



A Type:(CLG-150-_A)



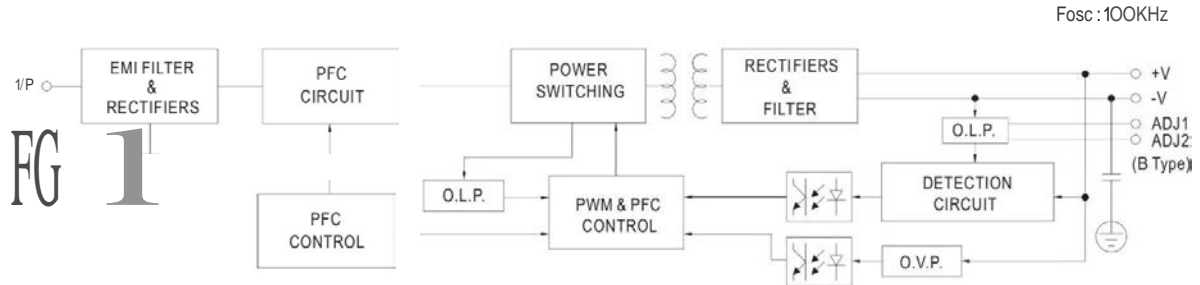
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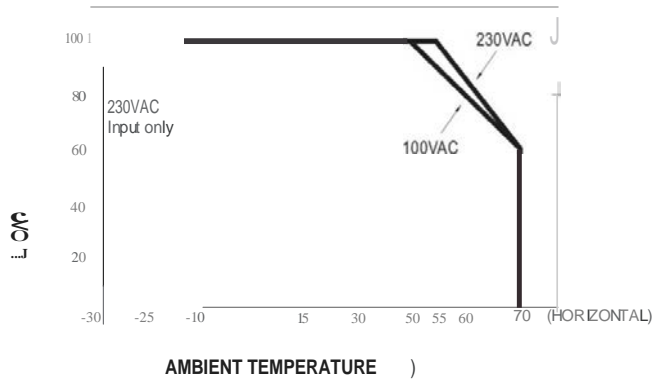
※ IP65 rated. Output voltage and constant current level can be adjusted through internal potentiometer.
(Can access by removing the rubber stopper on the case.)

DRIVER SPECIFICATION

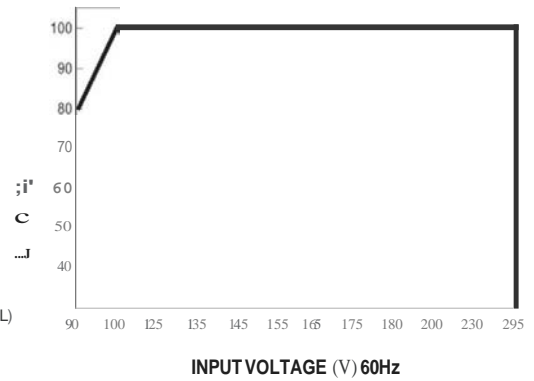
● **Block Diagram**



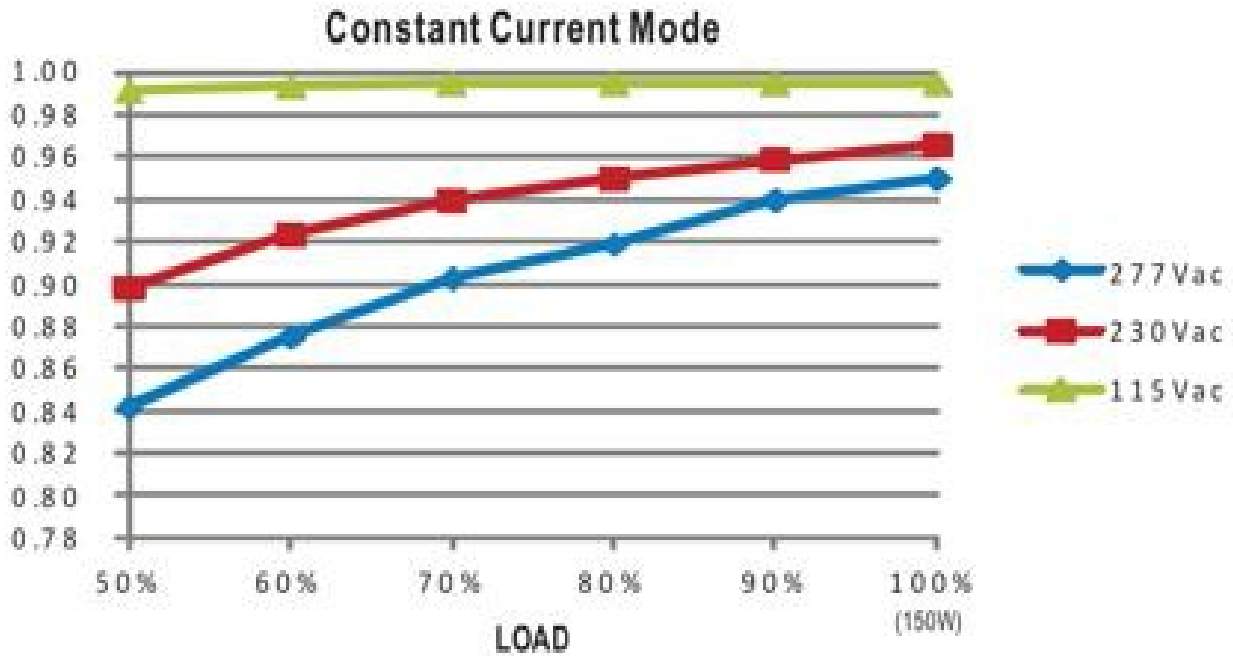
● **Derating Curve**



● **Static Characteristics**

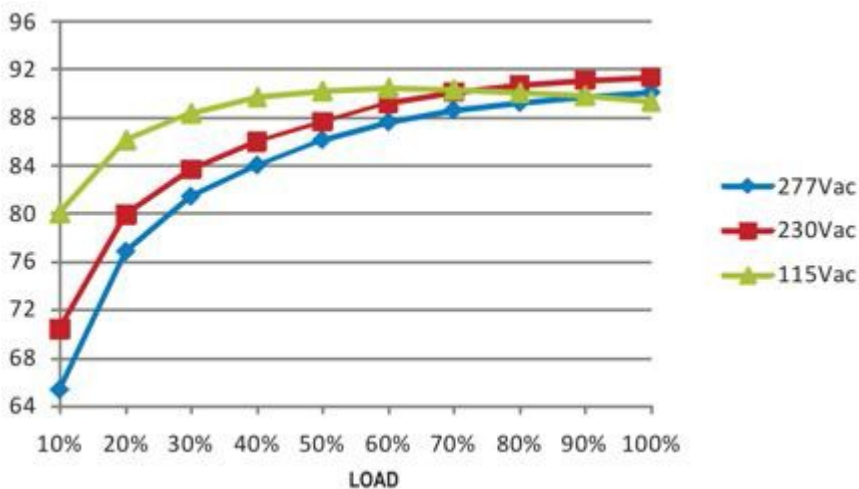


DRIVER SPECIFICATION



EFFICIENCY VS LOAD (48v Model)

CLG-150 series possess superior working efficiency that up to 91% can be reached in field applications.

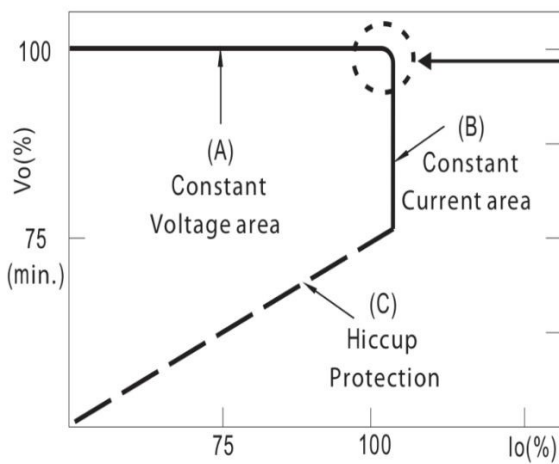


DRIVER SPECIFICATION

DRIVING METHODS OF LED MODULE

There are two major kinds of LED drive method “ direct drive” and “ with LED driver “

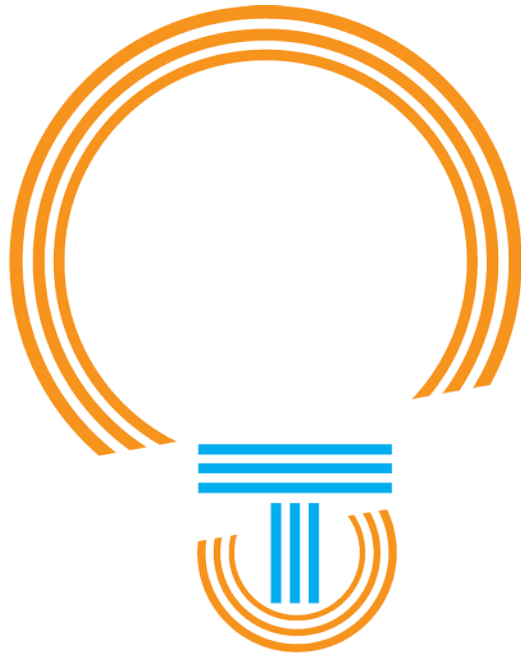
A typical LED power supply may either work in “ constant voltage mode (CV) or constant current mode (CC) “ to drive the LEDs. Mean Well’s LED power supply with CV + CC Characteristic can be operated at both CV Mode [with LED driver, at area(A) and CC mode [direct drive, at area (B)]



In the constant current region, the highest voltage at the output of the driver depends on the configuration of the end systems.

Should there be any compatibility issues, please contact MEAN WELL.

Typical LED power supply I-V curve



SUPRA TECH

Infinity Light Technology
