

# Clarius®

## Clarius® PLUS 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, 30°, 60°, 80° and 95° elliptical beam profiles.

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

### PRODUCT FEATURES

- Large IR Illuminator
- Latest Dual Core® SMT LED technology
- Distances Up To 748' (228m)
- Angle 10°, 20°, 30°, 60°, 80° & 95°
- Elliptical Beam Profiles
- 850nm or 940nm Wavelengths
- Low Power Consumption (39W)
- 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



INTERCHANGEABLE  
DIFFUSER LENS



### Recommended PSU ALT-60-24



### SECTORS



RESIDENTIAL



COMMERCIAL



INDUSTRIAL



BORDERS



MILITARY BASES



PORTS



POWER PLANTS



HERITAGE



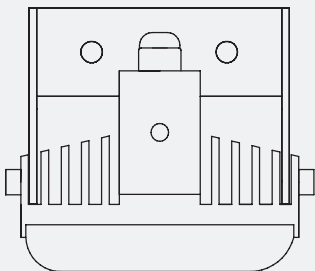
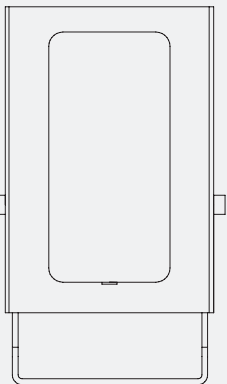
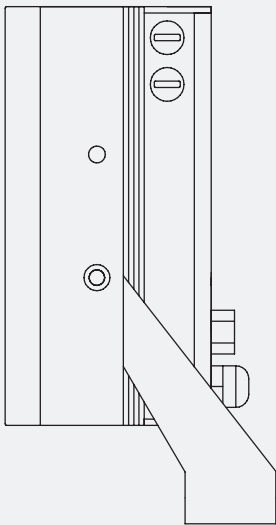
AIRPORTS



PRISONS

Product Code	Wavelength	Angle	Distance		FOV	
IL-8	850nm	10° - Circular	748'	228m	131'	40m
		20° - Elliptical	510'	156m	180'	55m
		30° - Elliptical	374'	114m	201'	61m
		60° - Elliptical	238'	73m	275'	84m
		80° - Elliptical	170'	52m	285'	87m
		95° - Elliptical	119'	36m	260'	79m
IL-9	940nm	10° - Circular	459'	140m	80'	24m
		20° - Elliptical	320'	98m	113'	34m
		30° - Elliptical	260'	79m	139'	42m
		60° - Elliptical	160'	49m	185'	56m
		80° - Elliptical	120'	37m	202'	61m
		95° - Elliptical	80'	24m	175'	53m

## TECHNICAL SPECIFICATIONS



### GENERAL

#### Electronics

High Efficiency Surface Mount High Power **Dual Core**<sup>®</sup> LED's 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**<sup>®</sup> Technology

#### Finish Power Cable

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

#### Pressure Equalisation Vent Photocell

Prevents Thermal Expansion & Pressure Cycling  
Adjustable 20 -70 Lux

#### Illumination Operating Temperature

Adjustable 10% - 100%  
-58° to 140°F (-50° to 60°C )

#### Weight

3lbs (1.35Kg)

#### Mount

Powder Coated Stainless Steel Wall Mount

#### Dimensions

6.34" x 4.33" x 3.07" (161 x 110 x 78mm)

### ELECTRICAL

#### Input Voltage

12-32V DC or 24V AC +/- 10%

#### Input Current

1.6A at 24V AC

#### Consumption

39W

### 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

