rayMAX
PANORAMIC ULTRA
300 AND 150 SERIES

Ultra Wide Angle Infra-Red

The new RAYMAX Panoramic Ultra illuminators represent the latest development in ultra wide 180° illumination, for seamless, full scene CCTV images at night. Panoramic Ultra illuminators now offer a much better spread of light and longer illumination with distances up to 150m (492ft) at 180°, making them perfect for wide angle, PTZ, multi-sensor, or 360° dome cameras covering large areas.

Panoramic Ultra illuminators use holographic lens technology to produce outstanding even illumination at a beam angle of 180 degrees (horizontal) x 10 degrees (vertical). All units feature Hot Spot Reduction Technology (HRT), allowing Panoramic Ultra illuminators to deliver longer illumination distances without creating short range hot spots caused by over-exposure.

Panoramic illuminators incorporate the latest surface mount LED technology to deliver class leading performance, long life, energy efficiency and zero maintenance, and are supported with an industry leading 5 year warranty. Ultimate Adaptive Illumination™ is a standard feature which allows the angle of illumination to be quickly and easily adjusted onsite anywhere from 60-180° to match the specific camera field of view.

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.

Panoramic Ultra illuminators are supplied with bracket and power supply. Control features on the power supply include adjustable power output, photocell and telemetry control. Panoramic lighting now makes high performance illumination for dome cameras more affordable, with longer distances than ever before.

Features

- 180° coverage up to 150m (492ft)
- 360° coverage with only 2 units
- Latest SMT LED Technology
- Ultimate Adaptive Illumination™
- HRT Hot-spot Reduction Technology
- Even Output illumination
- Active LED Life Control
- 10 year life
- Semi-Covert (850nm) or Covert (940nm) Options
- Fully Controllable Power Supply
- Perfect for PTZ domes or multi-sensor cameras

Why Raytec

- UK Designed & Manufactured
- 100% Lighting Specialists
- Worldwide distributor support
- Full Lighting design and full technical support services
- ISO9001 and ISO140001 accredited
- Award Winning Technology

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Extended Features

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 and focussed elliptical beam patterns which combine to deliver more power on scene.

Latest SMT LED Technology

Panoramic Ultra illuminators use cutting edge SMT LED technology together with specialist Raytec optics and an enhanced Cool Running™ thermal management system to deliver a single high performance LED illuminator. The result is World leading power, reliability and flexibility.

Ultimate Adaptive Illumination™

Ultimate 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 from 60-180 degrees (depending on model) is easily selectable.

Hot-Spot Reduction Technology

Hot-Spot Reduction Technology (HRT) delivers a highly diffused, elliptical beam shape to deliver more light where it is needed, generating both longer distances and minimising light wastage. The HRT system also minimises overexposure of foreground objects

Active LED Life Control

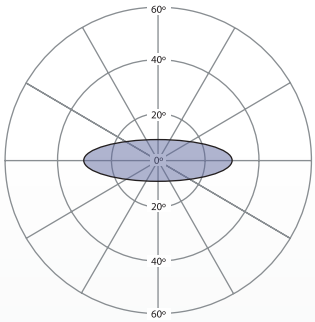
All Raytec illuminators employ cutting edge materials science techniques to improve thermal efficiency throughout the unit and ensure continuity of LED power. The Advanced Cool Running™ system draws heat away from the LEDs and allows Raytec LED products to deliver outstanding performance and consistency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

Energy Saving

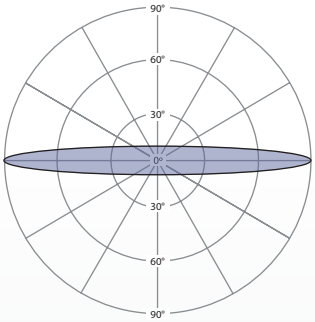
All Raytec illuminators use high efficiency LED's and advanced control methods to deliver extremely low electrical consumption. Raytec illuminators are energy saving and deliver huge savings in running costs compared to traditional bulb illuminators.

Panoramic Beam patterns

60° x 10°



180° x 10°



Panoramic in use:

Panoramic off

Panoramic on

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5 YEAR WARRANTY

All Raytec luminaires are provided with an industry leading 5 year warranty and have an expected useful life in excess of 10 years

Technical Specifications

Illuminator

Max Distance:	300 series - 260m (853ft) 150 series - 170m (558ft)
Angle:	60 x 10° (fitted as standard)
Optics	SMT LED's
Consumption:	300 series - 165W 150 series - 105W
Voltage:	15V current controlled
Weight:	300 series - 6kg (13.2lbs) 150 series - 3.7kg (8.3lbs)
Environmental:	IP66
Temp Range:	-50 to +50˚C (-58 to 122˚F)
Cable Length:	2.5m
Colour:	Black
Wavelength:	850nm
Dimensions:	300 series - 420 x 195 x 66mm (16" x 8" x 3" approx) 150 series - 315 x 135 x 55mm (12" x 5" x 2" approx)

Power Supply

Input:	Universal 100-230V AC auto-sensing
Output:	165W max
Temperature:	-50 to +50°C (-58 to 122°F)
Weight:	2.4kg (5.3lbs)
Environmental:	IP66
Dimensions:	240mm x 160mm x 81mm 9" x 6" x 3" approx

Standard PSU (Included)

Adjustable photocell

Adjustable power output

Telemetry Control

Bracketry

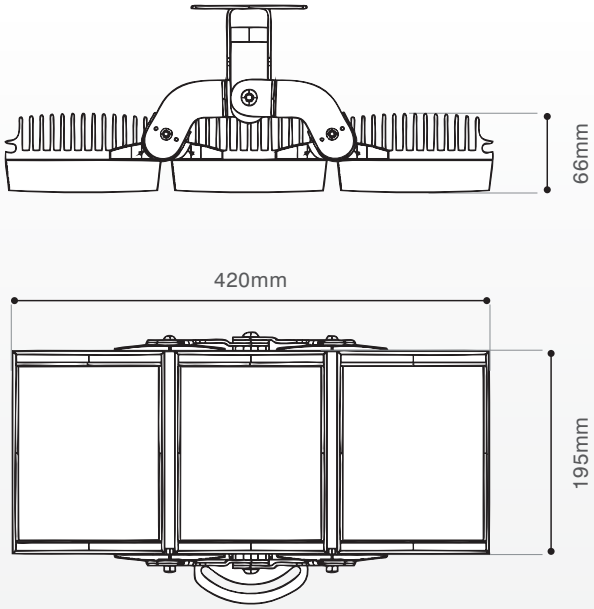
Large AI Circular bracket provided as standard on 300 series. AI Circular bracket provided as standard on 150 series. Optional pole mount and wall mount brackets available.

Raymax Panoramic Ultra 300 & 150 series

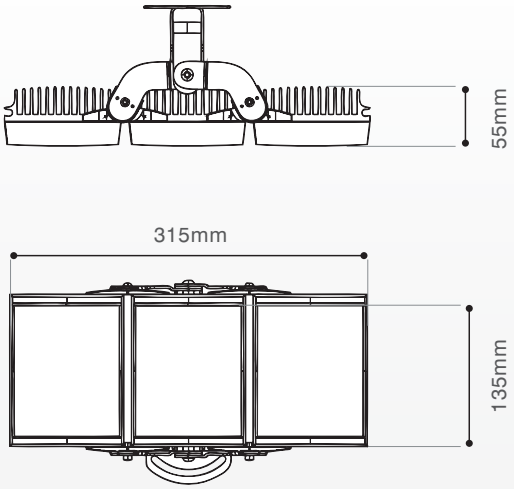
Part Codes	Description	Narrow Angle	Wide Angle
RM300-AI-PANUT	RAYMAX 300, Panoramic Ultra Illumination, 60-180x10° AI, 850nm + PSU	260m (853ft) at 60°	150m (492ft) at 180°
RM150-AI-PANUT	RAYMAX 150, Panoramic Ultra Illumination, 60-180x10° AI, 850nm + PSU	170m (558ft) at 60°	100m (328ft) at 180°

Product Dimensions

Panoramic Ultra 300



Panoramic Ultra 150



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