

# Clarius®



## Clarius® Extra Large

The Clarius 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 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.

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

### PRODUCT FEATURES

- Extra Large IR Illuminator
- Latest SMT LED Technology
- Distances Up To 280m (919')
- Angle 10°, 30°, 60°, 100x50°, 120°
- 850nm or 940nm Wavelengths
- Low Power Consumption (52W)
- Long Life
- 5 Year Warranty
- IP67 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

### Recommended PSU ALT-60-24



### SECTORS



RESIDENTIAL



COMMERCIAL



INDUSTRIAL



BORDERS



MILITARY BASES



PORTS



POWER PLANTS



HERITAGE



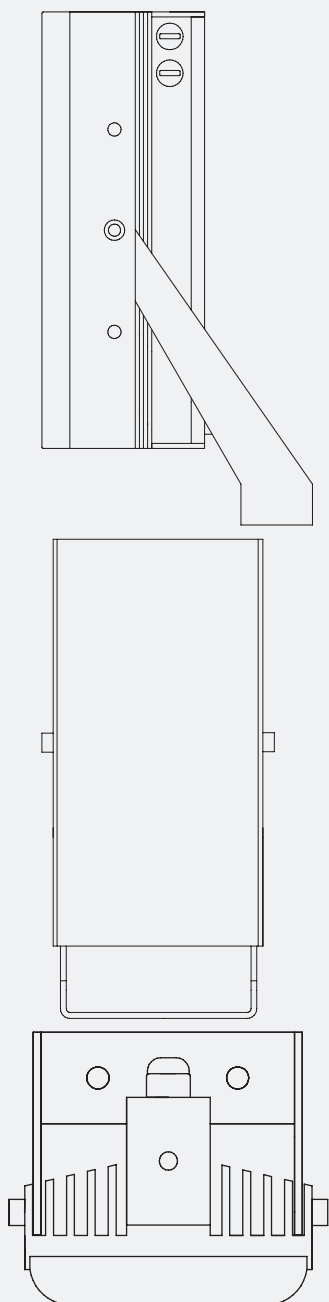
AIRPORTS



PRISONS

MODEL NUMBER	WAVELENGTH	ANGLE	DISTANCE		FOV	
IX-810	850nm	10°	280m	919'	49m	65'
IX-830	850nm	30°	190m	623'	102m	335'
IX-860	850nm	60°	125m	410'	144m	474'
IX-8100	850nm	100° x 50°	72m	236'	172m	563'
IX-8120	850nm	120°	60m	197'	208m	682'
IX-910	940nm	10°	135m	443'	24m	79'
IX-930	940nm	30°	90m	295'	48m	157'
IX-960	940nm	60°	60m	197'	69m	226'
IX-9100	940nm	100° x 50°	35m	114'	83m	273'
IX-9120	940nm	120°	29m	95'	101m	331'

## 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

Black Anodised

#### Power Cable

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

#### Remote

#### Pressure Equalisation Vent

Prevents Thermal Expansion & Pressure Cycling

#### Photocell

Adjustable 20 -70 Lux

#### Illumination

Adjustable 10% - 100%

#### Operating Temperature

-50° to 60°C (-58° to 140°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

IP67 In Accordance With EN60529:1992

#### EMC

EN61000, FCC Part 15. 107 15. 108 Class B

#### WEEE

Waste Electrical & Electronic Equipment European Directive 2002/96/EC

#### RoHS

Restriction Of Hazardous Substance European Directive 2002/95/EC

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