## **Extra Large** IR LED Illuminator

The Clarius® Plus range of high performance Infra-Red LED illuminators are designed to provide class leading performance, long life and ultra low maintenance.

Incorporating the latest surface mount Dual Core® LED's with enhanced optical output and outstanding reliability, they deliver excellent night-time images.

Each unit is fitted with integrated control circuitry to carefully control LED output, delivering consistent illumination and projected working life in excess of 10 years.

The Clarius® Plus range of illuminators includes a new interchangeable lens diffuser system; which allows the user to quickly and easily alter the angle of illumination. Elliptical beam profiles allow more light to be delivered where it is needed, allowing both longer distances and minimising light wastage. The system also helps to prevent overexposure of foreground objects.

As standard the illuminator includes interchangeable lensing to deliver 10˚ circular, 30°, 60° and 95° elliptical beam profiles.

Installation is quick and easy, requiring only 12-32V DC / 24V AC +/- 10%.

### PRODUCT CODES

**IX-8** Extra Large Clarius PLUS Infra-Red Illuminator 850nm
**IX-9** Extra Large Clarius PLUS Infra-Red Illuminator 940nm

### Recommended PSU
ALT-60-24

### Interchangeable Diffuser Lens

### FEATURES

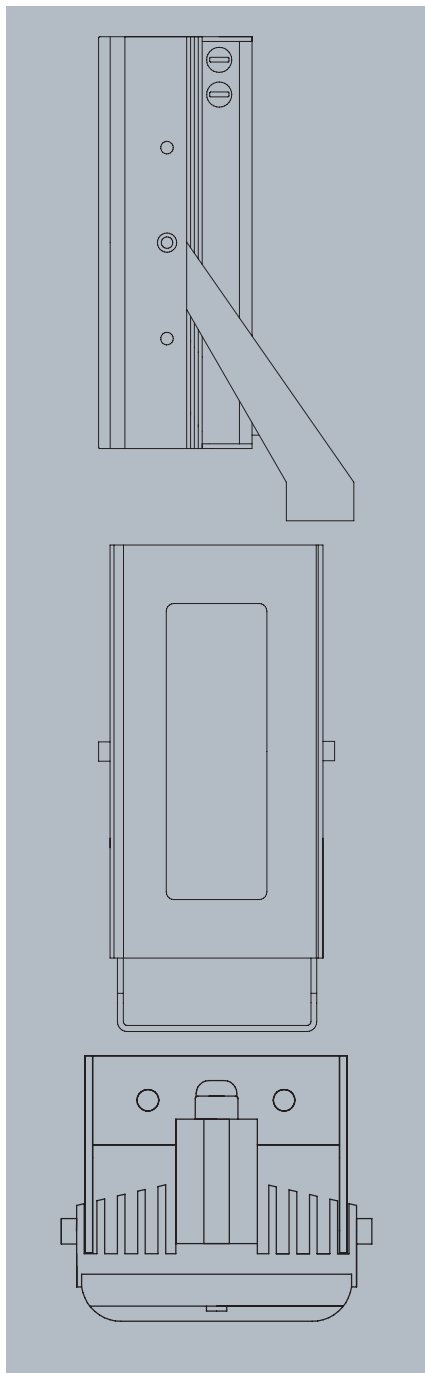| |
|---|
| Latest Dual Core® SMT LED technology |
| Distances up to 262m (859') |
| Angle 10˚, 30°, 60° & 95° |
| Elliptical beam profiles |
| 850nm or 940nm wavelengths |
| Low power consumption (52W) |
| Long life |
| 5 year warranty |
| IP66 weather proof rating |
| Built-in photocell IR on/off |
| Photocell following contact |
| Telemetry input for remote switching |
| 12-32V DC / 24V AC +/- 10% |
| CleanLITE® self cleaning lens coating technology |
| Pressure equalisation vent |
| High quality anodised aluminium heatsink |

| Product Code | Wavelength | Angle | Distance | | FOV | |
|---|---|---|---|---|---|---|
| **IX-8** | 850nm | 10° - Circular<br>30° - Elliptical<br>60° - Elliptical<br>95° - Elliptical | 262m<br>131m<br>83m<br>42m | 859'<br>429'<br>273'<br>137' | 46m<br>70m<br>96m<br>91m | 150'<br>230'<br>316'<br>298' |
| **IX-9** | 940nm | 10° - Circular<br>30° - Elliptical<br>60° - Elliptical<br>95° - Elliptical | 161m<br>91m<br>56m<br>28m | 527'<br>299'<br>184'<br>92' | 28m<br>49m<br>65m<br>61m | 92'<br>160'<br>212'<br>201' |

Other angles available on request.

## GENERAL

| | |
|---|---|
| **ELECTRONICS** | High efficiency surface mount high power dual core® with advanced current limited integral control circuitry |
| **CONSTRUCTION** | Robust high quality aluminium extrusion |
| **FRONT WINDOW** | Polycarbonate high transmission protective (vandal proof) ir filter with CleanLITE® technology |
| **FINISH** | Black anodised |
| **POWER CABLE** | 3m (9ft) including photocell following contact & remote telemetry input |
| **PRESSURE EQUALISATION VENT** | Prevents thermal expansion & pressure cycling |
| **PHOTOCELL** | Adjustable 20 -70 Lux |
| **ILLUMINATION** | Adjustable 10% - 100% |
| **OPERATING TEMPERATURE** | -50˚ to 50°C (-58° to 122°F) |
| **WEIGHT** | 1.75Kg (3.9lbs) |
| **MOUNT** | Powder coated stainless steel wall mount |
| **DIMENSIONS** | 213 x 110 x 78mm (8.39" x 4.33" x 3.07") |

## ELECTRICAL

| | |
|---|---|
| **INPUT VOLTAGE** | 12-32V DC or 24V AC +/-10% |
| **INPUT CURRENT** | 2.2A at 24V AC |
| **CONSUMPTION** | 52W |

## WAVELENGTH

| | |
|---|---|
| **STANDARD** | 850nm (Semi Covert). Faint Red Glow Only |
| **OPTIONAL** | 940nm (Covert). Minimal visible glow |

## CERTIFICATIONS

| | | |
|---|---|---|
| **WEEE** | Waste electrical & electronic equipment european directive 202/96/EC | |
| **RoHS** | Restriction of hazardous substance european directive 202/95/EC | |
| **CE-EMC** | EN 61547<br>EN 55015<br>EN 62493<br>EN 50130-4<br>EN61000 | (Lighting-Immunity)<br>(Lighting-Emission)<br>(Lighting-EMF)<br>(Alarm-EMC)<br>FCC Part 15. 107 15. 108 Class B |
| **CE-LVD** | EN 60598-1<br>EN 60598-2-1<br>EN 62368-1 / EN 60950-22 | (Luminaires-General)<br>(Luminaires) |
| **SAFETY** | EN 62471<br>EN60598:2004<br>EN60825-1 | (LED safety)<br>Electrical Safety<br>Laser Eye Safety |
| **IP** | IP66 In Accordance With EN60529;1992 | |
| **ENVIRONMENTAL** | IEC/EN 60529<br>IEC/EN 62262<br>EN 50130-5<br>N2580, EN 50581 | IP66<br>IK09<br>(Alarm-environmental)<br>(RoHS), REACH |
| **USA** | cULus<br><br>FCC | UL 2108<br>UL 8750<br>Class B |
| **AUS** | RCM (AS/NZS CISPR 22 Class B) | |