

# RGL

## Runway Guard Light

**COMPLIANT WITH:**

FAA-AC 150/5345-46 L-804  
ICAO Annex 14



**GENERAL DESCRIPTION**

Elevated Runway Guard Light is a light fixture with dual alternating yellow light signals intended to warn a pilot or driver of a ground vehicle that they are about to enter a runway. These light fixtures may be powered from a series circuit or operated from a 120V or 240V 50 or 60 Hz source.

**ORDERING INFORMATION**

**Runway Guard Light**

**Mode:**

- 1) Series Circuit 6.6A 50/60Hz
- 2) 120V AC 50/60Hz
- 3) 220-240 VAC 50/60Hz

**Lens:**

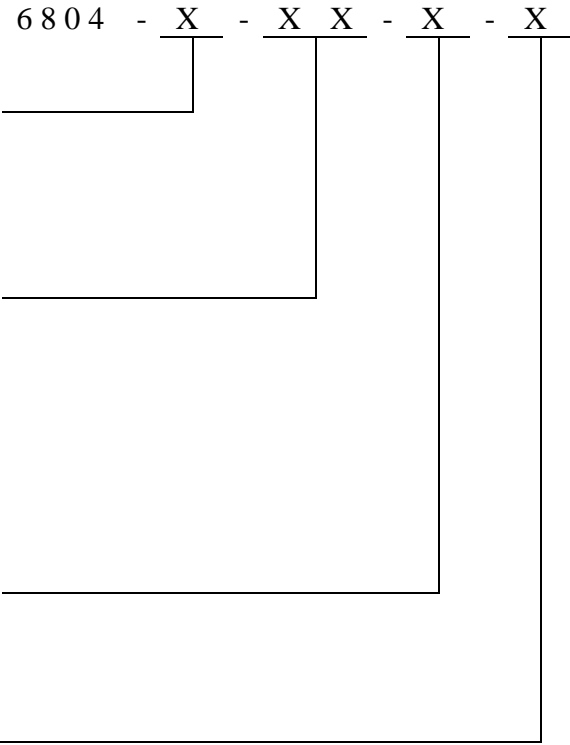
- YY – Traffic Signal Yellow  
(FAA compliant)
- RR – Traffic Signal Red  
(not FAA compliant)
- IY – ICAO Yellow  
(ICAO Compliant)

**Photocell:**

- 1 – With Photocell
- 2 – Without Photocell

**Monitor:**

- 1 – Monitored
- 2 – Without Monitor



**Example:**

6804-3-YY-1-1 is an FAA compliant voltage powered fixture with monitoring and photocell

Note: Baseplates and bases and series circuit transformers are sold separately

## Detailed Specifications:

Parameter	Specification
<b>All Systems</b>	
Operating Temperature	-68°F (-55°C) to +131°F (+ 55°C)
Humidity	0 to 100%
Frangability	1300 ft-Lb (1762 N-m) to 2100 ft-LB (2846 N-m)
Flash Rate	45 to 50 Alternating Flashes per minute
Mounting Height	24.5 to 32 inches
Stray Light Shield	Integral to front panel
Alarms	Dry contact, self-resetting
Monitored	Lamps Out, Flasher Failure, Missed Flash
<b>Optics</b>	
Lenses	Heat Resistant Tempered Glass
Lens Color	US - Traffic Signal Yellow
CIE Color Coordinates	y not less than 0.411 nor less than 0.95 - x nor greater than 0.452.
Vertical Adjustment	0 to +20 Degrees with 1 degree Locking Provision
Horizontal Adjustment	± 20 Degrees with 5 degree Locking Provisions
Lamp	100W PK30 Style 6.6A
Reflector	Parabolic Polished Aluminum
<b>Series Circuit Powered</b>	
Input Power	6.6A 50/60Hz (nominal 130W) 3 Step CCR recommended
Transformer Options	6.6A - 6.6A 200W 50Hz or 60Hz 20 A - 6.6A 200W 50Hz or 60Hz
<b>Voltage Powered</b>	
Input Power	Option 1: Nom. 120VAC 60Hz 2.3 Amps max. Option 2: Nom. 240VAC 60Hz 1.3 Amps max. Option 3: Nom. 220VAC 50Hz 1.3 Amps max.
Line (Mains) Variation	+10% - 10%
Intensity Control	Photocell preset automatic for Day 100% intensity, (50 - 60 ft-cd ambient) Night 30% intensity, (25 - 35 ft-cd ambient)

**AAE** → Advanced Airport Equipment

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Manufactured by

**Multi**  
ELECTRIC