Clarius®

Medium IR LED Illuminator

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° and 95° elliptical beam profiles.

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

INTERCHANGEABLE DIFFUSER LENS

PRODUCT CODES

IM-8 Medium Clarius PLUS Infra-Red Illuminator 850nm
IM-9 Medium Clarius PLUS Infra-Red Illuminator 940nm

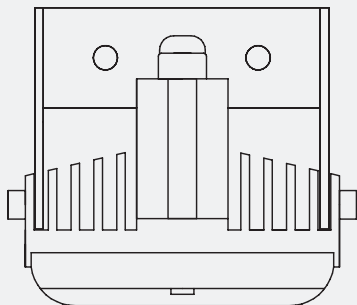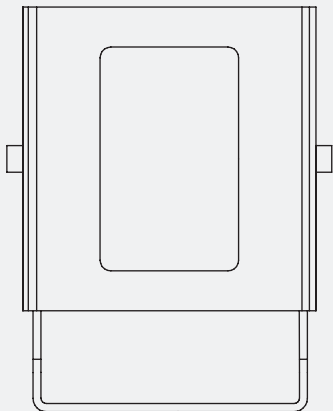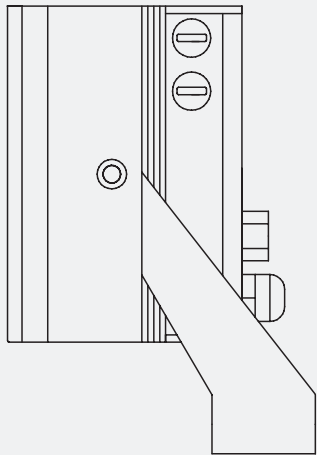| FEATURES |
| --- |
| Latest **Dual Core®** SMT LED technology |
| Distances up to 187m (614') |
| Angle 10°, 30°, 60° & 95° |
| 850nm or 940nm wavelengths |
| Low power consumption (26W) |
| Long life |
| 5 year warranty |
| IP66 weather proof rating |
| Built-in photocell IR on/off |
| Photocell following contact |
| Telemetry input for remote switching |
| 12-32V DC / 24V AC +/- 10% |
| **CleanLITE®** self cleaning lens coating technology |
| Elliptical beam profiles |
| High quality anodised aluminium heatsink |
| Pressure equalisation vent |

Recommended PSU
ALT-30-24
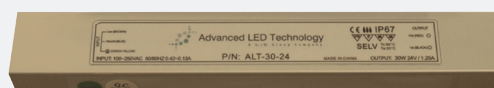
Product Code	Wavelength	Angle	Distance		FOV	
IM-8	850nm	10° - Circular 30° - Elliptical 60° - Elliptical 95° - Elliptical	187m 94m 60m 30m	614' 307' 195' 98'	33m 50m 69m 65m	107' 164' 225' 213'
IM-9	940nm	10° - Circular 30° - Elliptical 60° - Elliptical 95° - Elliptical	115m 65m 40m 20m	376' 213' 131' 66'	20m 35m 46m 44m	66' 114' 152' 143'

TECHNICAL SPECIFICATIONS

GENERAL

Electronics — High Efficiency Surface Mount High Power Dual Core® LEDs 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

CERTIFICATIONS

WEEE	Waste Electrical & Electronic Equipment European Directive 202/96/EC	**Environmental** IEC/EN 60529	IP66
RoHS	Restriction Of Hazardous Substance European Directive 202/95/EC	IEC/EN 62262 EN 50130-5 N2580, EN 50581	IK09 (Alarm-environmental) (RoHS), REACH
CE-EMC EN 61547 EN 55015 EN 62493 EN 50130-4	 (Lighting-Immunity) (Lighting-Emission) (Lighting-EMF) (Alarm-EMC)	**USA** cULus FCC **AUS**	UL 2108 UL 8750 Class B 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)		