# 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 at 120lm/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.  RAYLUX300 is suitable for all low light installations up to up to 240m (787ft).

### ULTIMATE ADAPTIVE ILLUMINATION™:

Narrow Angle

Wide Angle

### WHITE-LIGHT IN USE:

White-Light off

White-Light on

### 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

Version 3.2

## APPLICATIONS

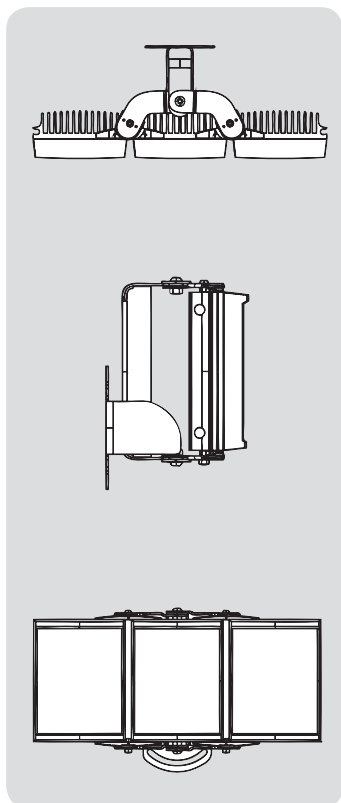PRISONS   WATER RESERVOIRS   INDUSTRIAL PARK   DOME SYSTEM   POWER PLANTS

## rayTEC

# TECHNICAL SPECIFICATIONS

## ILLUMINATOR

*Lumens:* Source 110 perwatt 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
U Bracket and Adaptive Illumination bracket included.

## POWER SUPPLY

*Input:* Universal 100-240V 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

**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.
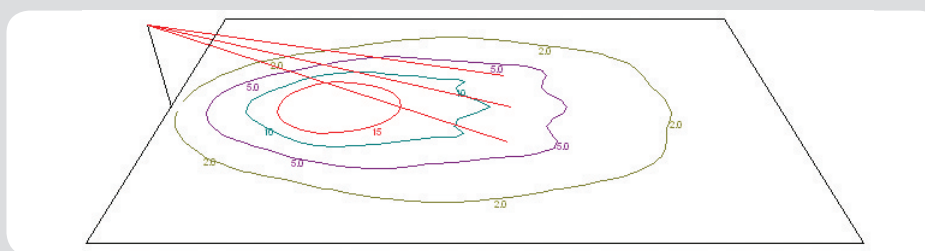
\*\* Cool White as standard - Warm White options available. CRI published reflects range between Cool and Warm White.
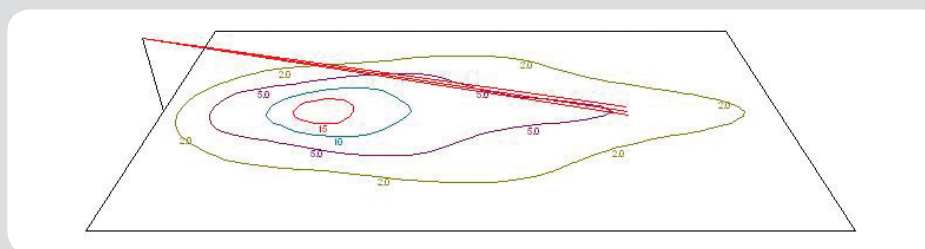
## 5 YEAR WARRANTY
All Raytec CCTV illuminators are provided with a 5 year warranty, unmatched anywhere in the CCTV lighting industry. Raytec illuminators provide guaranteed long life!

**5 YEAR WARRANTY**

# Examples of PHOTOMETRIC DIAGRAMS for 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

| | | | NARROW ANGLE | WIDE ANGLE |
|---|---|---|---|---|
| RL300-AI-10 | RAYLUX 300, 10-30 degree | AI, White-Light + PSU | 240m (787ft) | 140m (459ft) |
| RL300-AI-30 | RAYLUX 300, 30-90 degree | AI, White-Light + PSU | 130m (427ft) | 74m (243ft) |
| RL300-AI-50 | RAYLUX 300, 50-180 degree | AI, White-Light + PSU | 90m (295ft) | 56m (184ft) |

**rayTEC**

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