

rayLUX 300

ULTIMATE ADAPTIVE ILLUMINATION

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 300 provides a world class 'White-Light' output of 110lm/W at the LED source, and an independently tested luminaire output of 7000 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. RAYLUX300 is suitable for all low light installations up to up to 240m (787ft).



POWERFUL

- Quick Start
- **PLATINUM⁶** LED technology
- 180° coverage up to 56m (184ft)
- 360° coverage with only 2 units

FLEXIBLE

- Ultimate 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

ULTIMATE ADAPTIVE ILLUMINATION™:



Narrow Angle



Wide Angle

WHITE-LIGHT IN USE:



White-Light off



White-Light on

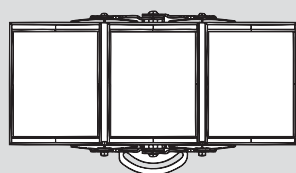
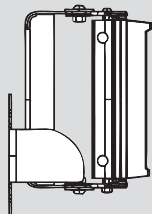
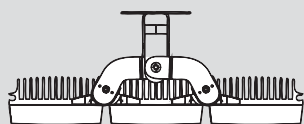
Version 6

APPLICATIONS



rayTEC[®]

TECHNICAL SPECIFICATIONS



ILLUMINATOR

Lumens:	Source 110 per watt lm/w – luminaire 120 lm/w
Total lumens*:	7,000 per luminaire
Max Distance:	up to 240m (787ft)
Angle:	Various - See Part Codes
Optics:	SMT LED's
Consumption:	120W max
Voltage:	14V current controlled
Colour Temperature**:	6500k
Colour	
Reproduction Index**:	74-80+
Weight:	6kg (13.2lbs)
Environmental:	IP66
Temp Range:	-50 to +50°C (-58 to 122°F)
Cable Length:	2.5m
Colour:	Silver
Wavelength:	White-Light
Dimensions:	420 x 195 x 66mm 16" x 8" x 3" approx

BRACKETRY

Large AI Circular bracket provided as standard.
Optional pole mount and wall mount brackets available

POWER SUPPLY

Input:	Universal 100-230V AC auto-sensing
Output:	120W max
Temperature:	-50 to +50°C (-58 to 122°F)
Weight:	2.4kg (5.3lbs)
Dimensions:	240mm x 160mm x 81mm 9" x 6" x 3" 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.

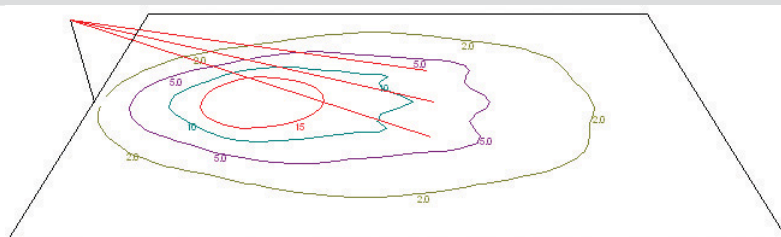
** Cool White as standard - Warm White options available. CRI published reflects range between Cool and Warm White.

5 YEAR WARRANTY

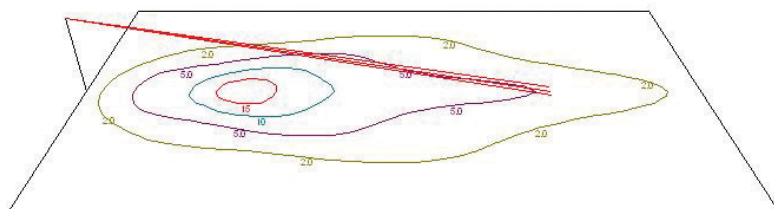
All Raytec CCTV illuminators are provided with a 5 year warranty, unmatched anywhere in the CCTV lighting industry. Raytec illuminators provide guaranteed long life!



Examples of PHOTOMETRIC DIAGRAMS for RL300 (Full photometry available)



Area 25m x 45m
6m mounting height
RL300-AI-50 shown at a 90° setting



Area 25m x 45m
6m mounting height
RL300-AI-50 shown at a 50° setting

PART CODES & DISTANCES

RL300-AI-05	RAYLUX 300, 5-15 degree
RL300-AI-10	RAYLUX 300, 10-30 degree
RL300-AI-30	RAYLUX 300, 30-90 degree
RL300-AI-50	RAYLUX 300, 50-180 degree

AI, White-Light + PSU
AI, White-Light + PSU
AI, White-Light + PSU
AI, White-Light + PSU

NARROW ANGLE

320m (1,049ft)
240m (787ft)
130m (427ft)
90m (295ft)

WIDE ANGLE

190m (623ft)
140m (459ft)
74m (243ft)
56m (184ft)



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