# rayMAX
# PANORAMIC ULTRA

## 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 5 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 Platinum Elite SMT LED's 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.
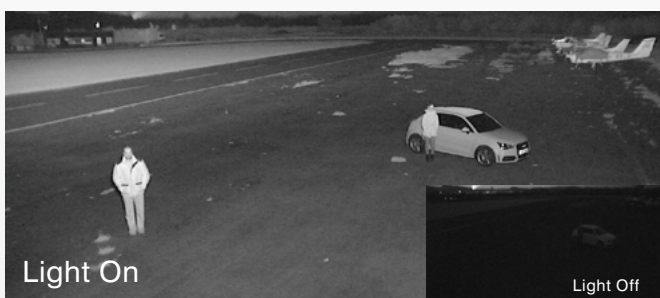
Each unit is fitted with Active LED Life Control to carefully control LED output, delivering consistent illumination power and a projected working life of 10 years.

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.

## At a Glance

- 180° coverage up to 150m (492ft)
- 360° coverage with only 2 units
- Latest Platinum Elite SMT LED's
- Perfect for PTZ domes or multi-sensor cameras
- Even Output illumination

- HRT Hot-spot Reduction Technology
- Ultimate Adaptive Illumination™
- Various Angles (60°–180° x 5°)
- Active LED Life Control
- 10 year life
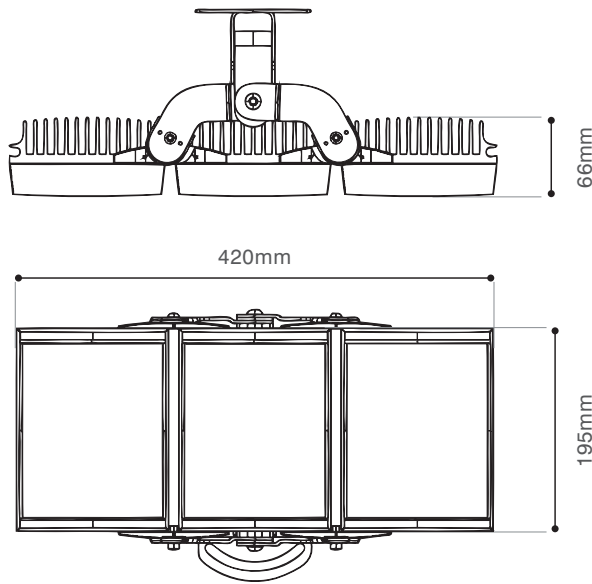
### Illuminate Large Areas



Light On
Light Off

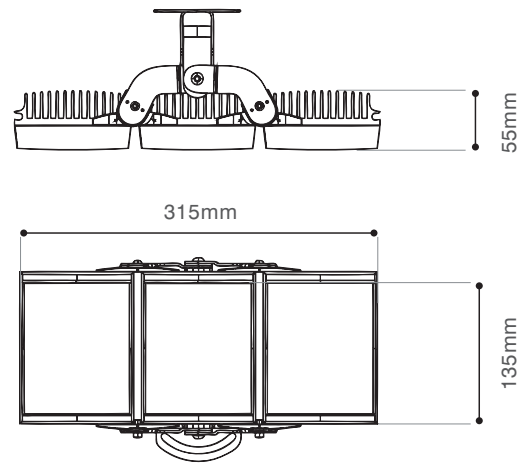### Capture Every Detail



Zoomed In
Zoomed Out

Version 1

# rayTEC

# Product Dimensions

Panoramic Ultra 300

Panoramic Ultra 150

66mm

55mm

420mm

315mm

195mm

135mm

## Features

## Benefits

**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 Platinum Elite SMT LED's**

Panoramic Ultra illuminators use cutting edge Platinum Elite SMT LED's 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.

# Technical Specifications

## Illuminator

| | |
|---|---|
| Max Distance | 300 series - 260m (853ft)<br>150 series - 170m (558ft) |
| Angle | Angle: 60 x 5° (fitted as standard) |
| LED's | Platinum Elite SMT LED's |
| Consumption | 300 series - 165W<br>150 series - 105W |
| Voltage | 15V current controlled |
| Weight | 300 series - 6kg (13.2lbs)<br>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<br>(16" x 8" x 3" approx)<br>150 series - 315 x 135 x 55mm<br>(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<br>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.

# Product Codes

| Part Codes | Description | Narrow Angle | Wide Angle |
|---|---|---|---|
| RM300-AI-PANUT | RAYMAX 300, Panoramic Ultra Illumination, 60 - 180 x 5° AI, 850nm + PSU | 260m (853ft) at 60° | 150m (492ft) at 180° |
| RM150-AI-PANUT | RAYMAX 150, Panoramic Ultra Illumination, 60 - 180 x 5° AI, 850nm + PSU | 170m (558ft) at 60° | 100m (328ft) at 180° |

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