



## Subject: RL 254 Econo / Super Energy Saving

### RL254 E/S ENERGY SAVING HIGHBAY

85 W ■ 105 W

**APPLICATIONS**

WAREHOUSES

FOUNDRIES

FACTORIES

WORKSHOPS & OTHER INDUSTRIAL INSTALLATIONS

**MOUNTING HEIGHT: 5 - 6 m**

- corrosion resistant glass reinforced mounting cup
- 420/520mm anodised aluminium reflector with optional glass cover ■ IP23 open ■ IP43 enclosed
- 16"/22" acrylic diffuser with optional acrylic drop lens with aluminium adapter

| ORDERING DATA          |                        |         |         |
|------------------------|------------------------|---------|---------|
| CODE                   | CORRECTED LINE CURRENT |         | WEIGHT  |
|                        | STARTING               | RUNNING |         |
| RL254 E <b>85</b> CFL  | 0.6 A                  | 0.38 A  | 1.56 KG |
| RL254 E <b>105</b> CFL | 0.9 A                  | 0.44 A  | 1.56 KG |
| RL254 S <b>85</b> CFL  | 0.6 A                  | 0.38 A  | 1.88 KG |
| RL254 S <b>105</b> CFL | 0.9 A                  | 0.44 A  | 1.88 KG |

### Luminaire Housing

The Reeflite RL 254 control gear box consists of the following:

#### Control Gear Box

- A rugged orthophthalic unsaturated polyester resin that complies with SABS 713-1999.
- 450 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.
- E - 420mm/ S – 520mm diameter spun aluminium reflector.
- Glass cover is available on request.

The lamp holder is secured into a fibreglass lamp holder cup that is secured onto the top of the reflector system. All internal plates and support structures are electroplated to ensure durability.

#### Control Gear

The control gear specification is dependent on the Compact fluorescent lamp that will be used with this luminaire. All interior wiring is 1mm silicon insulated wire 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.



## Reflector System

### Aluminium:

The standard reflector system consists of either a 420 or 520mm diameter spun anodised aluminium reflector with a mounting height ratio of 1:1 or 1:1,5 respectively and is mounted onto the lamp holder cup via two key hole slots. The enclosed reflector is fitted with a 4mm tempered glass in a GRP ring, secured by 3 striker plates with latches. One of the striker plates is permanently connected to the latch to hinge the glass to the reflector during maintenance.

### Acrylic:

This reflector system consists of a ventilated aluminium neck and a 22 inch diameter acrylic reflector. This reflector can be enclosed by an optional acrylic drop lens secured via an aluminium adapter ring.

## Ingress Protection

The IP ratings are as follow: Open – IP23, Enclosed IP 43

## SABS marks

The luminaire is approved by the SABS and compiles with the SABS IEC 60598 safety specification

## Guarantee

The fittings are guaranteed for 1 (one) year in normal atmospheric conditions. The control gear is of a high quality and is guaranteed for one year providing that damage is not due to the ingress of moisture or incorrect connection.

## Lamp Specification:

|                    |          |          |         |         |         |
|--------------------|----------|----------|---------|---------|---------|
| Manufacturer:      | Reeflite | Reeflite | Germani | Germani | Eurolux |
| Lamp Wattage:      | 85W      | 105W     | 125W    | 200W    | 85W     |
| Color Temperature: | 6400K    | 6400K    | 6400K   | 6400K   | 6400K   |
| Lamp Structure:    | 4U-tube  | 4U-tube  | Spiral  | Spiral  | Spiral  |
| Supply Frequency:  | 50 Hz    | 50 Hz    | 50Hz    | 50Hz    | 50Hz    |
| Lamp Current:      | 320mA    | 400mA    | 900mA   | 1.5A    | 630mA   |
| Power factor:      | 0.95     | 0.95     | 0.55    | 0.55    | 0.55    |
| Lamp Voltage:      | 110-240V | 110-240V | 220V    | 220V    | 220V    |
| Lamp Life:         | 8000hrs  | 8000hrs  | 6000hrs | 6000hrs | 6000hrs |
| Lamp base:         | E40      | E40      | E40     | E40     | E40     |
| Lumen Output:      | 5100lm   | 6000lm   | 6800lm  | 11000lm | 5100lm  |

Reeflite branded lamps can run on 110VAC supply but at a 50% reduced lumen output. These lamps are not dimmable and are classified as a class B energy saving lamps.