rayLUX 100

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 100 provides a world class 'White-Light' output of 110lm/W at the LED source, and an independently tested luminaire output of 3100 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 100 is designed for low light installations up to 120m (394ft).
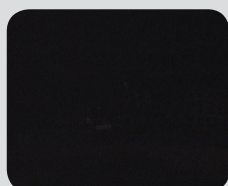
ADAPTIVE ILLUMINATION™:

Narrow Angle

Wide Angle

WHITE-LIGHT IN USE:

White-Light off

White-Light on

POWERFUL
- Quick Start
- PLATINUM⁶ LED technology
- High Power - Low Running Costs

FLEXIBLE
- Adaptive Illumination™
- Various angles (10° to 180°)
- Fully Controllable Power Supply

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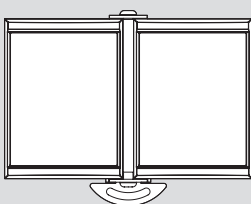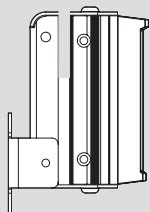- 10 year life
- Active LED Life Control
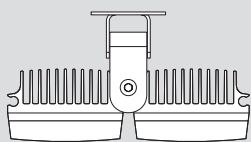- Vandal resistant

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

APPLICATIONS

HOLDING BAYS   AIRPORT   INDUSTRIAL PARK   DOME SYSTEM   POWER PLANTS

rayTEC

TECHNICAL SPECIFICATIONS

ILLUMINATOR

Lumens:	Source 110 per watt lm/w – luminaire 50lm/w
Total lumens*:	3,100 per luminaire
Max Distance:	up to 120m (394ft)
Angle:	Various - See Part Codes
Optics:	SMT LED's
Consumption:	50W max
Voltage:	14V current controlled
Colour Temperature**:	6500k
Colour Reproduction Index**:	74-80+
Weight:	2.5kg (5.5lbs)
Environmental:	IP66
Temp Range:	-50 to +50˚C (-58 to 122°F)
Cable Length:	2.5m
Colour:	Silver
Wavelength:	White-Light
Dimensions:	210 x 150 x 65mm 8" x 6" x 3" 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
Output:	50W max
Temperature:	-50 to +50°C (-58 to 122°F)
Weight:	1.5kg (3.3lbs)
Dimensions:	160mm x 160mm x 90mm 6" x 6" x 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.
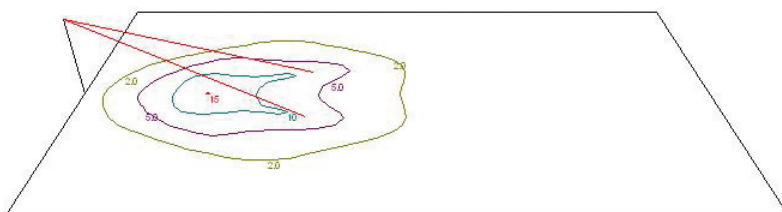
** Cool White as standard - Warm White options available. CRI published reflects range between Cool and Warm White.
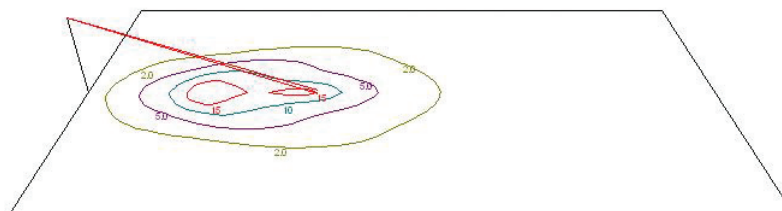
5 YEAR WARRANTY

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

5 YEAR WARRANTY

Examples of PHOTOMETRIC DIAGRAMS for RL100 (Full photometry available)

Area 25m x 45m

6m mounting height

RL100-AI-50 shown at a 70˚ setting

Area 25m x 45m

6m mounting height

RL100-AI-50 shown at a 50˚ setting

PART CODES & DISTANCES

Code	Description	Type	NARROW ANGLE	WIDE ANGLE
RL100-AI-10	RAYLUX 100, 10-20°	AI, white-light + PSU	120m (394ft)	84m (276ft)
RL100-AI-30	RAYLUX 100, 30-60°	AI, white-light + PSU	65m (213ft)	46m (149ft)
RL100-AI-50	RAYLUX 100, 50-100°	AI, white-light + PSU	45m (184ft)	32m (103ft)
RL100-AI-120	RAYLUX 100, 120-180°	AI, white-light + PSU	18m (59ft)	13m (41ft)

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