

rayMAX 300

ULTIMATE ADAPTIVE ILLUMINATION



INFRA-RED PRODUCT RANGE

The RM300 is the latest generation of the RAYMAX series, **designed specifically to work in conjunction with fully functional domes.** RM300 provides World class performance, long life and ultra low maintenance. RM300 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. RAYMAX 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.

RAYMAX illuminators are supplied with bracket and power supply. Control features on the power supply include adjustable power output, photocell and telemetry control. RAYMAX 300 is suitable for all low light installations up to 370 metres. (1,214ft)

ULTIMATE ADAPTIVE ILLUMINATION™:



Narrow Angle



Wide Angle

APPLICATIONS



POWERFUL

- Distances up to 370m (1,214ft)
- Latest LED technology
- 180° coverage up to 100m
- 360° coverage with only 2 units

FLEXIBLE

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

RELIABLE

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

CONTROLLED

- Zero Light Pollution
- Even Output Illumination
- Semi-Covert (850nm) or Covert (950nm) Options

rayTEC®

www.rayteccctv.com



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.



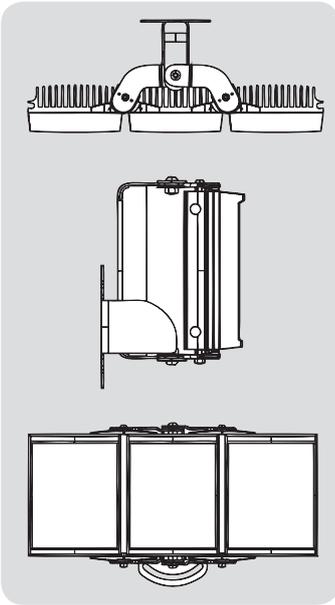
HIGH DEFINITION LIGHTING

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!



TECHNICAL SPECIFICATIONS



ILLUMINATOR
Max Distance: up to 370m (1,214ft)
Angle: Various - See Part Codes
Optics: SMT LED's
Consumption: 120W max
Voltage: 13.5V current controlled
Weight: 6kg
Environmental: IP66
Temp Range: -50 to +50°C (-58 to 122°F)
Cable Length: 2.5m
Colour: Black
Wavelength: 850 or 950nm
Dimensions: 420 x 195 x 66mm
 16" x 8" x 3" approx

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

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

PART CODES & DISTANCES			NARROW ANGLE	WIDE ANGLE
RM300-AI-10	RAYMAX 300, 10-30 degree	AI, 850nm + PSU	370m (1,214ft)	220m (722ft)
RM300-AI-30	RAYMAX 300, 30-90 degree	AI, 850nm + PSU	200m (656ft)	120m (394ft)
RM300-AI-50	RAYMAX 300, 50-180 degree	AI, 850nm + PSU	140m (460ft)	100m (328ft)
RM300-AI-120	RAYMAX 300, 120-180+ degree	AI, 850nm + PSU	80m (262ft)	50m (164ft)
RM300-AI-10-C	RAYMAX 300, 10-30 degree	AI, 950nm + PSU		Contact Raytec
RM300-AI-30-C	RAYMAX 300, 30-90 degree	AI, 950nm + PSU		Contact Raytec
RM300-AI-50-C	RAYMAX 300, 50-180 degree	AI, 950nm + PSU		Contact Raytec
RM300-AI-120-C	RAYMAX 300, 120-180+ degree	AI, 950nm + PSU		Contact Raytec