

100W Floodlight Data Sheet

MODEL: SP100FL



100W Floodlight

14 000 Lumens

50 000 Hours L70 rated life

Bridgelux LED 3030

Mean Well ELG-100 Driver

Fully Adjustable

IP65

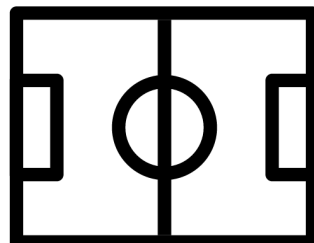
Made in South Africa



The 100W LED Modular Flood Light is a safe, reliable and affordable replacement to the older generation power thirsty flood lights. The SP100FL carries a 5 year warranty and utilises only the best quality LED components currently available.

The SP100FL IP65 Modular floodlight is resilient and uncompromising in its performance. It offers unrivalled light quality, superior colour rendition and sustained energy savings over the 50 000 hour life span also accompanied with a 5 year warranty.

Applications



Product information

An industry leading versatile Modular LED solution that guarantees the best quality of light presently available in the flood light market.

Application: The SP100 Modular LED meets a variety of lighting needs across three different applications: architectural, area lighting and signage.

Structures and materials

Housing: Laser cut steel housing electro-statically sprayed with a polyester powder paint finish, following anti-corrosion priming, and oven cured at 180°C.

Standard colour: silver & black.

Conforms to 2G vibration standards.

Electrical and gear compartment

Mean Well ELG-100 driver.
Isolated from the environment.

Protection degree: IP67.

Nominal line voltage: 100-277V 50-60Hz.
PF>0.9.

Class: I.

Cable: silicon rubber cable for power input.
Fasten with screw in the cable gland.

Temperature: -30°C to +45°C

Optics

Optical Diffuser: Silicone sealed lens allowing IP65.

Light uniformity: The advanced LED optic transmission lens system maximises the utilization of light onto the target surface area which improves the dispersion and uniformity of light.

Choice of optics: Beam angles available from 90° to 120°.

• Narrow Spot NEMA (1x1) • Medium Flood NEMA (5x5) • Wide Flood NEMA (6x5)

Colour temperature: The SP100FL LED floodlight is available in 6000K providing a high lumen output which is free from blue light hazard. While maintaining a high CRI and ANSI binning within 5 Step Mcadam.

LED Maintenance

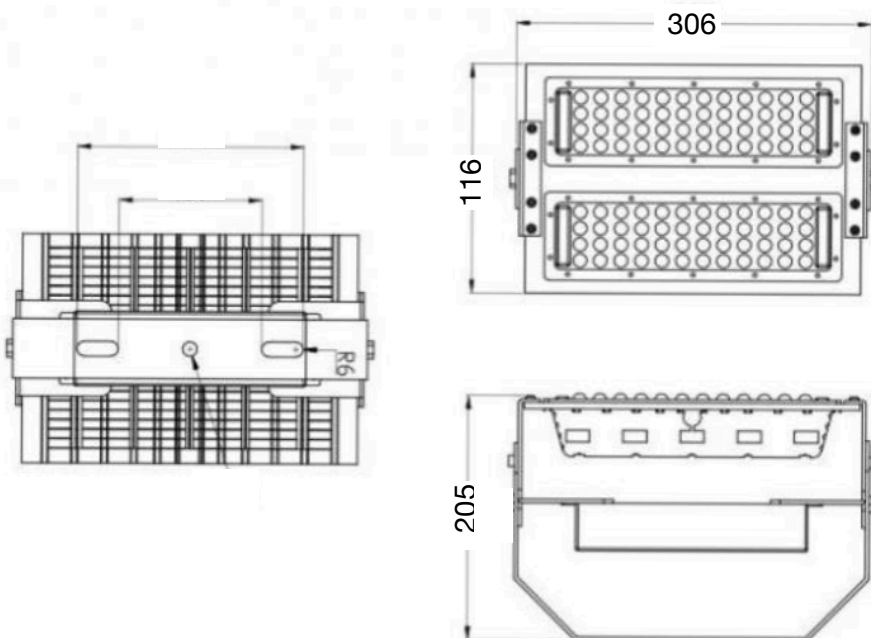
70% lumen maintenance at 50,000 hours.
Rated at LM70

Installation

Wall mounting bracket which is fully adjustable and easy to install.

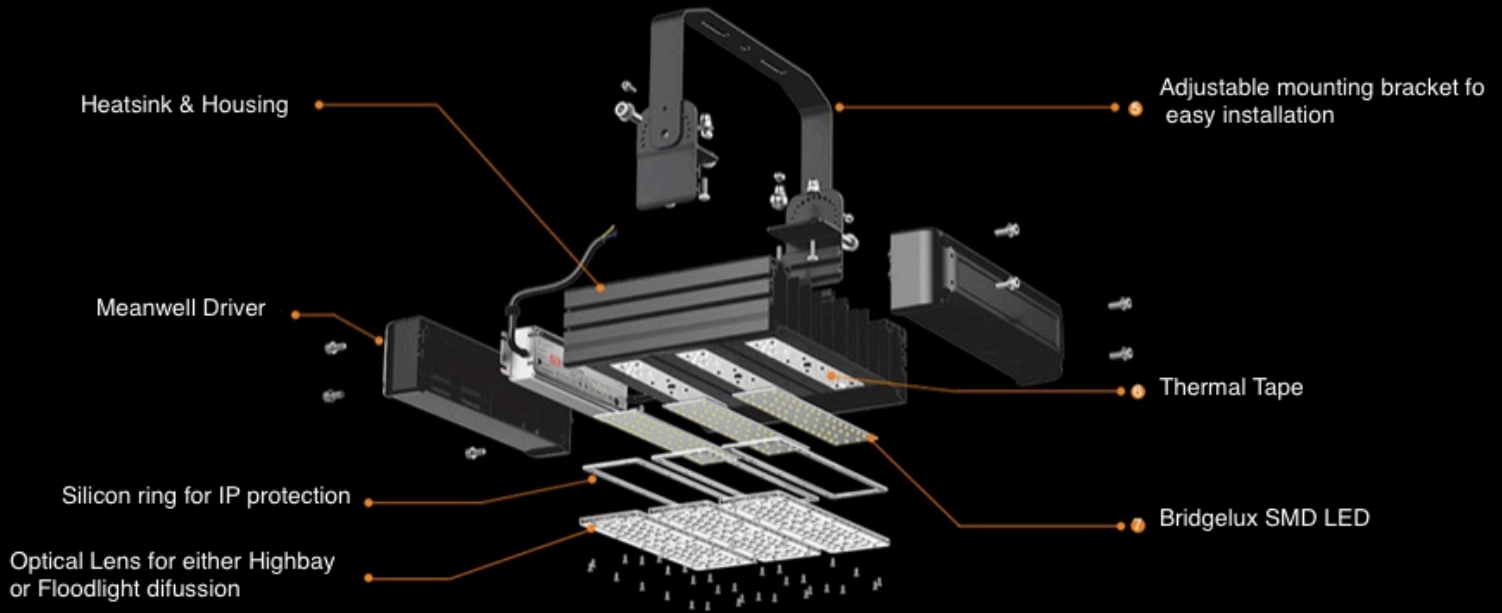
Specifications & Data

Model	SP100FL
Wattage	100W
Luminous Flux	14000lm
Luminous Efficacy	140lm/w
Colour Rendering Index	80
Correlated Colour Temperature	6000K
Ingress Protection Rating	IP65
Beam Angle	90°
Input Voltage	100-277V AC
Power Factor	0.95
Housing	Laser Cut Steel & Aluminium
Lens	Clear Plastic Optic Diffuser
Mounting	Adjustable Steel Bracket
Total Harmonic Distortion	20%
Operating Temperature	-20C + 50C
Environment	Outdoor & Indoor
Life Span	50000 hours LM70
Warranty	5 years

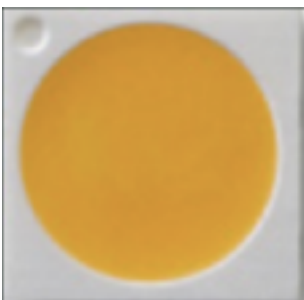


Dimensions

LED High-bay & FloodLight



The ELG-100 series is a 100W AC/DC LED driver featuring dual mode constant current and constant voltage output. Operating at 91% efficiency, the driver is able to operate in environments ranging in temperatures from -40°C to $+90^{\circ}\text{C}$. Its high IP67 ingress protection rating allows it to operate comfortably in outdoor and indoor applications. The reliable Meanwell driver comfortably drives the driver to achieving the rated 50 000 hour life span.



The Bridgelux SMD 3030 offers exceptional performance in a compact LED package. This mid power LED is hot-colour targeted which ensures that the LEDs fall within their specified colour bin at the typical application conditions of 85°C . With its broad lumen coverage and wide range of CCT options, the SMD 3030 provides unparalleled design-in flexibility for indoor and outdoor lighting applications. Its high lux capability reduces the number of LEDs and enables industry leading system level lumen per Rand. The SMD 3030 is ideal as a drop in replacement for emitters with an industry standard 3.0mm x 3.0mm footprint.