

# rayMAX PANORAMIC

300 AND 150 SERIES

## ULTRA WIDE ANGLE INFRA-RED

The new series of RAYMAX Infra-Red Panoramic illuminators represent the latest development in ultra wide 180° illumination, for seamless, full scene CCTV images at night. Panoramic illuminators now offer a much better spread of light and longer illumination distances, making them perfect for wide angle, PTZ or 360° dome cameras covering large areas.

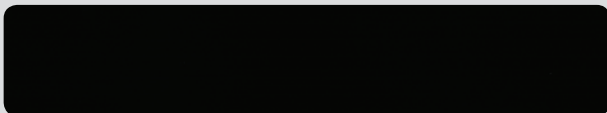
All Panoramic illuminators utilise holographic lens technology to spread and control the light, creating a softer and more even distribution. Panoramic units feature Hot-Spot Reduction Technology (HRT), directing the light where it is most needed to not only deliver longer illumination distances and minimise light waste, but also to provide full scene coverage without hot spots caused by over-exposure.

RAYMAX Panoramic illuminators incorporate the latest surface mount LED technology to deliver provide class leading performance, long life, energy efficiency and zero maintenance. Panoramic illuminators also feature an Adaptive Illumination™ system 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.

RAYMAX 300 and 150 series Panoramic 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 before.

## PANORAMIC IN USE:



Infra-Red off



Infra-Red on

## RAYMAX 300



## RAYMAX 150



## POWERFUL

- **PLATINUM®** LED Technology
- Seamless full scene illumination
- 180° coverage up to 95m (312ft)
- 360° coverage with only 2 units

## FLEXIBLE

- Ultimate Adaptive Illumination™
- Various Angles (60°-180°x25°)
- Fully Controllable Power Supply

## RELIABLE

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

## CONTROLLED

- HRT Hot-spot Reduction Technology
- Zero Light Pollution
- Even Output Illumination
- Semi-Covert (850nm) or Covert (940nm) Options

Version 1

## APPLICATIONS



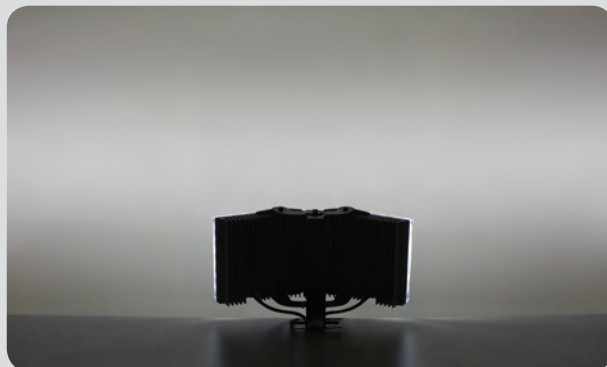
rayTEC®

## ENHANCED EVEN ILLUMINATION

Traditional Wide Angle Lighting



Panoramic Ultra Wide Angle Lighting



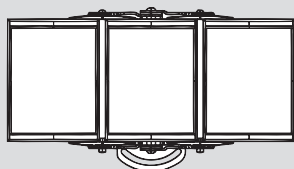
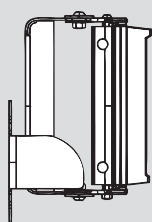
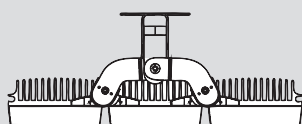
NB: Example shows White-Light illumination for demonstration purposes only

### 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

<i>Max Distance:</i>	300 series - 160m (525ft) 150 series - 130m (427ft)
<i>Angle:</i>	60-180 x25 °
<i>Optics:</i>	SMT LED's
<i>Consumption:</i>	300 series - 165W 150 series - 105W
<i>Voltage:</i>	14V current controlled
<i>Weight:</i>	300 series - 6kg(13.2lbs) 150 series - 3.7kg (8.3lbs)
<i>Environmental:</i>	IP66
<i>Temp Range:</i>	-50 to +50°C (-58 to 122°F)
<i>Cable Length:</i>	2.5m
<i>Colour:</i>	Black
<i>Wavelength:</i>	850nm
<i>Dimensions:</i>	300 series - 420 x 195 x66mm - (16" x8" x 3" approx) 150 series - 315 x135 x55mm - (12" x 5" x2" approx)

### BRACKETRY

U Bracket and Adaptive Illumination bracket included.  
Optional pole mount and wall mount brackets available

### POWER SUPPLY

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

### Standard PSU (included)

Adjustable photocell  
Adjustable power output  
Telemetry Control

### PART CODES & DISTANCES

RM300-AI-PAN	RAYMAX 300, Panoramic Illumination, 60-180°x25°	AI, 850nm + PSU
RM150-AI-PAN	RAYMAX 150, Panoramic Illumination, 60-180°x25°	AI, 850nm + PSU

### NARROW ANGLE WIDE ANGLE

160m (525ft)	95m (312ft)
130m (427ft)	78m (256ft)

940nm options available on request.



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