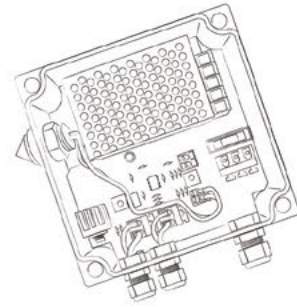




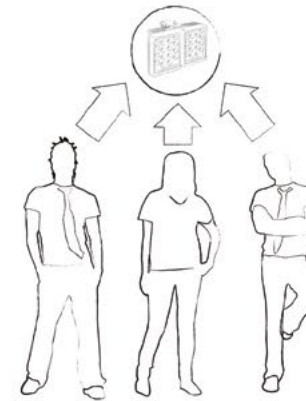
## PRODUCT OVERVIEW

includes network illuminators



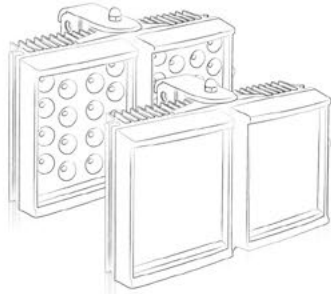
## Committed to technology

Raytec products combine cutting edge technologies with the highest levels of quality to deliver outstanding performance and reliability. Our philosophy is innovation+illumination and we will always look to lead lighting trends in the market.



## Lighting specialists

Raytec and all our people are 100% focused on lighting. Everything from product design, to manufacture, to sales and after sales service is under one roof at our HQ, near Newcastle, UK.



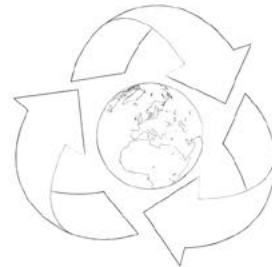
# rayTEC<sup>®</sup>

## Who are we?

We are the world leaders in CCTV lighting, providing a range of LED illuminators to create a safer global environment. Our drive is to improve the safety of any area at night and to improve the performance of any CCTV system under darkness.

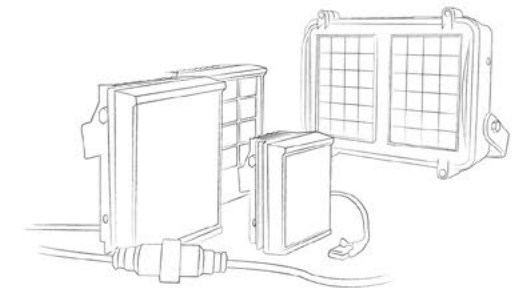
Founded in 2005, Raytec have two offices, located in Northumberland, UK and Ottawa, Canada.

Raytec products are distributed to over 60 countries world-wide, and have been installed everywhere from the Arctic Circle to the Jungles of Borneo.



## Passionate about the environment

Both Raytec LED products, and their specific product features are designed to save energy, electrical costs and reduce Co2 emissions. Raytec are fully ISO14001 accredited.



## A history of innovation

Raytec lead from the front, and have a strong reputation for creating innovative and exciting new products. Within the Raytec portfolio, there are several product firsts, including;

- Adaptive Illumination™
- PoE lighting
- High-Power PoE lighting
- Hybrid Lighting
- IP Lighting
- Explosion Protected LED Lighting

# VARIO

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.

## Description

Low Voltage Infra-Red and White-Light

## Key Features

- VARIO interchangeable lensing
- Hot-spot reduction technology
- VARIO remote control
- LED status indicator
- Adaptive Illumination™
- Network capability
- 5 Year Warranty



# rayMAX

RAYMAX Infra-Red illuminators are designed to work in conjunction with B&W or Day and Night Cameras. RAYMAX provides class leading performance, long life, low running costs and zero maintenance. All RAYMAX products deliver even illumination and excellent images during the hours of darkness.

## Description

High Voltage Infra-Red

## Key Features

- Adaptive Illumination™
- Angles from 10 – 180 + degrees
- Energy Saving
- Vandal Resistant
- Active LED life control
- 5 Year Warranty



# rayLUX

RAYLUX White-Light illuminators are designed to work in conjunction with colour CCTV systems or used for general area illumination. All RAYLUX products deliver quick start, crystal clear even illumination and accurate colour representation RAYLUX provides class leading performance, long life, low running costs and zero maintenance.

## Description

High Voltage White-Light

## Key Features

- Adaptive Illumination™
- Angles from 10 – 180 + degrees
- Energy Saving
- Quick Start
- Vandal Resistant
- Active LED life control
- 5 Year Warranty



# rayLUX URBAN

The RAYLUX Urban range illuminators provide multi-purpose and general area lighting for applications such as street & road lighting, footpaths, car parks and campus lighting, industrial lighting as well as lighting for surveillance cameras. RAYLUX Urban product satisfy demands for both camera lighting and commercial lighting.

## Description

White-Light for general area illumination

## Key Features

- CCTV and Commercial Applications
- Energy Saving
- Quick, simple, safe installation
- Active LED Life Control
- Quick Start
- 5 Year Warranty



# SPECIALIST APPLICATIONS

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

## Description

Lighting for specialist applications

## This includes:

- Network illuminators
- PoE Lighting
- Platinum High Performance
- Explosion Protected
- Hybrid Lighting
- Panoramic Lighting
- Pan and Tilt optimised





**VARIO i8-3**



**VARIO i4-3**



**VARIO i8-2**



**VARIO i4-2**



**VARIO i2-2**



**VARIO i8-1**

|                                 |   |  |   |  |  |  |
|---------------------------------|---|--|---|--|--|--|
| <b>Max Distance</b>             | 380m (1246ft)   | 260m (853ft)   | 310m (1010ft)   | 220m (722ft)   | 120m (394ft)   | 220m (722ft)   |
| <b>Angles and Max Distances</b> | 10°x10° - 380m (1,264ft)<br>35°x10° - 208m (682ft)<br>60°x25° - 140m (460ft)<br>80°x30° - 90m (295ft)<br>120°x50° - 80m (262ft) | 10°x10° - 260m (853ft)<br>35°x10° - 135m (443ft)<br>60°x25° - 78m (255ft)<br>80°x30° - 52m (171ft)<br>120°x50° - 40m (131ft) | 10°x10° - 310m (1,010ft)<br>35°x10° - 170m (551ft)<br>60°x25° - 112m (367ft)<br>80°x30° - 70m (230ft)<br>120°x50° - 65m (213ft) | 10°x10° - 220m (722ft)<br>35°x10° - 120m (394ft)<br>60°x25° - 65m (213ft)<br>80°x30° - 45m (148ft)<br>120°x50° - 30m (98ft)  | 10°x10° - 120m (394ft)<br>35°x10° - 65m (213ft)<br>60°x25° - 45m (148ft)<br>80°x30° - 30m (98ft)<br>120°x50° - 20m (66ft)    | 10°x10° - 220m (722ft)<br>35°x10° - 120m (394ft)<br>60°x25° - 65m (213ft)<br>80°x30° - 45m (148ft)<br>120°x50° - 30m (98ft)  |
| <b>Input</b>                    | 12-24V AC/DC  | 12-24V AC/DC   | 12-24V AC/DC  | 12-24V AC/DC   | 12-24V AC/DC   | 12-24V AC/DC   |
| <b>Beam Shape</b>               | Elliptical with HRT<br>(Hot Spot Reduction Technology)  | Elliptical with HRT<br>(Hot Spot Reduction Technology)   | Elliptical with HRT<br>(Hot Spot Reduction Technology)  | Elliptical with HRT<br>(Hot Spot Reduction Technology)   | Elliptical with HRT<br>(Hot Spot Reduction Technology)   | Elliptical with HRT<br>(Hot Spot Reduction Technology)   |
| <b>Beam Angle System</b>        | VARIO interchangeable lens system   | VARIO interchangeable lens system  | VARIO interchangeable lens system   | VARIO interchangeable lens system  | VARIO interchangeable lens system  | VARIO interchangeable lens system  |
| <b>Consumption</b>              | 144W  | 72W  | 96W   | 48W  | 24W  | 48W  |
| <b>LED type</b>                 | Platinum SMT LEDES  | Platinum SMT LEDES   | Platinum SMT LEDES  | Platinum SMT LEDES   | Platinum SMT LEDES   | Platinum SMT LEDES   |
| <b>Number of LEDES</b>          | 72  | 36   | 48  | 24   | 12   | 24   |
| <b>Wavelength</b>               | 850nm (940nm options available)   | 850nm (940nm options available)  | 850nm (940nm options available)   | 850nm (940nm options available)  | 850nm (940nm options available)  | 850nm (940nm options available)  |
| <b>IP Rating</b>                | IP66  | IP66   | IP66  | IP66   | IP66   | IP66   |
| <b>Temperature Range</b>        | -50° to +50°C (-58 to 122°F)  | -50° to +50°C (-58 to 122°F)   | -50° to +50°C (-58 to 122°F)  | -50° to +50°C (-58 to 122°F)   | -50° to +50°C (-58 to 122°F)   | -50° to +50°C (-58 to 122°F)   |
| <b>Colour</b>                   | Black   | Black  | Black   | Black  | Black  | Black  |
| <b>Weight</b>                   | 6kg (13.2lbs)   | 3.75kg (8.3lbs)  | 4.5kg (9.9lbs)  | 2.25kg (5lbs)  | 1.5kg (3.3lbs)   | 1.65kg (3.6lbs)  |
| <b>Dimensions</b>               | 423 x 226 x 68mm<br>17" x 9" x 3" approx  | 318 x 182 x 67mm<br>12.5" x 7" x 3" approx   | 279 x 223 x 68mm<br>11" x 9" x 3" approx  | 209 x 178 x 67mm<br>8" x 7" x 3" approx  | 159 x 144 x 63mm<br>6" x 5" x 2.5" approx  | 135 x 180 x 68.2mm<br>5" x 7" x 3.2" approx  |
| <b>Additional Features</b>      | LED status indicator<br>Photocell following output<br>Photocell<br>Standard kit includes 10°x10°, 35°x10° and 60°x25° angles    | LED status indicator<br>Photocell following output<br>Photocell<br>Standard kit includes 10°x10°, 35°x10° and 60°x25° angles | LED status indicator<br>Photocell following output<br>Photocell<br>Standard kit includes 10°x10°, 35°x10° and 60°x25° angles    | LED status indicator<br>Photocell following output<br>Photocell<br>Standard kit includes 10°x10°, 35°x10° and 60°x25° angles | LED status indicator<br>Photocell following output<br>Photocell<br>Standard kit includes 10°x10°, 35°x10° and 60°x25° angles | LED status indicator<br>Photocell following output<br>Photocell<br>Standard kit includes 10°x10°, 35°x10° and 60°x25° angles |
| <b>Perfect Partner</b>          | Optional VARIO Remote control for increased feature set*  | Optional VARIO Remote control for increased feature set*   | Optional VARIO Remote control for increased feature set*  | Optional VARIO Remote control for increased feature set*   | Optional VARIO Remote control for increased feature set*   | Optional VARIO Remote control for increased feature set*   |

\* Please see Accessories on Pages 14-15



**VARIO i4-1**



**VARIO i2-1**



**VARIO i8-1**



**rayMAX 50 PoE**



**rayMAX 25 PoE**



**rayMAX WARRIOR**



**rayMAX ESP**

|                          |  |  |  |   |   |   |  |
|--------------------------|--|--|--|---|---|---|--|
| Max Distance             | 120m (394ft)   | 65m (213ft)  | 220m (722ft)   | 60m (197ft)   | 30m (98ft)  | 150m (492ft)  | 100m (328ft)   |
| Angles and Max Distances | 10°x10° - 120m (394ft)<br>35°x10° - 65m (213ft)<br>60°x25° - 45m (148ft)<br>80°x30° - 30m (98ft)<br>120°x50° - 20m (66ft)    | 10°x10° - 65m (213ft)<br>35°x10° - 45m (148ft)<br>60°x25° - 30m (98ft)<br>80°x30° - 20m (66ft)<br>120°x50° - 15m (49ft)      | 10°x10° - 220m (722ft)<br>35°x10° - 120m (394ft)<br>60°x25° - 65m (213ft)<br>80°x30° - 45m (148ft)<br>120°x50° - 30m (98ft)  | 10° - 60m (197ft)<br>30° - 40m (131ft)<br>50° - 28m (92ft)<br>120° - 16m (52ft)   | 10° - 30m (98ft)<br>30° - 20m (66ft)<br>50° - 14m (46ft)<br>120° - 8m (26ft)      | 10° - 150m (492ft)<br>30° - 80m (262ft)<br>50° - 56m (184ft)  | 10° + 10° (2 lights)<br>10° + 30° (2 lights)<br>10° + 50° (2 lights)<br>30° + 50° (2 lights) |
| Input                    | 12-24V AC/DC   | 12-24V AC/DC   | 24V AC/DC  | PoE only  | PoE or 24Vac/dc or 12Vdc  | Universal 100-230V AC<br>(24V ac/dc version also available)   | 12-24V AC/DC   |
| Beam Shape               | Elliptical with HRT<br>(Hot Spot Reduction Technology)   | Elliptical with HRT<br>(Hot Spot Reduction Technology)   | Elliptical with HRT<br>(Hot Spot Reduction Technology)   | Circular  | Circular  | Circular  | Circular   |
| Beam Angle System        | VARIO interchangeable lens system  | VARIO interchangeable lens system  | VARIO interchangeable lens system  | Fixed   | Fixed   | Fixed   | 2 x Fixed Beams  |
| Consumption              | 24W  | 12W  | 48W  | 25W   | 10W   | 100W  | 12W each   |
| LED type                 | Platinum SMT LEDs  | Platinum SMT LEDs  | Platinum SMT LEDs  | Platinum SMT LEDs   | Platinum SMT LEDs   | Platinum SMT LEDs   | Platinum SMT LEDs  |
| Number of LEDS           | 12   | 6  | 24   | 12  | 6   | 48  | 6 (each light)   |
| Wavelength               | 850nm (940nm options available)  | 850nm (940nm options available)  | 850nm (940nm options available)  | 850nm (940nm options available)   | 850nm (940nm options available)   | 850nm (940nm options available)   | 850nm (940nm options available)  |
| IP Rating                | IP66   | IP66   | IP66   | IP66  | IP66  | IP66/7  | IP66   |
| Temperature Range        | -50° to +50°C (-58 to 122°F)   | -50° to +50°C (-58 to 122°F)   | -50° to +50°C (-58 to 122°F)   | -50° to +50°C (-58 to 122°F)  | -50° to +50°C (-58 to 122°F)  | -20° to +50°C (-4 to 122°F)   | -50° to +50°C (-58 to 122°F)   |
| Colour                   | Black  | Black  | Black  | Black   | Black   | Black   | Black  |
| Weight                   | 950g (2.1lbs)  | 600g (1.3lbs)  | 1.65kg (3.6lbs)  | 1.0kg (2.2lbs)  |   | 6.5kg (14lbs)   | 1.0kg (2.2lbs) each  |
| Dimensions               | 100 x 135 x 66mm<br>4" x 5" x 2.5" approx  | 75 x 100 x 64mm<br>3" x 4" x 2.5" approx   | 135 x 180 x 68.2mm<br>5" x 7" x 3.2" approx  | 135 x 100 x 63mm<br>5.25" x 4" x 2.5" approx                                      | 75 x 100 x 54mm<br>3" x 4" x 2" approx  | 281 x 245 x 135mm<br>11" x 9.6" X 65.3" approx  | 135 x 100 x 63mm<br>5.25" x 4" x 2.5" approx   |
| Additional Features      | LED status indicator<br>Photocell following output<br>Photocell<br>Standard kit includes 10°x10°, 35°x10° and 60°x25° angles | LED status indicator<br>Photocell following output<br>Photocell<br>Standard kit includes 10°x10°, 35°x10° and 60°x25° angles | VARIO IP Web Interface<br>Power Control, Boost, Deterrent in basic user settings<br>Control individual lights or groups<br>Standard kit includes 10°x10°, 35°x10° and 60°x25° angles<br>Timer, optional soft start, selectable input / output, advanced set-up and diagnostics | Power adjust<br>Adjustable Photocell<br>Integrated Command and Control Technology | Power adjust<br>Adjustable Photocell<br>Integrated Command and Control Technology | Suitable for zone 1 and 2 hazardous environments<br>ATEX and IECEx approved<br>Marine grade aluminium with toughened polycarbonate window | Adjustable Photocell<br>Telemetry Control<br>Integrated Command and Control Technology       |
| Perfect Partner          | Optional VARIO Remote control for increased feature set*   | Optional VARIO Remote control for increased feature set*   | API for integration with other platforms   | WB1 wall bracket*   | WB1 wall bracket*   |   |  |



rayMAX 300



rayMAX 200



rayMAX 150



rayMAX 100



rayMAX 50



rayMAX 25

|                          |   |  |  |  |   |   |
|--------------------------|---|--|--|--|---|---|
| Max Distance             | 370m (1,214ft)  | 300m (985ft)   | 183m (600ft)   | 150m (492ft)   | 75m (246ft)   | 35m (115ft)   |
| Angles and Max Distances | 10°-30° - 370m (1,214ft)<br>30°-90° - 200m (656ft)<br>50°-180° - 140m (460ft) | 10°-20° - 300m (985ft)<br>30°-60° - 160m (525ft)<br>50°-100° - 112m (367ft)<br>120°-180° - 64m (210ft) | 10°-30° - 183m (600ft)<br>30°-90° - 100m (328ft)<br>50°-180° - 70m (230ft) | 10°-20° - 150m (492ft)<br>30°-60° - 80m (262ft)<br>50°-100° - 56m (184ft)<br>120°-180° - 32m (105ft) | 10°-20° - 75m (246ft)<br>30°-60° - 40m (131ft)<br>50°-100° - 28m (92ft)<br>120°-180° - 16m (52ft) | 10° - 35m (115ft)<br>30° - 20m (66ft)<br>50° - 14m (46ft)<br>120° - 8m (26ft) |
| Input                    | Universal 100-230V AC - comes with PSU (See details below)                    | Universal 100-230V AC - comes with PSU (See details below)   | Universal 100-230V AC - comes with PSU (See details below)                 | Universal 100-230V AC - comes with PSU (See details below)   | Universal 100-230V AC - comes with PSU (See details below)  | Universal 100-230V AC - comes with PSU (See details below)                    |
| Beam Angle System        | Ultimate Adaptive Illumination™   | Adaptive Illumination™   | Ultimate Adaptive Illumination™  | Adaptive Illumination™   | Adaptive Illumination™  | Fixed   |
| Consumption              | 120W  | 80W  | 75W  | 50W  | 20W   | 10W   |
| LED type                 | SMT LEDs  | SMT LEDs   | SMT LEDs   | SMT LEDs   | SMT LEDs  | SMT LEDs  |
| Number of LEDS           | 594   | 396  | 324  | 198  | 108   | 45  |
| Wavelength               | 850nm (940nm options available)   | 850nm (940nm options available)  | 850nm (940nm options available)  | 850nm (940nm options available)  | 850nm (940nm options available)   | 850nm (940nm options available)   |
| IP Rating                | IP66  | IP66   | IP66   | IP66   | IP66  | IP66  |
| Temperature Range        | -50° to +50°C (-58 to 122°F)  | -50° to +50°C (-58 to 122°F)   | -50° to +50°C (-58 to 122°F)   | -50° to +50°C (-58 to 122°F)   | -50° to +50°C (-58 to 122°F)  | -50° to +50°C (-58 to 122°F)  |
| Colour                   | Black   | Black  | Black  | Black  | Black   | Black   |
| Weight                   | 6kg (13.2lbs)   | 4kg (8.8lbs)   | 3.75kg (8.3lbs)  | 4kg (8.8lbs)   | 1.7kg (3.7lbs)  | 0.5kg (1.1lbs)  |
| Dimensions               | 420 x 195 x 66mm<br>16" x 8" x 3" approx                                      | 280 x 195 x 66mm<br>11" x 8" x 3" approx   | 315 x 135 x 55mm<br>12" x 5" x 2" approx                                   | 280 x 195 x 66mm<br>11" x 8" x 3" approx   | 160 x 115 x 54mm<br>6" x 4" x 2" approx   | 75 x 100 x 54mm<br>3" x 4" x 2" approx  |
| Additional Features      | Power Adjust<br>Telemetry Control<br>Adjustable Photocell                     | Power Adjust<br>Telemetry Control<br>Adjustable Photocell  | Power Adjust<br>Telemetry Control<br>Adjustable Photocell                  | Power Adjust<br>Telemetry Control<br>Adjustable Photocell  | Power Adjust<br>Telemetry Control<br>Adjustable Photocell   | Power Adjust<br>Telemetry Control<br>Adjustable Photocell                     |
| Perfect Partner          | PBC1 Pole mount bracket*  | Optional PRO PSU upgrade*  | PBC1 Pole mount bracket*   | Optional PRO PSU upgrade*  | WB1 Wall bracket*   | WB1 Wall bracket*   |

External Power Supply (included)

|            |   |   |   |   |   |   |
|------------|---|---|---|---|---|---|
| Input      | Universal 100-230V AC auto-sensing          | Universal 100-230V AC auto-sensing          | Universal 100-230V AC auto-sensing          | Universal 100-230V AC auto-sensing          | Universal 100-230V AC auto-sensing          | Universal 100-230V AC auto-sensing          |
| Output     | 120W  | 80W   | 75W   | 50W   | 20W   | 10W   |
| Weights    | 2.4kg (5.3lbs)                              | 1.8kg (4lbs)                                | 2.4kg (5.3lbs)                              | 1.5kg (3.3lbs)                              | 0.9kg (2lbs)                                | 0.9kg (2lbs)                                |
| Dimensions | 240mm x 160mm x 81mm<br>9" x 6" x 3" approx | 160mm x 160mm x 90mm<br>6" x 6" x 4" approx | 240mm x 160mm x 81mm<br>9" x 6" x 3" approx | 160mm x 160mm x 90mm<br>6" x 6" x 4" approx | 160mm x 120mm x 80mm<br>6" x 5" x 3" approx | 160mm x 120mm x 80mm<br>6" x 5" x 3" approx |

\* Please see Accessories on Pages 14-15



**rayMAX 300**  
PANORAMIC



**rayMAX 150**  
PANORAMIC



**rayMAX 300**  
PLATINUM\*



**rayMAX 200**  
PLATINUM\*



**rayMAX 100**  
PLATINUM\*



**rayMAX 200**  
TWIN



**rayMAX 100**  
TWIN

|                          |  |  |  |  |   |   |  |
|--------------------------|--|--|--|--|---|---|--|
| Max Distance             | 160m (525ft)   | 130m (427ft)   | 1000m (3,280ft) - with 2 units   | 300m (985ft)   | 150m (492ft)  | 300m (985ft)  | 200m (656ft)   |
| Angles and Max Distances | 60-180x25° - 160m (525ft)                                  | 60-180x25° - 130m (427ft)                                  | 5°-15° - 700m (2,297ft)<br>10°-30° - 370m (1,214ft)<br>30°-90° - 250m (820ft)<br>50°-180° - 175m (575ft) | 10°-20° - 300m (985ft)<br>30°-60° - 220m (722ft)<br>50°-100° - 140m (459ft)<br>120°-180° - 70m (230ft) | 10°-20° - 150m (492ft)<br>30°-60° - 130m (427ft)<br>50°-100° - 90m (295ft)<br>120°-180° - 50m (164ft) | 10° + 10° (2 lights) - 300m (984ft)<br>10° + 30° (2 lights) - 220m (722ft)<br>10° + 50° (2 lights) - 140m (459ft) | 10° + 10° (2 lights) - 200m (656ft)<br>10° + 30° (2 lights) - 130m (427ft)<br>10° + 50° (2 lights) - 90m (295ft) |
| Beam Angle System        | Ultimate Adaptive Illumination™                            | Ultimate Adaptive Illumination™                            | Ultimate Adaptive Illumination™  | Adaptive Illumination™   | Adaptive Illumination™  | 2 x Fixed Beams   | 2 x Fixed Beams  |
| Consumption              | 165W   | 105W   | 165W   | 100W   | 70W   | 100W  | 70W  |
| Input                    | Universal 100-230V AC - comes with PSU (See details below) | Universal 100-230V AC - comes with PSU (See details below) | Universal 100-230V AC - comes with PSU (See details below)   | Universal 100-230V AC - comes with PSU (See details below)   | Universal 100-230V AC - comes with PSU (See details below)  | Universal 100-230V AC - comes with PSU (See details below)  | Universal 100-230V AC - comes with PSU (See details below)   |
| LED type                 | Platinum SMT LEDs  | Platinum SMT LEDs  | Platinum SMT LEDs  | Platinum SMT LEDs  | Platinum SMT LEDs   | Platinum SMT LEDs   | Platinum SMT LEDs  |
| Number of LEDs           | 72   | 48   | 72   | 48   | 32  | 48  | 32   |
| Wavelength               | 850nm (940nm options available)                            | 850nm (940nm options available)                            | 850nm (940nm options available)  | 850nm (940nm options available)  | 850nm (940nm options available)   | 850nm (940nm options available)   | 850nm (940nm options available)  |
| IP Rating                | IP66   | IP66   | IP66   | IP66   | IP66  | IP66  | IP66   |
| Temperature Range        | -50° to +50°C (-58 to 122°F)                               | -50° to +50°C (-58 to 122°F)                               | -50° to +50°C (-58 to 122°F)   | -50° to +50°C (-58 to 122°F)   | -50° to +50°C (-58 to 122°F)  | -50° to +50°C (-58 to 122°F)  | -50° to +50°C (-58 to 122°F)   |
| Colour                   | Black  | Black  | Black  | Black  | Black   | Black   | Black  |
| Weight                   | 6kg (13.2lbs)  | 3.75kg (8.3lbs)  | 6kg (13.2lbs)  | 4kg (8.8lbs)   | 2.5kg (5.5lbs)  | 4kg (8.8lbs)  | 4kg (8.8lbs)   |
| Dimensions               | 420 x 195 x 66mm<br>16" x 8" x 3" approx                   | 315 x 135 x 55mm<br>12" x 5" x 2" approx                   | 420 x 195 x 66mm<br>16" x 8" x 3" approx   | 280 x 195 x 66mm<br>11" x 8" x 3" approx   | 210 x 150 x 65mm<br>8" x 6" x 3" approx   | 280 x 195 x 66mm<br>11" x 8" x 3" approx  | 280 x 195 x 66mm<br>11" x 8" x 3" approx   |
| Additional Features      | Power Adjust<br>Telemetry Control<br>Adjustable Photocell  | Power Adjust<br>Telemetry Control<br>Adjustable Photocell  | Power Adjust<br>Telemetry Control<br>Adjustable Photocell  | Power Adjust<br>Telemetry Control<br>Adjustable Photocell  | Power Adjust<br>Telemetry Control<br>Adjustable Photocell   | Power Adjust<br>Telemetry Control<br>Adjustable Photocell<br>Pan/Tilt Optimised                                   | Power Adjust<br>Telemetry Control<br>Adjustable Photocell<br>Pan/Tilt Optimised                                  |
| Perfect Partner          | PBC1 Pole mount bracket*                                   | PBC1 Pole mount bracket*                                   | PBC1 Pole mount bracket*   | Optional PRO PSU upgrade*  | Optional PRO PSU upgrade*   | DB2 Double PTZ bracket*   | DB2 Double PTZ bracket*  |

External Power Supply (included)

|            |   |   |   |   |   |   |   |
|------------|---|---|---|---|---|---|---|
| Input      | Universal 100-230V AC auto-sensing          | Universal 100-230V AC auto-sensing          | Universal 100-230V AC auto-sensing          | Universal 100-230V AC auto-sensing          | Universal 100-230V AC auto-sensing          | Universal 100-230V AC auto-sensing          | Universal 100-230V AC auto-sensing          |
| Output     | 165W  | 105W  | 165W  | 100W  | 70W   | 100W  | 70W   |
| Weights    | 2.4kg (5.3lbs)                              | 2.4kg (5.3lbs)                              | 2.4kg (5.3lbs)                              | 1.8kg (4lbs)                                | 1.8kg (4lbs)                                | 1.5kg (3.3lbs)                              | 1.5kg (3.3lbs)                              |
| Dimensions | 240mm x 160mm x 81mm<br>9" x 6" x 3" approx | 240mm x 160mm x 81mm<br>9" x 6" x 3" approx | 240mm x 160mm x 81mm<br>9" x 6" x 3" approx | 160mm x 160mm x 90mm<br>6" x 6" x 4" approx | 160mm x 160mm x 90mm<br>6" x 6" x 4" approx | 160mm x 160mm x 90mm<br>6" x 6" x 4" approx | 160mm x 160mm x 90mm<br>6" x 6" x 4" approx |

# White-Light



**VARIO w8-3**



**VARIO w4-3**



**VARIO w8-2**



**VARIO w4-2**



**VARIO w2-2**



**VARIO w8-1**

|                              |  |  |  |  |  |  |
|------------------------------|--|--|--|--|--|--|
| Max Distance                 | 260m (853ft)   | 170m (558ft)   | 210m (689ft)   | 150m (492ft)   | 90m (295ft)  | 150m (492ft)   |
| Angles and Max Distances     | 10°x10° - 260m (853ft)<br>35°x10° - 139m (456ft)<br>60°x25° - 83m (272ft)<br>80°x30° - 52m (171ft)<br>120°x50° - 35m (115ft) | 10°x10° - 170m (558ft)<br>35°x10° - 95m (312ft)<br>60°x25° - 55m (180ft)<br>80°x30° - 35m (115ft)<br>120°x50° - 26m (85ft)   | 10°x10° - 210m (689ft)<br>35°x10° - 112m (367ft)<br>60°x25° - 65m (213ft)<br>80°x30° - 42m (133ft)<br>120°x50° - 30m (98ft)  | 10°x10° - 150m (492ft)<br>35°x10° - 80m (262ft)<br>60°x25° - 45m (148ft)<br>80°x30° - 30m (98ft)<br>120°x50° - 20m (66ft)    | 10°x10° - 90m (295ft)<br>35°x10° - 55m (180ft)<br>60°x25° - 30m (98ft)<br>80°x30° - 20m (66ft)<br>120°x50° - 15m (49ft)      | 10°x10° - 150m (492ft)<br>35°x10° - 80m (262ft)<br>60°x25° - 45m (148ft)<br>80°x30° - 30m (98ft)<br>120°x50° - 20m (66ft)    |
| Input                        | 12-24V AC/DC   | 12-24V AC/DC   | 12-24V AC/DC   | 12-24V AC/DC   | 12-24V AC/DC   | 12-24V AC/DC   |
| Beam Shape                   | Elliptical with HRT<br>(Hot Spot Reduction Technology)   | Elliptical with HRT<br>(Hot Spot Reduction Technology)   | Elliptical with HRT<br>(Hot Spot Reduction Technology)   | Elliptical with HRT<br>(Hot Spot Reduction Technology)   | Elliptical with HRT<br>(Hot Spot Reduction Technology)   | Elliptical with HRT<br>(Hot Spot Reduction Technology)   |
| Beam Angle System            | VARIO interchangeable lens system  | VARIO interchangeable lens system  | VARIO interchangeable lens system  | VARIO interchangeable lens system  | VARIO interchangeable lens system  | VARIO interchangeable lens system  |
| Consumption                  | 144W   | 72W  | 96W  | 48W  | 24W  | 48W  |
| LED type                     | Platinum SMT LEDES   | Platinum SMT LEDES   | Platinum SMT LEDES   | Platinum SMT LEDES   | Platinum SMT LEDES   | Platinum SMT LEDES   |
| Number of LEDES              | 72   | 36   | 48   | 24   | 12   | 24   |
| Power Output (luminous flux) | 8520lm   | 4356lm   | 5680lm   | 2904lm   | 1466lm   | 2840lm   |
| Wavelength                   | White-Light  | White-Light  | White-Light  | White-Light  | White-Light  | White-Light  |
| IP Rating                    | IP66   | IP66   | IP66   | IP66   | IP66   | IP66   |
| Temperature Range            | -50° to +50°C (-58 to 122°F)   | -50° to +50°C (-58 to 122°F)   | -50° to +50°C (-58 to 122°F)   | -50° to +50°C (-58 to 122°F)   | -50° to +50°C (-58 to 122°F)   | -50° to +50°C (-58 to 122°F)   |
| Colour Temperature           | 5700k  | 5700k  | 5700k  | 5700k  | 5700k  | 5700k  |
| Colour                       | Silver   | Silver   | Silver   | Silver   | Silver   | Silver   |
| Weight                       | 6kg (13.2lbs)  | 3.75kg (8.3lbs)  | 4.5kg (9.9lbs)   | 2.25kg (5lbs)  | 1.5kg (3.3lbs)   | 1.65kg (3.6lbs)  |
| Dimensions                   | 423 x 226 x 68mm<br>17" x 9" x 3" approx   | 318 x 182 x 67mm<br>12.5" x 7" x 3" approx   | 279 x 223 x 68mm<br>11" x 9" x 3" approx   | 209 x 178 x 67mm<br>8" x 7" x 3" approx  | 159 x 144 x 63mm<br>6" x 5" x 2.5" approx  | 135 x 180 x 68.2mm<br>5" x 7" x 3.2" approx  |
| Additional Features          | LED status indicator<br>Photocell following output<br>Photocell<br>Standard kit includes 10°x10°, 35°x10° and 60°x25° angles | LED status indicator<br>Photocell following output<br>Photocell<br>Standard kit includes 10°x10°, 35°x10° and 60°x25° angles | LED status indicator<br>Photocell following output<br>Photocell<br>Standard kit includes 10°x10°, 35°x10° and 60°x25° angles | LED status indicator<br>Photocell following output<br>Photocell<br>Standard kit includes 10°x10°, 35°x10° and 60°x25° angles | LED status indicator<br>Photocell following output<br>Photocell<br>Standard kit includes 10°x10°, 35°x10° and 60°x25° angles | LED status indicator<br>Photocell following output<br>Photocell<br>Standard kit includes 10°x10°, 35°x10° and 60°x25° angles |
| Perfect Partner              | Optional VARIO Remote control for increased feature set*   | Optional VARIO Remote control for increased feature set*   | Optional VARIO Remote control for increased feature set*   | Optional VARIO Remote control for increased feature set*   | Optional VARIO Remote control for increased feature set*   | Optional VARIO Remote control for increased feature set*   |



# White-Light



**VARIO w4-1**



**VARIO w2-1**



**VARIO iP w8-1**



**rayLUX 50 PoE**



**rayLUX WARRIOR**



**rayLUX WARRIOR  
EMERGENCY**

|                                 |  |  |   |   |   |   |
|---------------------------------|--|--|---|---|---|---|
| Max Distance                    | 90m (295ft)  | 50m (164ft)  | 150m (492ft)  | 50m (164ft)   | 120m (394ft)  | 120m (394ft)  |
| Angles and Max Distances        | 10°x10° - 90m (295ft)<br>35°x10° - 55m (180ft)<br>60°x25° - 30m (98ft)<br>80°x30° - 20m (66ft)<br>120°x50° - 15m (49ft)      | 10°x10° - 50m (164ft)<br>35°x10° - 35m (115ft)<br>60°x25° - 20m (66ft)<br>80°x30° - 15m (49ft)<br>120°x50° - 10m (33ft)      | 10°x10° - 150m (492ft)<br>35°x10° - 80m (262ft)<br>60°x25° - 45m (148ft)<br>80°x30° - 30m (98ft)<br>120°x50° - 20m (66ft)   | 10° - 50m (164ft)<br>30° - 35m (115ft)<br>50° - 25m (82ft)<br>120° - 10m (33ft)   | 10° - 120m (394ft)<br>30° - 65m (213ft)<br>50° - 45m (148ft)  | 10° - 120m (394ft)<br>30° - 65m (213ft)<br>50° - 45m (148ft)  |
| Input                           | 12-24V AC/DC   | 12-24V AC/DC   | 24V AC/DC   | PoE only  | Universal 100-230V AC<br>(24V ac/dc version also available)   | Universal 100-230V AC<br>(24V ac/dc version also available)   |
| Beam Shape                      | Elliptical with HRT<br>(Hot Spot Reduction Technology)   | Elliptical with HRT<br>(Hot Spot Reduction Technology)   | Elliptical with HRT<br>(Hot Spot Reduction Technology)  | Circular  | Circular  | Circular  |
| Beam Angle System               | VARIO interchangeable lens system  | VARIO interchangeable lens system  | VARIO interchangeable lens system   | Fixed   | Fixed   | Fixed   |
| Consumption                     | 24W  | 12W  | 48W   | 25W   | 100W  | 100W  |
| LED type                        | Platinum SMT LEDES   | Platinum SMT LEDES   | Platinum SMT LEDES  | Platinum SMT LEDES  | Platinum SMT LEDES  | Platinum SMT LEDES  |
| Number of LEDES                 | 12   | 6  | 24  | 12  | 48  | 48  |
| Power Output<br>(luminous flux) | 1452lm   | 733lm  | 2840lm  | 986lm   | 3465lm  | 3465lm  |
| Wavelength                      | White-Light  | White-Light  | White-Light   | White-Light   | White-Light   | White-Light   |
| IP Rating                       | IP66   | IP66   | IP66  | IP66  | IP66/7  | IP66/7  |
| Temperature Range               | -50° to +50°C (-58 to 122°F)   | -50° to +50°C (-58 to 122°F)   | -50° to +50°C (-58 to 122°F)  | -50° to +50°C (-58 to 122°F)  | -20° to +50°C (-4 to 122°F)   | -20° to +50°C (-4 to 122°F)   |
| Colour Temperature              | 5700k  | 5700k  | 5700k   | 5700k   | 5800k   | 5800k   |
| Colour                          | Silver   | Silver   | Silver  | Black   | Black   | Black   |
| Weight                          | 950g (2.1lbs)  | 600g (1.3lbs)  | 1.65kg (3.6lbs)   | 1.0kg (2.2lbs)  | 6.5kg (14lbs)   | 6.5kg (14lbs)   |
| Dimensions                      | 100 x 135 x 66mm<br>4" x 5" x 2.5" approx  | 75 x 100 x 64mm<br>3" x 4" x 2.5" approx   | 135 x 180 x 68.2mm<br>5" x 7" x 3.2" approx   | 135 x 100 x 63mm<br>5.25" x 4" x 2.5" approx                                      | 281 x 245 x 135mm<br>11" x 9.6" X 65.3" approx  | 281 x 245 x 135mm<br>11" x 9.6" X 65.3" approx  |
| Additional Features             | LED status indicator<br>Photocell following output<br>Photocell<br>Standard kit includes 10°x10°, 35°x10° and 60°x25° angles | LED status indicator<br>Photocell following output<br>Photocell<br>Standard kit includes 10°x10°, 35°x10° and 60°x25° angles | VARIO IP Web Interface, Power Control, Boost, Deterrent in basic user settings. Control individual lights or groups. Standard kit includes 10°x10°, 35°x10° and 60°x25° angles. Timer, optional soft start, selectable input / output, advanced set-up and diagnostics. | Power adjust<br>Adjustable Photocell<br>Integrated Command and Control Technology | Suitable for zone 1 and 2 hazardous environments<br>ATEX and IECEx approved<br>Marine grade aluminium with toughened polycarbonate window | Suitable for zone 1 and 2 hazardous environments. ATEX and IECEx approved. Marine grade aluminium with toughened polycarbonate window. Integrated battery powers the unit for 3 hours in event of power failure |
| Perfect Partner                 | Optional VARIO Remote control for increased feature set*   | Optional VARIO Remote control for increased feature set*   | API for integration with other platforms  | WB1 wall bracket*   |   |   |

# White-Light



rayLUX 300



rayLUX 200



rayLUX 150



rayLUX 100



rayLUX 50



rayLUX 25

|                              |  |  |   |  |   |   |
|------------------------------|--|--|---|--|---|---|
| Max Distance                 | 320m (1,049ft)   | 200m (656ft)   | 150m (492ft)  | 120m (394ft)   | 60m (197ft)   | 35m (115ft)   |
| Angles and Max Distances     | 5°-15° - 320m (1,049ft)<br>10°-30° - 240m (787ft)<br>30°-90° - 130m (427ft)<br>50°-180° - 90m 295ft) | 10°-20° - 200m (656ft)<br>30°-60° - 105m (344ft)<br>50°-100° - 80m (262ft)<br>120°-180° - 30m (98ft) | 10°-30° - 150m (492ft)<br>30°-90° - 80m (262ft)<br>50°-180° - 55m (180ft) | 10°-20° - 120m (394ft)<br>30°-60° - 65m (213ft)<br>50°-100° - 45m (184ft)<br>120°-180 - 18m (59ft) | 10°-20° - 60m (197ft)<br>30°-60° - 40m (131ft)<br>50°-100° - 28m (92ft)<br>120°-180° - 12m (39ft) | 10° - 35m (115ft)<br>30° - 20m (66ft)<br>50° - 14m (46ft)<br>120° - 8m (26ft) |
| Input                        | Universal 100-230V AC - comes with PSU (See details below)   | Universal 100-230V AC - comes with PSU (See details below)   | Universal 100-230V AC - comes with PSU (See details below)                | Universal 100-230V AC - comes with PSU (See details below)   | Universal 100-230V AC - comes with PSU (See details below)  | Universal 100-230V AC - comes with PSU (See details below)                    |
| Beam Angle System            | Ultimate Adaptive Illumination™  | Adaptive Illumination™   | Ultimate Adaptive Illumination™   | Adaptive Illumination™   | Adaptive Illumination™  | Fixed   |
| Consumption                  | 120W   | 80W  | 75W   | 50W  | 25W   | 15W   |
| LED type                     | Platinum SMT LEDs  | Platinum SMT LEDs  | Platinum SMT LEDs   | Platinum SMT LEDs  | Platinum SMT LEDs   | Platinum SMT LEDs   |
| Number of LEDs               | 72   | 48   | 48  | 32   | 16  | 8   |
| Power Output (luminous flux) | 6273lm   | 4250lm   | 4182lm  | 2788lm   | 1600lm  | 800lm   |
| Wavelength                   | White Light  | White Light  | White Light   | White Light  | White Light   | White Light   |
| IP Rating                    | IP66   | IP66   | IP66  | IP66   | IP66  | IP66  |
| Temperature Range            | -50° to +50°C (-58 to 122°F)   | -50° to +50°C (-58 to 122°F)   | -50° to +50°C (-58 to 122°F)  | -50° to +50°C (-58 to 122°F)   | -50° to +50°C (-58 to 122°F)  | -50° to +50°C (-58 to 122°F)  |
| Colour Temperature           | 5800k  | 5800k  | 5800k   | 5800k  | 5800k   | 5800k   |
| Colour                       | Silver   | Silver   | Silver  | Silver   | Silver  | Silver  |
| Weight                       | 6kg (13.2lbs)  | 4kg (8.8lbs)   | 3.75kg (8.3lbs)   | 2.5kg (5.5lbs)   | 1.7kg (3.7lbs)  | 0.5kg (1.1lbs)  |
| Dimensions                   | 420 x 195 x 66mm<br>16" x 8" x 3" approx   | 280 x 195 x 66mm<br>11" x 8" x 3" approx   | 315 x 135 x 55mm<br>12" x 5" x 2" approx                                  | 210 x 150 x 65mm<br>8" x 6" x 3" approx  | 160 x 115 x 54mm<br>6" x 4" x 2" approx   | 75 x 100 x 54mm<br>3" x 4" x 2" approx  |
| Additional Features          | Power Adjust<br>Telemetry Control<br>Adjustable Photocell  | Power Adjust<br>Telemetry Control<br>Adjustable Photocell  | Power Adjust<br>Telemetry Control<br>Adjustable Photocell                 | Power Adjust<br>Telemetry Control<br>Adjustable Photocell  | Power Adjust<br>Telemetry Control<br>Adjustable Photocell   | Power Adjust<br>Telemetry Control<br>Adjustable Photocell                     |
| Perfect Partner              | PBC1 Pole mount bracket*   | Optional PRO PSU upgrade*  | PBC1 Pole mount bracket*  | Optional PRO PSU upgrade*  | WB1 Wall bracket*   | WB1 Wall bracket*   |

## External Power Supply (included)

|            |   |   |   |   |   |   |
|------------|---|---|---|---|---|---|
| Input      | Universal 100-230V AC auto-sensing          | Universal 100-230V AC auto-sensing          | Universal 100-230V AC auto-sensing          | Universal 100-230V AC auto-sensing          | Universal 100-230V AC auto-sensing          | Universal 100-230V AC auto-sensing          |
| Output     | 120W  | 80W   | 75W   | 50W   | 25W   | 15W   |
| Weights    | 2.4kg (5.3lbs)                              | 1.8kg (4lbs)                                | 2.4kg (5.3lbs)                              | 1.5kg (3.3lbs)                              | 0.9kg (2lbs)                                | 0.9kg (2lbs)                                |
| Dimensions | 240mm x 160mm x 81mm<br>9" x 6" x 3" approx | 160mm x 160mm x 90mm<br>6" x 6" x 4" approx | 240mm x 160mm x 81mm<br>9" x 6" x 3" approx | 160mm x 160mm x 90mm<br>6" x 6" x 4" approx | 160mm x 120mm x 80mm<br>6" x 5" x 3" approx | 160mm x 120mm x 80mm<br>6" x 5" x 3" approx |

\* Please see Accessories on Pages 14-15

## White-Light



**rayLUX 300**  
PANORAMIC



**rayLUX 150**  
PANORAMIC

|                              |  |  |
|------------------------------|--|--|
| Max Distance                 | 83m (272ft)  | 68m (41ft)   |
| Angles and Max Distances     | 60-180x25° - 83m (272ft)                                   | 60-180x25° - 68m (223ft)                                   |
| Input                        | Universal 100-230V AC - comes with PSU (See details below) | Universal 100-230V AC - comes with PSU (See details below) |
| Beam Angle System            | Ultimate Adaptive Illumination™                            | Adaptive Illumination™                                     |
| Consumption                  | 120W   | 75W  |
| LED type                     | Platinum SMT LEDES   | Platinum SMT LEDES   |
| Number of LEDES              | 72   | 48   |
| Power Output (luminous flux) | 7770lm   | 5178lm   |
| Wavelength                   | White Light  | White Light  |
| IP Rating                    | IP66   | IP66   |
| Temperature Range            | -50° to +50°C (-58 to 122°F)                               | -50° to +50°C (-58 to 122°F)                               |
| Colour Temperature           | 5700k  | 5700k  |
| Colour                       | Silver   | Silver   |
| Weight                       | 6kg (13.2lbs)  | 3.75kg (8.3lbs)  |
| Dimensions                   | 420 x 195 x 66mm<br>16" x 8" x 3" approx                   | 315 x 135 x 55mm<br>12" x 5" x 2" approx                   |
| Additional Features          | Power Adjust<br>Telemetry Control<br>Adjustable Photocell  | Power Adjust<br>Telemetry Control<br>Adjustable Photocell  |
| Perfect Partner              | PBC1 Pole mount bracket*                                   | PBC1 Pole mount bracket*                                   |

### External Power Supply (included)

|            |   |   |
|------------|---|---|
| Input      | Universal 100-230V AC auto-sensing          | Universal 100-230V AC auto-sensing          |
| Output     | 120W  | 75W   |
| Weights    | 2.4kg (5.3lbs)                              | 2.4kg (5.3lbs)                              |
| Dimensions | 240mm x 160mm x 81mm<br>9" x 6" x 3" approx | 240mm x 160mm x 81mm<br>9" x 6" x 3" approx |

## Hybrid



**HYBRID 200**



**HYBRID 150**



**HYBRID 100**

|                                  |  |  |  |
|----------------------------------|--|--|--|
| Max Distance                     | 112m (367ft)   | 80m (262ft)  | 55m (180ft)  |
| Angles and Max Distances         | 30° (112m/367ft IR and 70m/230ft WL)<br>50° (80m/262ft IR and 50m/164ft WL)<br>angles from 10° to 120° available | 30° (80m/262ft IR and 40m/131ft WL)<br>50° (56m/184ft IR and 30m/98ft WL)<br>angles from 10° to 120° available | 30° (55m/180ft IR and 40m/131ft WL)<br>50° (40m/131ft IR and 30m/98ft WL)<br>angles from 10° to 120° available |
| Input                            | Universal 100-230V AC - comes with PSU (See details below)   | Universal 100-230V AC - comes with PSU (See details below)   | Universal 100-230V AC - comes with PSU (See details below)   |
| Beam Shape                       | Circular   | Circular   | Circular   |
| Beam Angle System                | Fixed  | Adaptive Illumination™ - IR<br>Fixed - WL  | Fixed  |
| Consumption                      | 80W  | 75W  | 50W  |
| LED type                         | Platinum SMT LEDES - WL<br>SMT LEDES - IR  | Platinum SMT LEDES - WL<br>SMT LEDES - IR  | Platinum SMT LEDES - WL<br>SMT LEDES - IR  |
| Number of LEDES                  | 24 - WL / 188 - IR   | 16 - WL / 216 - IR   | 16 - WL / 108 - IR   |
| WL Power Output (luminous flux)  | 2125lm   | 1394lm   | 1394lm   |
| Wavelength                       | 850nm and White Light  | 850nm and White Light  | 850nm and White Light  |
| IP Rating                        | IP66   | IP66   | IP66   |
| Temperature Range                | -50° to +50°C (-58 to 122°F)   | -50° to +50°C (-58 to 122°F)   | -50° to +50°C (-58 to 122°F)   |
| Colour Temperature (White-Light) | 5800k  | 5800k  | 5800k  |
| Colour                           | Black and Silver   | Black and Silver   | Black and Silver   |
| Weight                           | 4kg (8.8lbs)   | 3.75kg (8.3lbs)  | 2.5kg (5.5lbs)   |
| Dimensions                       | 280 x 195 x 66mm<br>11" x 8" x 3" approx   | 315 x 135 x 55 mm<br>12" x 5" x 2" approx  | 210 x 150 x 65 mm<br>8" x 6" x 3" approx   |
| Additional Features              | Power Adjust<br>Telemetry Control<br>Adjustable Photocell<br>independent control of IR & WL                      | Power Adjust<br>Telemetry Control<br>Adjustable Photocell<br>independent control of IR & WL                    | Power Adjust<br>Telemetry Control<br>Adjustable Photocell<br>independent control of IR & WL                    |
| Perfect Partner                  | Optional PRO PSU upgrade*  | PBC1 Pole mount bracket*   | Optional PRO PSU upgrade*  |

### External Power Supply (included)

|            |   |   |   |
|------------|---|---|---|
| Input      | Universal 100-230V AC auto-sensing          | Universal 100-230V AC auto-sensing          | Universal 100-230V AC auto-sensing          |
| Output     | 80W   | 75W   | 50W   |
| Weights    | 2.4kg (5.3lbs)                              | 2.4kg (5.3lbs)                              | 2.4kg (5.3lbs)                              |
| Dimensions | 240mm x 160mm x 81mm<br>9" x 6" x 3" approx | 240mm x 160mm x 81mm<br>9" x 6" x 3" approx | 240mm x 160mm x 81mm<br>9" x 6" x 3" approx |



rayLUX URBAN PLUS 70



rayLUX URBAN PLUS 56



rayLUX URBAN PLUS 42



rayLUX URBAN BAY

|                       |   |   |   |  |
|-----------------------|---|---|---|--|
| Angles available      | 120°H x 30°V (20° offset)<br>140°H x 30°V (20° offset)<br>160°  | 120°H x 30°V (20° offset)<br>140°H x 30°V (20° offset)<br>160°  | 120°H x 30°V (20° offset)<br>140°H x 30°V (20° offset)<br>160°  | 120° H x 35° V<br>60°<br>120°  |
| Input                 | Universal 100-230V AC<br>Intergrated Driver PSU   | Universal 100-230V AC<br>Intergrated Driver PSU   | Universal 100-230V AC<br>Intergrated Driver PSU   | Universal 100-230V AC<br>Intergrated Driver PSU  |
| Beam Shape            | Elliptical - Bat Wing design<br>Blended Optics  | Elliptical - Bat Wing design<br>Blended Optics  | Elliptical - Bat Wing design<br>Blended Optics  | Circular or Elliptical   |
| Beam Angle System     | Fixed   | Fixed   | Fixed   | Fixed  |
| Consumption           | 79W   | 61W   | 48W   | 145W   |
| LED type              | Platinum SMT LEDs   | Platinum SMT LEDs   | Platinum SMT LEDs   | Platinum SMT LEDs  |
| Number of LEDES       | 70  | 56  | 42  | 70   |
| Power Output (Lumens) | 7645lm  | 6215lm  | 4660lm  | Neutral White - 11890lm<br>Cool White - 12936lm  |
| Wavelength            | White Light   | White-Light   | White-Light   | White Light  |
| IP Rating             | IP66  | IP66  | IP66  | IP21   |
| Temperature Range     | -40 to +40°C (-40 to 104°F)   | -40 to +40°C (-40 to 104°F)   | -40 to +40°C (-40 to 104°F)   | -40 to +40°C (-40 to 104°F)  |
| Colour Temperature    | 5300K   | 5300K   | 5300K   | Neutral White - 4350k<br>Cool White - 5300k  |
| Colour                | Black   | Black   | Black   | Silver   |
| Weight                | 12kg / 26lbs supplied in 2 parts (6kg / 13lbs each)   | 12kg / 26lbs supplied in 2 parts (6kg / 13lbs each)   | 12kg / 26lbs supplied in 2 parts (6kg / 13lbs each)   | 7kg (15.4lbs) supplied in 2 parts  |
| Dimensions            | 667 x 276 x 210mm<br>(26" x 11" x 8" approx)  | 667 x 276 x 210mm<br>(26" x 11" x 8" approx)  | 667 x 276 x 210mm<br>(26" x 11" x 8" approx)  | 366.5 x 256 x 107.2mm<br>(14.4" x 10" X 4.2" approx)   |
| Additional Features   | 2 Piece lightweight design for quick 1 man installation<br>Easy Beam Adjust for vertical alignment<br>Bi-Directional Mounting System (H or V) | 2 Piece lightweight design for quick 1 man installation<br>Easy Beam Adjust for vertical alignment<br>Bi-Directional Mounting System (H or V) | 2 Piece lightweight design for quick 1 man installation<br>Easy Beam Adjust for vertical alignment<br>Bi-Directional Mounting System (H or V) | 2 Piece lightweight design for quick 1 man installation<br>Interfaces with Major lighting controls |



rayLUX URBAN UBA48



rayLUX URBAN UBA32



rayLUX URBAN UBF24






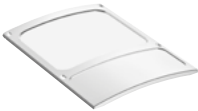




rayLUX URBAN UBF16

|                       |  |   |  |  |
|-----------------------|--|---|--|--|
| Angles available      | 50°<br>120°<br>120° H x 80° V  | 50°<br>120°<br>120° H x 80° V   | 50°<br>120°<br>120° H x 80° V  | 50°<br>120°<br>120° H x 80° V  |
| Input                 | Universal 100-230V AC - comes with PSU (See details below)                 | Universal 100-230V AC - comes with PSU (See details below)                | Universal 100-230V AC - comes with PSU (See details below)                 | Universal 100-230V AC - comes with PSU (See details below)               |
| Beam Shape            | Circular or Elliptical   | Circular or Elliptical  | Circular or Elliptical   | Circular or Elliptical   |
| Beam Angle System     | Adaptive Illumination™   | Adaptive Illumination™  | Fixed  | Fixed  |
| Consumption           | 80W  | 50W   | 40W  | 25W  |
| LED type              | Platinum SMT LEDs  | Platinum SMT LEDs   | Platinum SMT LEDs  | Platinum SMT LEDs  |
| Number of LEDs        | 48   | 32  | 24   | 16   |
| Power Output (Lumens) | 4156lm   | 2772lm  | 2078lm   | 1580lm   |
| Wavelength            | White Light  | White-Light   | White-Light  | White Light  |
| IP Rating             | IP66   | IP66  | IP66   | IP66   |
| Temperature Range     | -50° to +50°C (-58 to 122°F)   | -50° to +50°C (-58 to 122°F)  | -50° to +50°C (-58 to 122°F)   | -50° to +50°C (-58 to 122°F)   |
| Colour Temperature    | 5800k  | 5800k   | 5800k  | 5800k  |
| Colour                | Silver   | Silver  | Silver   | Silver   |
| Weight                | 5kg (11lbs) (excluding brackets)   | 4kg (8.8 lbs) (excluding brackets)  | 3kg (6.6lbs) (excluding brackets)  | 2.5kg (5.5lbs) (excluding brackets)                                      |
| Dimensions            | 443mm x 270mm x 76mm<br>17" x 11" x 3" approx<br>(inc. light spill shield) | 345mm x 215mm x 74mm<br>14" x 8" x 3" approx<br>(inc. light spill shield) | 300mm x 270mm x 76mm<br>12" x 11" x 3" approx<br>(inc. light spill shield) | 236mm x 215mm x 74mm<br>9" x 8" x 3" approx<br>(inc. light spill shield) |
| Additional Features   | Power Adjust<br>Telemetry Control<br>Adjustable Photocell                  | Power Adjust<br>Telemetry Control<br>Adjustable Photocell                 | Power Adjust<br>Telemetry Control<br>Adjustable Photocell                  | Power Adjust<br>Telemetry Control<br>Adjustable Photocell                |





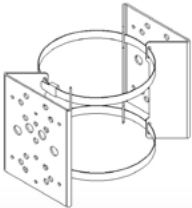
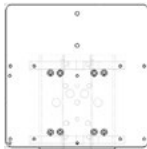
External Power Supply (included)

|            |   |   |   |   |
|------------|---|---|---|---|
| Input      | Universal 100-230V AC auto-sensing          | Universal 100-230V AC auto-sensing          | Universal 100-230V AC auto-sensing          | Universal 100-230V AC auto-sensing          |
| Output     | 80W   | 50W   | 40W   | 25W   |
| Weights    | 1.8kg (4lbs)                                | 1.1 kg (2.4lbs)                             | 1.1 kg (2.4lbs)                             | 1.1 kg (2.4lbs)                             |
| Dimensions | 160mm x 160mm x 90mm<br>6" x 6" x 4" approx | 300mm x 80mm x 55mm<br>12" x 3" x 2" approx | 300mm x 80mm x 55mm<br>12" x 3" x 2" approx | 300mm x 80mm x 55mm<br>12" x 3" x 2" approx |

## Vario Accessories

|             |   |   |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|---|---|
|             |  |  |  |  |  |  |  |  |
|             | <b>VARIO i8 LENS</b>  | <b>VARIO i4 LENS</b>  | <b>VARIO i2 LENS</b>  | <b>VARIO w8 LENS</b>  | <b>VARIO w4 LENS</b>  | <b>VARIO w2 LENS</b>  | <b>VARIO REMOTE</b>   | <b>DAYTIME SET-UP TOOL</b>  |
| Description | Lens insert for VARIO i8  | Lens insert for VARIO i4  | Lens insert for VARIO i2  | Lens insert for VARIO w8  | Lens insert for VARIO w4  | Lens insert for VARIO w2  | Remote control to enable advanced features on VARIO                                 | Daytime set-up tool for VARIO and other Raytec illuminators                         |
| Variations  | 35°x10°<br>60°x25°<br>80°x30°<br>120°x50°   | 35°x10°<br>60°x25°<br>80°x30°<br>120°x50°   | 35°x10°<br>60°x25°<br>80°x30°<br>120°x50°   | 35°x10°<br>60°x25°<br>80°x30°<br>120°x50°   | 35°x10°<br>60°x25°<br>80°x30°<br>120°x50°   | 35°x10°<br>60°x25°<br>80°x30°<br>120°x50°   |   |   |

## Standard Brackets

|             |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|
|             |  |  |  |  |  |  |
|             | <b>SBI</b>  | <b>DB2</b>  | <b>WB1</b>  | <b>PBC1</b>   | <b>PBC2</b>   | <b>PBC-PSU-ADAP</b>   |
| Description | Single unit bracket for Top Pan/Tilt System                                       | Double unit bracket for Top Pan/Tilt System                                       | Wall Bracket - L Shape  | Pole Bracket Clamp for 1 x illuminator  | Pole Bracket Clamp for 2 x illuminators   | Adaptor to convert 1 mount on PBC1 or PBC2 to fit a PSU                             |

## Urban Brackets

|             |   |  |  |   |   |
|-------------|---|--|--|---|---|
|             |  |  |  |  |  |
|             | <b>UB-WB</b>  | <b>UB-TS-S</b>   | <b>UB-TS-T</b>   | <b>UB-HB-S</b>  | <b>UB-HB-T</b>  |
| Description | Cable Managed wall bracket for Urban illuminators                                   | Cable managed stub bracket for 1 x illuminator, 90 degree                            | Cable managed stub bracket for 2 x illuminators, 90 degree                           | Cable managed hockey bracket for 1 x illuminator                                      | Cable managed hockey bracket for 2 x illuminators                                     |
| Variations  |   | Flat<br>5 degree uplift  | Flat<br>5 degree uplift  |   |   |

## Power Supply Upgrades



**PRO SERIES PSU**



**IQ-MODULE**



**PULSE-MODULE**

Description

Upgraded PSU with 12Vdc output and platform for further upgrade with IQ-Module or Pulse-Module

Additional plug in board for PRO PSU. Settings include ecologic, perma-light, DIM-Boost, Deterrent & Timer Functions

Additional plug in board for PRO PSU to deliver pulsed lighting. Compatible with IR and WL, analogue and digital inputs

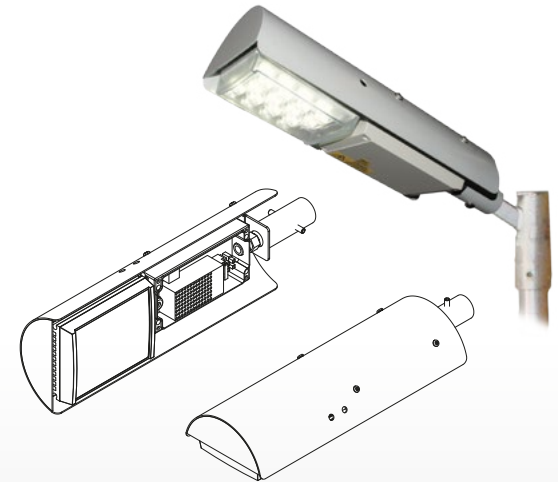
## Design Services



**2D Lighting Design**



**3D Lighting Design**



**Special Operations Division**

Description

Detailed plan of the site  
Recommended product type  
Recommended number of lights  
Average, max and min light levels

Visual representation of the site  
Recommended product type  
Recommended number of lights  
Average, max and min light levels

Custom-Built Product Design  
Bespoke Projects  
Challenging Applications



An Illuminating Choice  
for Any Application

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