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 SMT **Dual Core LED™** Technology
- Distances Up To 187m (614')
- 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 DV / 24V AC +/- 10%
- **CleanLITE®** Self Cleaning Lens Coating Technology
- Elliptical Beam Profiles

INTERCHANGEABLE DIFFUSER LENS

Integrated Photo Cell

12-32V DC / 24 VAC +/-10%

Telemetry & Camera Day/ Night Switching

Advanced LED Optics

Pressure Equalisation Vent

High Quality Anodised Aluminium Heatsink

Latest SMT **Dual Core LED®** Technology

CleanLITE® Self Cleaning Lens Coating Technology

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

TECHNICAL SPECIFICATIONS
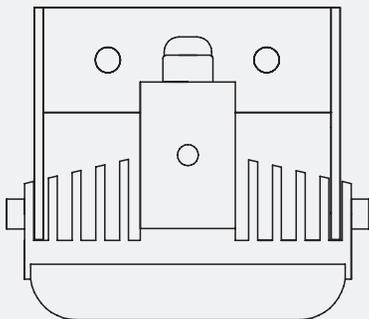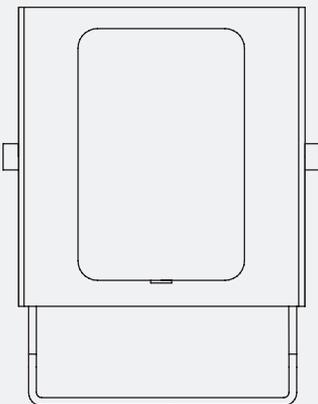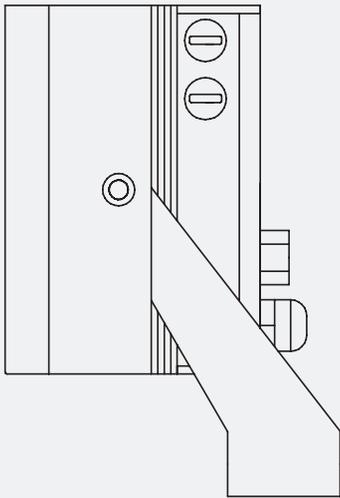
GENERAL

Electronics — High Efficiency Surface Mount High Power Dual Core LED's™ 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 — 1.05Kg (2.3lbs)

Mount — Powder Coated Stainless Steel Wall Mount

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

ELECTRICAL

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

Input Current — 1.2A at 24V AC

Consumption — 26W

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