Clarius®

Small 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, 20°, 30°, 60°, 80° and 95° elliptical beam profiles.

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

INTERCHANGEABLE DIFFUSER LENS

PRODUCT CODES

IS-8 Small Clarius PLUS Infra-Red Illuminator 850nm
IS-9 Small Clarius PLUS Infra-Red Illuminator 940nm

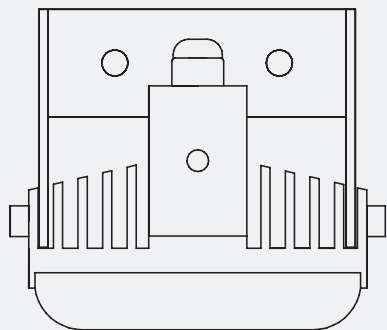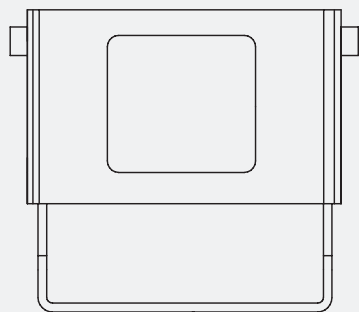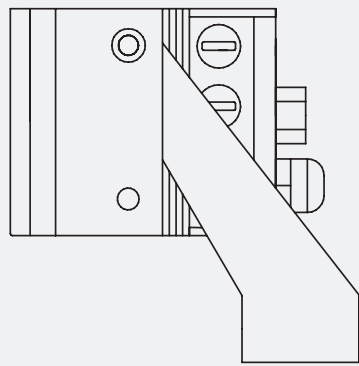| FEATURES |
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| Latest **Dual Core®** SMT LED technology |
| Distances up to 132m (434') |
| Angle 10°, 20°, 30°, 60°, 80° & 95° |
| Elliptical beam profiles |
| 850nm or 940nm wavelengths |
| Low power consumption (15W) |
| Long life |
| 5 year warranty |
| IP66 weather proof rating |
| Built-in photocell IR On/Off |
| Photocell following contact |
| Telemetry input for camera day/night remote switching |
| 12-32V DC / 24V AC +/-10% |
| **CleanLITE®** Self cleaning lens coating technology |
| High quality anodised aluminium heatsink |
| Pressure equalisation vent |

Recommended PSU
ALT-30-24

Product Code	Wavelength	Angle	Distance		FOV	
IS-8	850nm	10° - Circular	132m	434'	23m	76'
		20° - Elliptical	90m	296'	32m	104'
		30° - Elliptical	66m	217'	35m	116'
		60° - Elliptical	42m	138'	49m	159'
		80° - Elliptical	30m	99'	50m	165'
		95° - Elliptical	21m	69'	46m	151'
IS-9	940nm	10° - Circular	81m	266'	14m	47'
		20° - Elliptical	48m	158'	17m	56'
		30° - Elliptical	39m	128'	21m	69'
		60° - Elliptical	24m	79'	28m	91'
		80° - Elliptical	18m	59'	30m	99'
		95° - Elliptical	12m	39'	26m	86'

Other angles available on request.

TECHNICAL SPECIFICATIONS

GENERAL

Electronics — High Efficiency Surface Mount High Power Dual Core® 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 — 750g (1.6lbs)
Mount — Powder Coated Stainless Steel Wall Mount
Dimensions — 68 x 110 x 78mm (2.68" x 4.33" x 3.07")

ELECTRICAL
Input Voltage — 12-32V DC or 24V AC +/-10%
Input Current — 0.6A at 24V AC
Consumption — 15W

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, 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)		