

# Clarius®

## Clarius® Plus Medium

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

- Medium IR Illuminator
- Latest Dual Core® SMT LED technology
- Distances Up To 614' (187m)
- Angle 10°, 20°, 30°, 60°, 80° & 95°
- 850nm or 940nm Wavelengths
- Low Power Consumption (26W)
- 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
- Elliptical Beam Profiles



INTERCHANGEABLE  
DIFFUSER LENS



### Recommended PSU

ALT-30-24



### SECTORS



RESIDENTIAL



COMMERCIAL



INDUSTRIAL



BORDERS



MILITARY BASES



PORTS



POWER PLANTS



HERITAGE



AIRPORTS



PRISONS

Product Code	Wavelength	Angle	Distance		FOV	
IM-8	850nm	10° - Circular	614'	187m	107'	33m
		20° - Elliptical	418'	128m	148'	45m
		30° - Elliptical	307'	94m	164'	50m
		60° - Elliptical	195'	60m	225'	69m
		80° - Elliptical	139'	43m	234'	71m
		95° - Elliptical	98'	30m	213'	65m
IM-9	940nm	10° - Circular	376'	115m	66'	20m
		20° - Elliptical	262'	80m	93'	28m
		30° - Elliptical	213'	65m	114'	35m
		60° - Elliptical	131'	40m	152'	46m
		80° - Elliptical	98'	30m	165'	50m
		95° - Elliptical	66'	20m	143'	44m

## 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  
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 122°F (-50° to 50°C)

#### Weight

2.3lbs (1.05Kg)

#### Mount

Powder Coated Stainless Steel Wall Mount

#### Dimensions

4.49" x 4.33" x 3.07" (114 x 110 x 78mm)

### ELECTRICAL

#### Input Voltage Input Current Consumption

12-32V DC or 24V AC +/- 10%  
1.2A at 24V AC  
26W

### WAVELENGTH

#### Standard Optional

850nm (Semi Covert). Faint Red Glow Only  
940nm (Covert). Minimal Visible Glow

### CERTIFICATIONS

#### WEEE

Waste Electrical & Electronic Equipment European Directive 2012/19/EC

#### Environmental

IEC/EN 60529

IP66

#### RoHS

Restriction Of Hazardous Substance European Directive 2012/19/EC

IEC/EN 62262  
EN 50130-5

IK09

(Alarm-environmental)

N2580, EN 50581

(RoHS), REACH

#### CE-EMC

EN 61547  
EN 55015  
EN 62493  
EN 50130-4

(Lighting-Immunity)  
(Lighting-Emission)  
(Lighting-EMF)  
(Alarm-EMC)

#### USA

cULus, UL 1598  
FCC, Class B

#### AUS

RCM (AS/NZS CISPR 22 Class B)

#### CE-LVD

EN 60598-1  
EN 60598-2-1  
EN 62368-1 / EN 60950-22

(Luminaires-General)  
(Luminaires)

#### Safety

EN 62471

(LED safety)

