

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.

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 60m (197ft).

RAYLUX 50 is also available with low voltage PSU.



ADAPTIVE ILLUMINATION™:

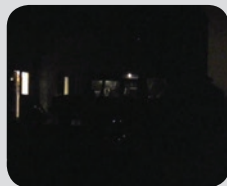


Narrow Angle



Wide Angle

WHITE-LIGHT IN USE:



White-Light off



White-Light on

POWERFUL

- Quick Start
- **PLATINUM®** LED technology
- High Power - Low Running Costs

FLEXIBLE

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

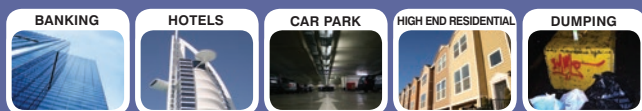
RELIABLE

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

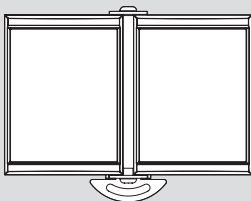
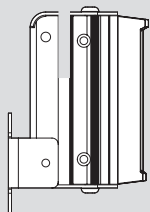
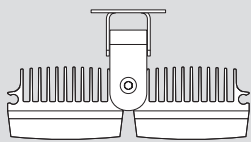
CONTROLLED

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

APPLICATIONS



TECHNICAL SPECIFICATIONS



ILLUMINATOR

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

Total lumens*: 1,600 per luminaire

Max Distance: up to 60m (197ft)

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.
 Optional pole mount and wall mount brackets available

POWER SUPPLY

Input: Universal 100-230V 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: 130mm x 130mm x 60mm
 5.1" x 5.1" x 2.4" approx

Standard PSU (included)

Adjustable photocell
 Adjustable power output for IR
 Telemetry Control

Optional Upgrade: PRO Series PSU

PRO series PSU with optional PRO IQ and PRO Pulse plug-in modules provides user defined multi-function settings and remote control. In addition to photocell following contact and 12V DC output, PRO series features: Ecologic energy saving setting, Perma-Light consistent power setting, remote dim and boost, as well as deterrent, pulse and timer functions.

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

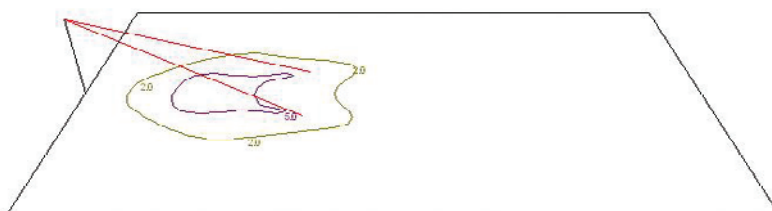
** Cool White as standard - Warm White options available. CRI published reflects range between Cool and Warm White.

5 YEAR WARRANTY

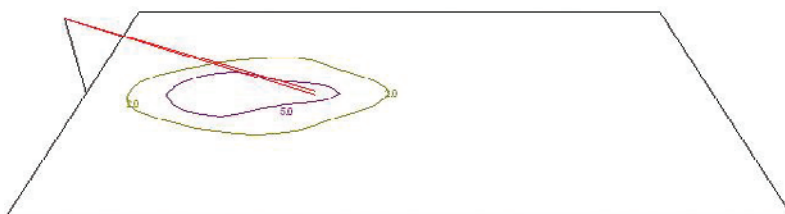
All Raytec CCTV illuminators are provided with a 5 year warranty, unmatched anywhere in the CCTV lighting industry. Raytec illuminators provide guaranteed long life!



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

PART CODES & DISTANCES			NARROW ANGLE	WIDE ANGLE
RL50-AI-10	RAYLUX 50, 10-20°	AI, white-light + PSU	60m (197ft)	42m (138ft)
RL50-AI-30	RAYLUX 50, 30-60°	AI, white-light + PSU	40m (131ft)	28m (92ft)
RL50-AI-50	RAYLUX 50, 50-100°	AI, white-light + PSU	28m (92ft)	20m (64ft)
RL50-AI-120	RAYLUX 50, 120-180°	AI, white-light + PSU	12m (39ft)	8m (28ft)