RAYLED PRODUCTS
AT A GLANCE

now including

Vario
covers every angle

www.rayled.com

PRODUCT RANGE AT A GLANCE

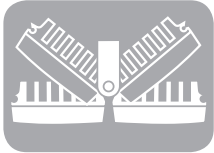| RAYMAX INFRA-RED	RAYLUX WHITE-LIGHT	VARIO MULTI-ANGLE	RAYLUX URBAN	SPECIALIST PRODUCTS
300 SERIES Up to 370m (1,214ft)	300 SERIES Up to 240m (787ft)	VARIO i8 SERIES Up to 200m (656ft)	UBA48 ADAPTIVE SERIES	RAYMAX PLATINUM Up to 1,000m (3,280ft)
200 SERIES Up to 300m (985ft)	200 SERIES Up to 200m (656ft)	VARIO i4 SERIES Up to 120m (394ft)	UBA32 ADAPTIVE SERIES	EXPLOSION PROTECTED
150 SERIES Up to 183m (600ft)	150 SERIES Up to 150m (492ft)	VARIO i2 SERIES Up to 65m (213ft)	UBF24 FIXED SERIES	PoE LIGHTING
100 SERIES Up to 150m (492ft)	100 SERIES Up to 120m (394ft)	VARIO w8 SERIES Up to 150m (492ft)	UBF16 FIXED SERIES	PAN AND TILT LIGHTING
50 SERIES Up to 75m (246ft)	50 SERIES Up to 60m (197ft)	VARIO w4 SERIES Up to 90m (295ft)		HYBRID LIGHTING
25 SERIES Up to 20m (66ft)	25 SERIES Up to 20m (66ft)	VARIO w2 SERIES Up to 50m (164ft)		PRO SERIES PSU REMOTE CONTROL LIGHTING

WHY RAYLED?

INNOVATION + ILLUMINATION

RayLED are world leaders in the design and manufacture of specialist LED lighting systems for applications where security and safety really matter.

RayLED manufacture a complete range of Infra-Red and White-Light illuminators for CCTV and a range of White-Light products specifically designed for wide area, multi-purpose/general lighting applications.

ADAPTIVE ILLUMINATION™

Designed for RAYMAX Infra-Red and RAYLUX White-Light illuminators, 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 available exclusively from RayLED.

ACTIVE LED LIFE CONTROL

All RayLED 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 RayLED LED products to deliver outstanding performance and consistency of illumination throughout the operational life of the illuminator.

5 YEAR WARRANTY

All RayLED CCTV illuminators are provided with a 5 year warranty, unmatched anywhere in the CCTV lighting industry. RayLED illuminators provide guaranteed long life!

SMT (SURFACE MOUNT TECHNOLOGY)
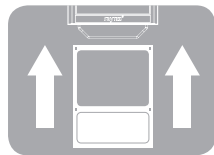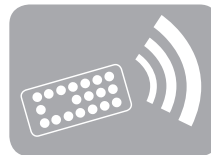
PLATINUM ADVANCED LED TECHNOLOGY

ENERGY SAVING

VANDAL RESISTANT

QUICK START LIGHTING

INTERCHANGEABLE LENSING

REMOTE CONTROL

HOT-SPOT REDUCTION TECHNOLOGY

RAYLED PRODUCT RANGE AT A GLANCE

rayMAX INFRA-RED

All RayLED illuminators incorporate the very latest surface mount Light Emitting Diode (LED) technology to deliver excellent night time pictures, with class leading performance and outstanding reliability.

5 YEAR WARRANTY

WHY RAYMAX?

NO LIGHT = NO PICTURE

RAYMAX Infra-Red illuminators are designed to work in conjunction with B&W or Day and Night Cameras providing a light invisible to the human eye but visible to the CCTV camera.

KEY FEATURES

- Adaptive Illumination™
- Latest Surface Mount LED Technology
- Active LED Life Control
- Angles from 10˚ to 180˚+
- Vandal Resistant
- Low Running Cost
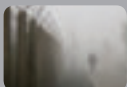- Zero Maintenance
- Energy Saving

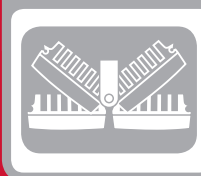### APPLICATIONS

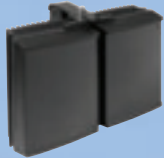| PORTS | INDUSTRIAL PARK | AIRPORTS | MILITARY BASE | DOME SYSTEM |

360˚ Illumination

DESIGNED FOR DOMES
RayLED Adaptive Illumination is perfect for Domes, with wide angle options up to 180 degrees.

RAYMAX 300
Distance>370m (1,214ft)

RAYMAX 200
Distance>300m (985ft)

RAYMAX 150
Distance>183m (600ft)

RAYMAX 100
Distance>150m (492ft)

RAYMAX 50
Distance>75m (246ft)

RAYMAX 25
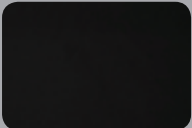Distance>20m (66ft)

RAYMAX IN ACTION

RM300-AI-50 Perfect for Fully Functional Domes

WHY INFRA-RED?

NO LIGHT = NO PICTURE

- Invisible to the Human Eye
- No Light Pollution
- Long Distance illumination
- Designed for CCTV
- Optimise Camera Performance

IR - OFF

IR - ON

IR - OFF

IR - ON
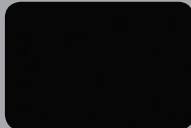
Product: RM300-AI-10

Distance: 300m (985ft)

Product: RM200-AI-10

Distance: 100m+ (328ft)

All RAYMAX and RAYLUX illuminators are provided with standard PSU, offering power adjust, photocell adjust and telemetry input. See page 11 for PRO Series PSU, providing additional functionality and remote control.

RAYMAX INFRA-RED

rayLUX WHITE-LIGHT

RAYLUX White Light illuminators incorporate RayLED's Platinum technology as standard delivering superior quick start, low energy, visible illumination perfect for CCTV lighting.

5 YEAR WARRANTY

WHY RAYLUX?

NO LIGHT = NO PICTURE

RAYLUX illuminators are designed to work in conjunction with colour CCTV systems providing a visible White Light with accurate colour representation for the CCTV camera.

KEY FEATURES

- Accurate Colour Representation
- Adaptive Illumination™
- Latest Surface Mount LED Technology
- Active LED Life Control
- Angles from 10˚ to 180˚+
- Vandal Resistant
- Low Running Cost
- Zero Maintenance
- Energy Saving

APPLICATIONS

| PRISONS | POWER PLANTS | WATER FACILITY | HOSPITALS | HIGH END RESIDENTIAL |

LIGHTING ON DEMAND

All RAYLUX units can be combined with detection technologies to deliver event activated illumination. Combine with PRO Series PSU - for timer, deterrent and remote control lighting options.

PLATINUM

All RAYLUX products are now powered by PLATINUM technology

RAYLUX 300
Distance>240m (787ft)

RAYLUX 200
Distance>200m (656ft)

RAYLUX 150
Distance>150m (492ft)

RAYLUX 100
Distance>120m (394ft)

RAYLUX 50
Distance>60m (197ft)

RAYLUX 25
Distance>20m (66ft)
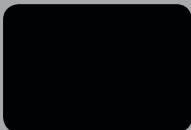
RAYLUX IN ACTION

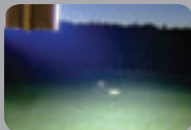# WHY WHITE-LIGHT?

NO LIGHT = NO PICTURE

- Optimise Colour Camera Performance
- Achieve Accurate Colour even at Night
- Visible Deterrent to Deter the Criminal
- Quick Start
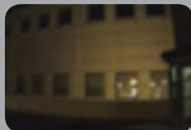- Designed for CCTV
- Can be Multi Purpose

WL - OFF

WL - ON

WL - OFF

WL - ON

Product: RL200-AI-10

Distance: 150m (492ft)

Product: RL100-AI-50

Distance: 30m (98ft)

All RAYMAX and RAYLUX illuminators are provided with standard PSU, offering power adjust, photocell adjust and telemetry input. See page 11 for PRO Series PSU, providing additional functionality and remote control.

RAYLUX WHITE-LIGHT

VARIO covers every angle

VARIO is a complete family of Infra-Red and White-Light low voltage illuminators delivering the ultimate in functionality, flexibility and reliability. VARIO illuminators combine the latest advances in optics, remote control, electronic feedback and green technology into an outstanding all-round package.

VARIO i8
Distance>200m (656ft)

VARIO i4
Distance>120m (394ft)

VARIO i2
Distance>65m (213ft)

VARIO w8
Distance>150m (492ft)

VARIO w4
Distance>90m (295ft)

VARIOw2
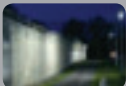Distance>50m (164ft)

5 YEAR WARRANTY

WHY VARIO?

KEY FEATURES

- VARIO interchangeable lensing
- VARIO remote control (as option)
- VARIO LED status indicator
- VARIO Hot-spot reduction technology

APPLICATIONS

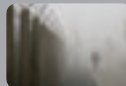**PERIMETER SECURITY**   **MONITORED SITE**   **PRISONS**   **POWER PLANTS**   **MILITARY BASE**

GREEN TOUCH TECHNOLOGY

In-built green features such as power adjust, telemetry control and timer function enhance the potential for energy savings. Fully recyclable packaging minimises physical waste and less light is wasted with the use of elliptical beam patterns. All VARIO units deliver high performance with low running costs.

INTERCHANGEABLE LENS SYSTEMS
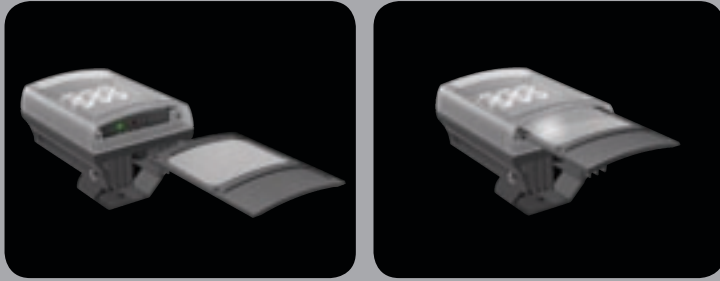
COVERS EVERY ANGLE

At the heart of VARIO is a holographic lens system that allows the user to change the angle of light by changing the VARIO lens. A wide range of lenses are available to ensure that VARIO illuminators meet the demands of any installation. A standard VARIO illuminator delivers 10° circular, 35x10° and 60x25° elliptical angles out of the box. Other VARIO lenses are available on request.
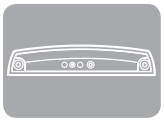
VARIO REMOTE CONTROL

1 man installation, reduces both cost and time of installation. Allows set up quickly and safely from ground level and provides access to advanced set up features.
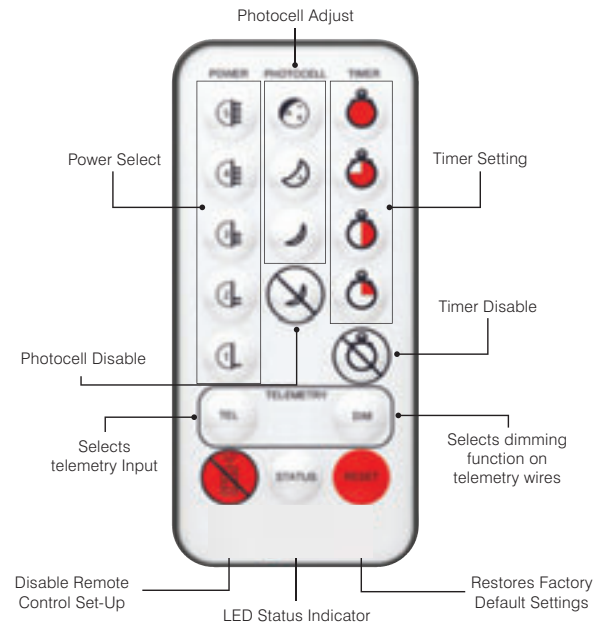
HRT - HOT-SPOT REDUCTION TECHNOLOGY

HRT - hot-spot reduction technology delivers a highly diffused, elliptical beam shape to deliver more even illumination and light where it is needed, generating both longer distances and minimizing light wastage. The HRT system also prevents overexposure of foreground objects for excellent CCTV images.
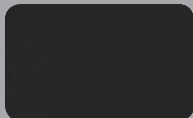
LED STATUS INDICATOR

Quick operational feedback on status and performance of the illuminator. Allows simple and quick commissioning of the installation and easy maintenance reviews.

REMOTE CONTROL FEATURES

Photocell Adjust

Power Select

Timer Setting

Timer Disable

Photocell Disable

Selects telemetry Input

Selects dimming function on telemetry wires

Disable Remote Control Set-Up

LED Status Indicator

Restores Factory Default Settings

VARIO - OFF	VARIO - ON	VARIO - ON	TECH COMPARISON
Product: VARIO i8	Distance: 60m (197ft) 35 x 10° elliptical beam	VARIO facial close up	Product: Low Voltage 35° circular beam

ray*LUX* URBAN

The RAYLUX Urban series delivers crystal clear, energy saving White-Light, for both CCTV and commercial down-lighting applications.

UBA48 ADAPTIVE SERIES   UBA32 ADAPTIVE SERIES   UBF24 FIXED SERIES   UBF16 FIXED SERIES

5 YEAR WARRANTY

WHY URBAN?

RAYLUX Urban provides White-Light for safer environments when lighting is required not just for cameras, but also for people. Urban illuminators are designed for down-lighting applications including car parks, schools, colleges, hospitals and pathways.

KEY FEATURES

- Crystal Clear White-Light LED
- Low Power Consumption
- Zero Maintenance
- Quick Start
- Multi-Purpose Down Lighting
- CCTV and Commercial Applications
- Bespoke Beam Patterns
- Attractive Design

APPLICATIONS

CAMPUS   CAR PARKS   PATHWAY   URBAN   RECREATIONAL

DOUBLE PANEL ILLUMINATION   **MULTI HEAD VERSION AVAILABLE**

SPECIALIST APPLICATIONS

RayLED are committed to delivering innovative lighting solutions and are happy to discuss your special project requirements.

PLATINUM⁶
HIGH PERFORMANCE

- Longest Range - 1,000m+ (3,280ft)
- Widest Angle - 180 degrees
- Longest Life - 10 years

EXPLOSION PROTECTED

- Explosion protected for hazardous areas
- Distances up to 150m (492ft)
- Available in Infra-Red and White-Light

PoE LIGHTING

- Infra-Red & White-Light
- PoE Input (or 12-24V)
- Higher Power - Low Energy
- Internal and External
- Distances up to 60m (197ft)

PAN AND TILT LIGHTING

- Weight Balanced for pan and tilt systems
- Distances up to 200m (656ft)

HYBRID

- Infra-Red for covert surveillance
- White-Light for deterrent
- Distances up to 300m (984ft)

PRO SERIES PSU
REMOTE CONTROL LIGHTING

- Increased functionality - tailored lighting
- Programmable Plug-in Modules
- Remote Control
- 12V DC output and photocell following contact
- Eco Logic economy setting, remote dim, boost, deterrent, timer and pulse settings

PRO IQ MODULE   PULSE MODULE
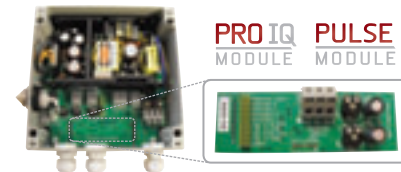
Contact us for other Specialist Applications including…

MACHINE VISION

PETROCHEMICAL

MARINE

TRANSPORT

SOLAR

Illumination for any CCTV application

INFRA-RED LED

WHITE-LIGHT LED

VARIO MULTI- ANGLE

URBAN WHITE-LIGHT