rayMAX 150

ULTIMATE ADAPTIVE ILLUMINATION

INFRA-RED PRODUCT RANGE

The RM150 is the latest generation of the RAYMAX series, **designed specifically to work in conjunction with fully functional domes.** RM150 provides World class performance, long life and zero maintenance. RM150 incorporates the very latest surface mount LED's to deliver excellent night-time pictures with improved optical output and outstanding reliability.

Ultimate Adaptive Illumination™ provides maximum flexibility to alter the angle of illumination on site to suit specific security needs. RAYMAX illuminators are also purpose designed to provide even output illumination.

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.

RAYMAX illuminators are supplied with bracket and power supply. Control features on the power supply include adjustable power output, photocell and telemetry control. RAYMAX 150 is suitable for all low light installations up to 183 metres (600ft).

ULTIMATE ADAPTIVE ILLUMINATION™:

Narrow Angle

Wide Angle

INFRA-RED IN USE:

Infra-Red off

Infra-Red on

POWERFUL
- Distances up to 183m (600ft)
- Latest LED technology
- 180° coverage up to 37m (121ft)
- 360° coverage with only 2 units

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

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

CONTROLLED
- Zero Light Pollution
- Even Output Illumination
- Semi-Covert (850nm) or Covert (940nm) Options

APPLICATIONS

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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 up to 180 degrees (depending on model) is easily selectable. Adaptive Illumination is patent pending technology available exclusively from Raytec.

ACTIVE LED LIFE CONTROL

All Raytec illuminators employ cutting edge materials science techniques to improve thermal efficiency throughout the unit and ensure continuity of LED power. The New Advanced Cool Running™ system draws heat away from the LEDs, shielding the LED from abnormal stress, and allows Raytec LED products to deliver outstanding performance and consistency of illumination throughout the operational life of the illuminator.

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

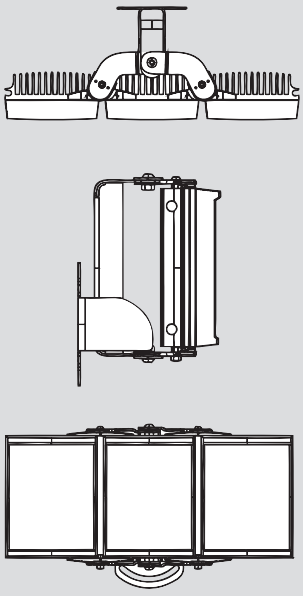
High Definition Lighting allows cameras to provide crystal clear, high signal images during the hours of darkness. The breakthrough in HD lighting is made possible with Raytec's high power LED technology delivering increased power on scene.

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 183m (600ft)
Angle:	Various - See Part Codes
Optics:	SMT LED's
Consumption:	75W max
Voltage:	13.5V current controlled
Weight:	3.75kg (8.3lbs)
Environmental:	IP66
Temp Range:	-50 to +50˚C (-58 to 122˚F)
Cable Length:	2.5m
Colour:	Black
Wavelength:	850 or 940nm
Dimensions:	315 x 135 x 55mm 12" x 5" x 2" 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:	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.

PART CODES & DISTANCES

			NARROW ANGLE	WIDE ANGLE
RM150-AI-10	RAYMAX 150, 10-30 degree	AI, 850nm + PSU	183m (600ft)	100m (328ft)
RM150-AI-30	RAYMAX 150, 30-90 degree	AI, 850nm + PSU	100m (328ft)	53m (174ft)
RM150-AI-50	RAYMAX 150, 50-180 degree	AI, 850nm + PSU	70m (230ft)	37m (121ft)
RM150-AI-10-C	RAYMAX 150, 10-30 degree	AI, 940nm + PSU	Contact Raytec	
RM150-AI-30-C	RAYMAX 150, 30-90 degree	AI, 940nm + PSU	Contact Raytec	
RM150-AI-50-C	RAYMAX 150, 50-180 degree	AI, 940nm + PSU	Contact Raytec	

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