

# rayLUX 50

## DIRECTIONAL WHITE-LIGHT

High Performance White-Light LED illuminators provide class leading performance, long life, energy efficiency and zero maintenance. They incorporate the very latest surface mount LED's to deliver excellent optical output and outstanding reliability, providing even illumination and excellent night time images for surveillance cameras and general area lighting.

The unique Adaptive Illumination™ concept provides the flexibility to alter the angle of illumination on site to suit the required lighting specification. The RAYLUX 50 provides a world class 'White-Light' output of 110lm/W at the LED source, and an independently tested luminaire output of 1,600 lm at 25lm/w.

Each unit is fitted with Active LED Life Control to carefully control LED output, delivering consistent illumination power and a projected working life of 10 years.

RAYLUX illuminators are supplied with bracket and power supply. Control features on the power supply include adjustable power output, photocell and telemetry control. RAYLUX 50 is designed for low light installations up to 40m (131ft).

RAYLUX 50 is also available with low voltage PSU.



## POWERFUL

- Quick Start
- **PLATINUM<sup>®</sup>** LED technology
- High Power - Low Running Costs

## FLEXIBLE

- Adaptive Illumination™
- Various angles (30° to 180°)
- Fully Controllable Power Supply
- Optional Low Voltage PSU

## RELIABLE

- 10 year life
- Active LED Life Control
- Vandal resistant

## CONTROLLED

- Excellent Colour Rendition
- Even Output Illumination
- Low running costs

### ADAPTIVE ILLUMINATION™:

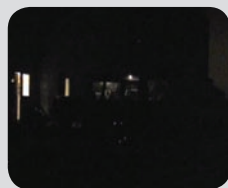


Narrow Angle



Wide Angle

### WHITE-LIGHT IN USE:



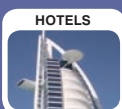
White-Light off



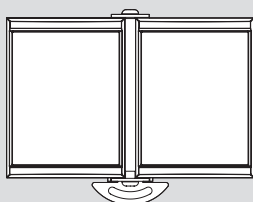
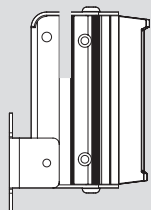
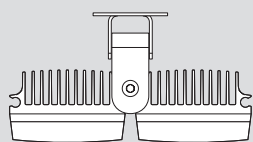
White-Light on

Version 3.2

## APPLICATIONS



# TECHNICAL SPECIFICATIONS



## ILLUMINATOR

**Lumens:** Source 110 per watt  
lm/w – luminaire 25lm/w

**Total lumens\*:** 1,600 per luminaire

**Max Distance:** up to 40m (131ft)

**Angle:** Various - See Part Codes

**Optics:** SMT LED's

**Consumption:** 25W max

**Voltage:** 14V current controlled

**Colour Temperature\*\*:** 6500k

**Colour**

**Reproduction Index\*\*:** 74-80+

**Weight:** 1.7kg (3.7lbs)

**Environmental:** IP66

**Temp Range:** -50 to +50°C (-58 to 122°F)

**Cable Length:** 2.5m

**Colour:** Silver

**Wavelength:** White-Light

**Dimensions:** 160 x 115 x 54mm  
6" x 4" x 2" approx

## BRACKETRY

U Bracket and Adaptive Illumination bracket included.

## POWER SUPPLY

**Input:** Universal 100-240V AC auto-sensing  
Low Voltage 12-24V option also available

**Output:** 25W max

**Temperature:** -50 to +50°C (-58 to 122°F)

**Weight:** 0.9Kg (2lbs)

**Dimensions:** 160mm x 120mm x 80mm  
6" x 5" x 3" approx

### Standard PSU (included)

Adjustable photocell  
Adjustable power output for IR  
Telemetry Control

### Alternative PSU Options include:

PRO and PRO-IQ intelligent range of power supplies with multi function options including remote dimming.

\* Lumen output depends upon final lens selection. Lumen output shown based on average between 10 and 50 degree angles.

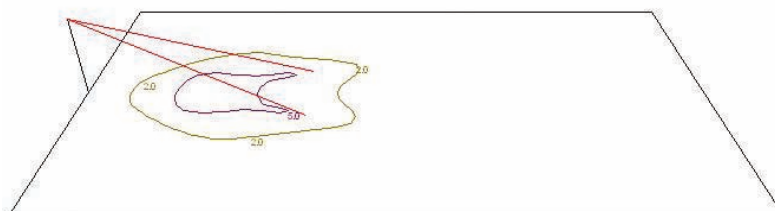
\*\* Cool White as standard - Warm White options available. CRI published reflects range between Cool and Warm White.

## 5 YEAR WARRANTY

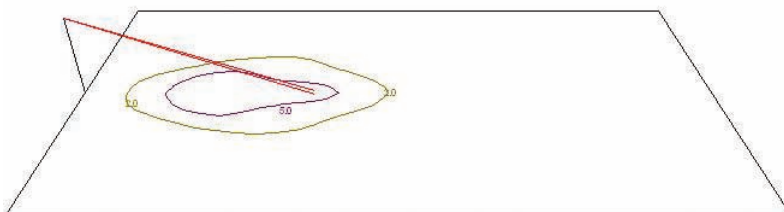
All RayLED CCTV illuminators are provided with a 5 year warranty, unmatched anywhere in the CCTV lighting industry. RayLED illuminators provide guaranteed long life!



## Examples of PHOTOMETRIC DIAGRAMS for RL50 (Full photometry available)



Area 25m x 45m  
6m mounting height  
RL50-AI-50 shown at a 70° setting



Area 25m x 45m  
6m mounting height  
RL50-AI-50 shown at a 50° setting

## PART CODES & DISTANCES

|             |                     |                       |
|-------------|---------------------|-----------------------|
| RL50-AI-30  | RAYLUX 50, 30-60°   | AI, white-light + PSU |
| RL50-AI-50  | RAYLUX 50, 50-100°  | AI, white-light + PSU |
| RL50-AI-120 | RAYLUX 50, 120-180° | AI, white-light + PSU |

## NARROW ANGLE WIDE ANGLE

|             |            |
|-------------|------------|
| 40m (131ft) | 28m (92ft) |
| 28m (92ft)  | 20m (64ft) |
| 12m (39ft)  | 8m (28ft)  |