rayLUX 300
ULTIMATE ADAPTIVE ILLUMINATION

WHITE-LIGHT PRODUCT RANGE

The RL300 is the latest generation of the RAYLUX series, **designed specifically to work in conjunction with colour dome cameras.** RL300 provides World class performance, long life and ultra low maintenance. RL300 incorporates the very latest surface mount LED's to deliver excellent night-time pictures with improved optical output and outstanding reliability.

The unique Adaptive Illumination™ concept provides the flexibility to alter the angle of illumination on site to suit specific security needs and to match the camera's field of view. RAYLUX illuminators are also purpose designed to provide even output illumination.

Each unit is fitted with a Cool Running™ thermal management system to carefully control LED output and delivers 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. RL300 is suitable for all low light installations using colour cameras.

ULTIMATE ADAPTIVE ILLUMINATION™:

Narrow Angle   Wide Angle

APPLICATIONS

PRISONS   WATER RESERVOIRS   INDUSTRIAL PARK   DOME SYSTEM   POWER PLANTS

POWERFUL
- Distances up to 150m (492ft)
- Latest LED technology
- 180° coverage up to 35m
- 360° coverage with only 2 units

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

RELIABLE
- 10 year life
- Cool Running™ thermal management system
- Vandal Resistant

CONTROLLED
- Excellent Colour Rendition
- Even Output Illumination
- Low Running Costs

rayTEC

ADAPTIVE ILLUMINATION™

Adaptive Illumination™ allows the installer to adjust the angle of the light projection from a single unit to fit the specific demands of any installation. Adjustment is quick and convenient and any angle upto 180 degrees (depending on model) is easily selectable. Adaptive Illumination is patent pending technology available exclusively from Raytec.

COOL RUNNING™ Thermal Management System

Cutting edge materials science techniques have been employed to improve thermal efficiency throughout the unit. Cool Running™ is specifically designed to allow all Raytec LED products to provide exceptionally long life - up to 10 years.

SMT (Surface Mount Technology)

The future of lighting is surface mount LED technology. Compared to standard through hole LED's, surface mount LED's are a more robust solution increasing reliability and improving product life. They are also far more efficient at the dissipation of heat allowing the LED's to run at higher power and achieve significantly improved performance.

VANDAL RESISTANT

The polycarbonate lens design protects against severe blows from crowbars, baseball bats and can even withstand successive shots from air pistols and rifles (range dependant).

ENERGY SAVING

All Raytec illuminators use high efficiency LED's and advanced control methods to deliver extremely low electrical consumption. Raytec illuminators are energy saving and deliver huge savings in running costs compared to traditional bulb illuminators.
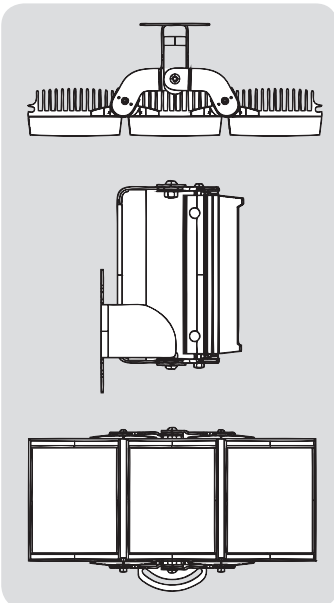
HIGH DEFINITION LIGHTING

High Definition Lighting allows cameras to provide crystal clear, high signal images during the hours of darkness. The breakthrough in HD lighting is made possible with Raytec's high power LED technology delivering increased power on scene.

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

TECHNICAL SPECIFICATIONS

ILLUMINATOR

Max Distance:	up to 150m (492ft)
Angle:	Various - See Part Codes
Optics:	SMT LED's
Consumption:	120W max
Voltage:	14V current controlled
Weight:	6kg
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.

PB-360   Pole Bracket - 360° to mount up to 4 units
PB-180   Pole Bracket - 180° to mount up to 2 units

POWER SUPPLY

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

Standard PSU *(included)*
Adjustable photocell
Adjustable power output for IR
Telemetry Control

Premium PSU *(add ~PR to part code)*
All standard PSU features PLUS:
Photocell following contact for switching of dual mode cameras
12V dc output to power cameras

Pulsed PSU *(add ~PU to part code)*
To pulse Raytec lights in sync with cameras.
Power Adjustment
Video In and Video Out connections to sync light and camera,
12V dc output to power cameras

PART CODES & DISTANCES

Part Code	Description	Type	NARROW ANGLE	WIDE ANGLE
RL300-AI-10	RAYLUX 300, 10-30 degree	AI, White-Light + PSU	150m (492ft)	100m (328ft)
RL300-AI-30	RAYLUX 300, 30-90 degree	AI, White-Light + PSU	75m (246ft)	50m (164ft)
RL300-AI-50	RAYLUX 300, 50-180 degree	AI, White-Light + PSU	50m (165ft)	34m (112ft)
RL300-AI-120	RAYLUX 300, 120-180+ degree	AI, White-Light + PSU	30m (98ft)	20m (66ft)