



## Subject: RL 1000 Hi-mast floodlight

### RL 1000 FLOODLIGHT

1000 HPS ■ 1000 MH

520mm
530mm

43mm

**APPLICATIONS**

- SECURITY
- SPORTS FIELDS
- CAR PARKS
- LARGE WORK AREAS
- DOCK, RAILWAY & CONTAINER YARDS
- HIGH MAST INSTALLATIONS

**MOUNTING HEIGHT: 12 - 40 m**

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

ORDERING DATA

CODE	CORRECTED LINE CURRENT		WEIGHT
	STARTING	RUNNING	
RL1000 1000 HPS	8.80 A	5.50 A	21.60 KG
RL1000 1000 MH	9.60 A	5.20 A	21.30 KG

### Luminaire Housing

The Reeflite fibreglass luminaire range consists of a white gel coated fibreglass housings, and is manufactured using the following materials:

#### Floodlight Headpiece

The headpiece main body is manufactured from a resilient, impact and blister resistant iso-phthalic polyester gel-coat with excellent UV stability properties with a rigged orthophthalic unsaturated polyester resin that complies with SABS 713-1999 standard in conjunction with 600 grams per square meter (50mm strand) fiber glass matt for improved impact resistance, flexibility and good heat dissipation.

The glass is 4mm heat tempered for impact resistacet and is secured 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 the lamp maintains a constant position. The lamp holder comply with VC8011 and have a temperature tolerance of 240°C and is able to withstand voltage pulses of 5kV from the igniter.

Re-lamping is done by removing the side lamp holder mount which is 30% glass filled Nylon. The lamp holder mount 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 insulated wire and is capable of withstanding temperatures up to 180°C



## **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 fitted in a separate housing behind the reflector head on the stirrup bracket and is accessed from above by removing the fibre glass control gear lid. The control gear lid is secured with two electroplated latches and striker plate assemblies and has an ingress protection of IP 55.

## **Control Gear**

The ELT/TRIDONIC ballast complies with SABS 1266 and SABS 1267. The capacitors 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 electroplated nuts.

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

## **Mounting**

For excellent durability in all types of weather conditions the stirrup bracket is manufactured from electroplated mild steel or optional hot dipped galvanised mild steel. A universal bracket system can be used in wall and pole mount applications with a pole diameter of 76 – 100 mm or an angle 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 lamp compartment  
IP 55 protection for control gear compartment

## **Guarantee**

The fitting is guaranteed for life (15 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:**

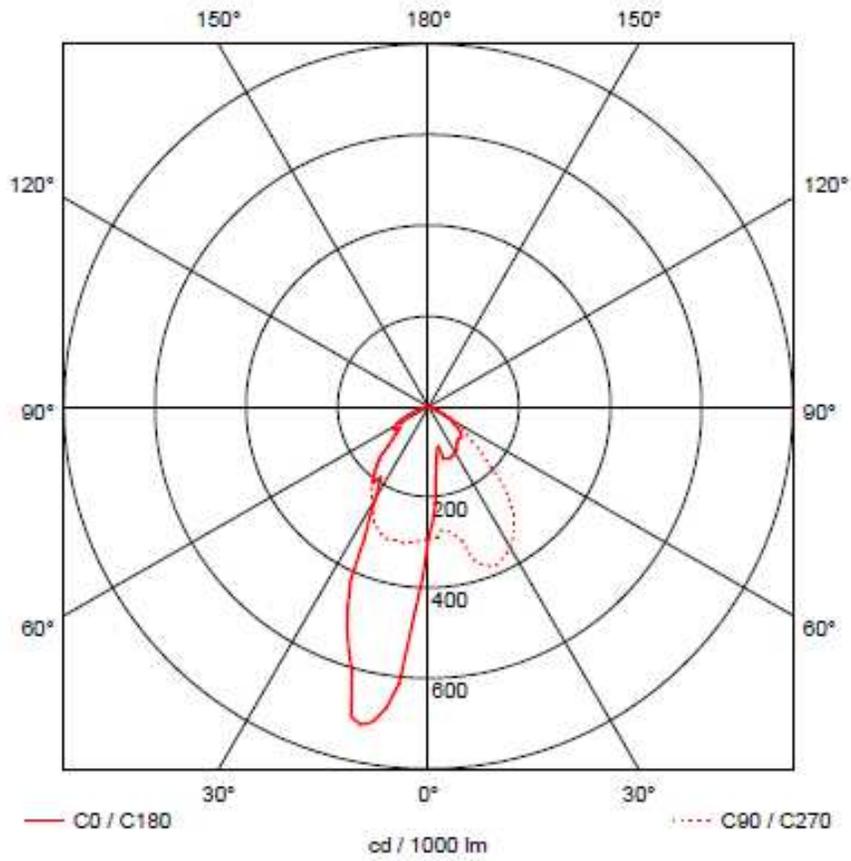


Fig 1: RL 1000 HSP-WB