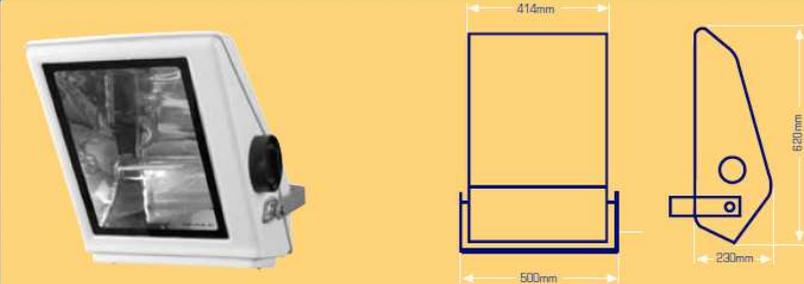




Subject: NEW RL 101 Hi-mast floodlight

RL101 FLOODLIGHT
250 HPS ■ 400 HPS ■ 250 MH ■ 400 MH



APPLICATIONS
SECURITY
SIGNAGE
SPORTS FIELDS
CAR PARKS
WORK AREAS
ILLUMINATION OF BUILDINGS
HIGH MAST INSTALLATIONS
MOUNTING HEIGHT: 7 - 30 m

- corrosion resistant glass reinforced polyester housing
- heat tempered glass
- integral control gear
- high purity, high performance aluminium reflector
- universal electroplated mounting stirrup with pole clamp
- optional high mast stirrup
- IP55
- available with narrow or wide beam reflectors

ORDERING DATA

CODE	CORRECTED LINE CURRENT		WEIGHT
	STARTING	RUNNING	
RL101 250 HPS	2.10 A	1.42 A	11.75 KG
RL101 400 HPS	3.80 A	2.20 A	13.65 KG
RL101 250 MH	2.80 A	1.42 A	11.75 KG
RL101 400 MH	3.80 A	2.20 A	13.65 KG

Luminaire Housing

The Reeflite fibreglass luminaire range consists of a white fibreglass housing that is manufactured using the following materials:

Floodlight Headpiece

- A rugged orthophthalic unsaturated polyester resin, white pigmented and UV stabilised that complies with SABS 713-1999.
- 600 Grams per square meter (Continuous strand) fibreglass matt for improved impact resistance, flexibility and good heat dissipation.
- External protective paint layer for increased UV protection.

The glass is 4mm heat tempered for impact resistance and is secured by using poly-urethane silicone sealant. A 5mm heat tempered glass can be fitted on request. The headpiece contains a 30% glass filled Nylon lamp holder assembly to ensure that the lamp maintains a constant position.

The lamp holder complies with VC8011, has a temperature tolerance of 240°C and is able to withstand voltage pulses of 5kV generated by the igniter. Re-lamping is done by removing the side lamp holder cup, which is 30% glass filled Nylon.

The lamp holder cup is secured by using 3 electro-plated bolts in brass inserts and is protected against the ingress of dust by using a silicone gasket. The wiring of the control gear compartment to the lamp holder is 1mm silicone wire and is capable of withstanding the voltage pulses generated by the igniter.



Reflector System

The luminaire is fitted with an asymmetric reflector that is shaped in the vertical plane, 99.85% pure super deep anodized aluminium and is secured to prevent accidental misalignment.

Gear Compartment

The control gear compartment is integral to the floodlight headpiece body and is enclosed by a fiber glass control gear lid, manufactured from the same material as specified for the headpiece and secured by four electro-plated 5mm bolts. The control gear lid seats with a tongue and groove arrangement on a SPR silicone gasket to ensure the IP 65 rating.

Control Gear

The ELT/TRIDONIC ballast complies with SABS 1266 and SABS 1267. The capacitor bears the IEC 61048 and SABS mark. The igniter is of the super-imposed type and complies with SABS 1630. All control gear components including the terminal block are mounted on a removable gear plate which is electroplated and affixed to the control gear compartment using two electro plated bolts.

All interior wiring is 1mm silicon insulated, rated at 500V and able to withstand temperatures of up to 180°C. The following colors are used, Live – red/brown, Neutral – blue/black and Earth – Yellow and Green/green. The operating voltage of the control gear is 230VAC +5% -5% 50Hz single phase, power factor corrected to 0.90.

Mounting

For excellent durability in all types of weather conditions the stirrup bracket is manufactured from electroplated mild steel. A universal bracket system can be used for wall and pole mount applications with a pole diameter of 76 – 100 mm or a flat bracket for hi-mast applications. Suitable for indoor and outdoor use.

SABS marks

All fittings bear the SANS 60598-2-5 safety mark.

Ingress Protection

IP 65 protection for both lamp and control gear compartments.

Guarantee

The fitting is guaranteed for life (20 Years) against deterioration due to ultra-violet radiation, hail damage and corrosion of the casing. The control gear is guaranteed for one year.



Photometric Data

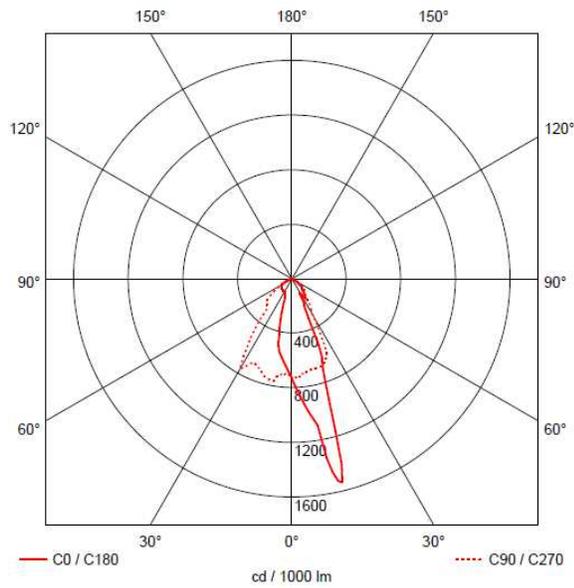


Fig1: RL 101 400 HPS Narrow Beam

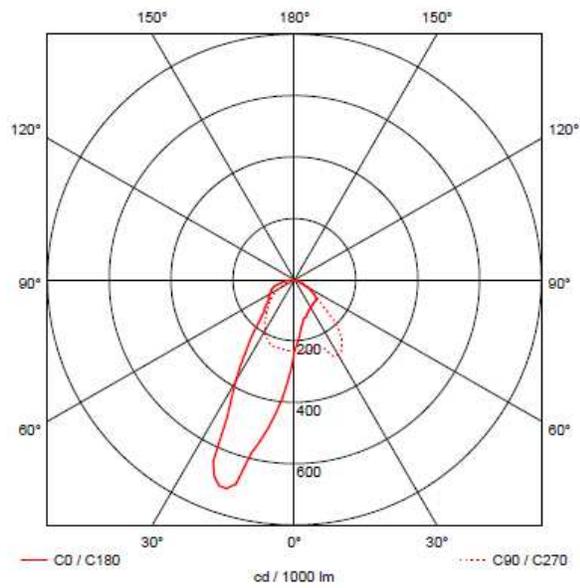


Fig 2: RL 101 400 HPS Wide Beam