

# Clarius®

## Clarius® PLUS Extra Large

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, 20°, 30°, 60°, 80° and 95° elliptical beam profiles.

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

### PRODUCT FEATURES

- Extra Large IR Illuminator
- Latest SMT Dual Core LED™ Technology
- Distances Up To 262m (859')
- Angle 10°, 20°, 30°, 60°, 80° & 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 DV / 24V AC +/- 10%
- **CleanLITE®** Self Cleaning Lens Coating Technology



INTERCHANGEABLE DIFFUSER LENS

### Recommended PSU ALT-60-24



### SECTORS



RESIDENTIAL



COMMERCIAL



INDUSTRIAL



BORDERS



MILITARY BASES



PORTS



POWER PLANTS



HERITAGE



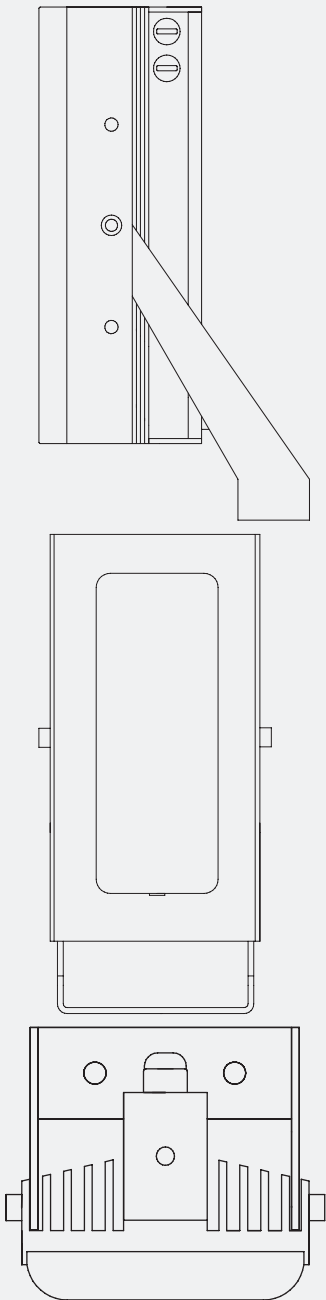
AIRPORTS



PRISONS

Product Code	Wavelength	Angle	Distance		FOV	
IX-8	850nm	10° - Circular	262m	859'	46m	150'
		20° - Elliptical	179m	586'	63m	207'
		30° - Elliptical	131m	429'	70m	230'
		60° - Elliptical	83m	273'	96m	316'
		80° - Elliptical	60m	195'	100m	328'
		95° - Elliptical	42m	137'	91m	298'
IX-9	940nm	10° - Circular	161m	527'	28m	92'
		20° - Elliptical	112m	367'	39m	130'
		30° - Elliptical	91m	299'	49m	160'
		60° - Elliptical	56m	184'	65m	212'
		80° - Elliptical	42m	138'	70m	231'
		95° - Elliptical	28m	92'	61m	201'

## TECHNICAL SPECIFICATIONS



### GENERAL

#### Electronics

High Efficiency Surface Mount High Power **Dual Core LEDs™** With Advanced Current Limited Integral Control Circuitry

#### Construction Front Window

Robust High Quality Aluminium Extrusion Polycarbonate High Transmission Protective (Vandal Proof) IR Filter with **CleanLITE®** Technology

#### Finish Power Cable

Black Anodised  
3m (9ft) including Photocell Following Contact & Remote Telemetry Input

#### Pressure Equalisation Vent Photocell

Prevents Thermal Expansion & Pressure Cycling  
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

### CERTIFICATION

#### Safety

EN60598:2004

Electrical Safety

EN60825-1

Laser Eye Safety

#### IP

IP66 In Accordance With EN60529:1992

#### EMC

EN61000, FCC Part 15. 107

15. 108 Class B

#### WEEE

Waste Electrical & Electronic Equipment

European Directive 202/96/EC

#### RoHS

Restriction Of Hazardous Substance European

Directive 202/95/EC

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