

## Medium IR LED Illuminator

The Clarius<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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%.

### PRODUCT CODES

**IM-8** Medium Clarius PLUS Infra-Red Illuminator 850nm

**IM-9** Medium Clarius PLUS Infra-Red Illuminator 940nm

### Recommended PSU

ALT-30-24



### Interchangeable Diffuser Lens

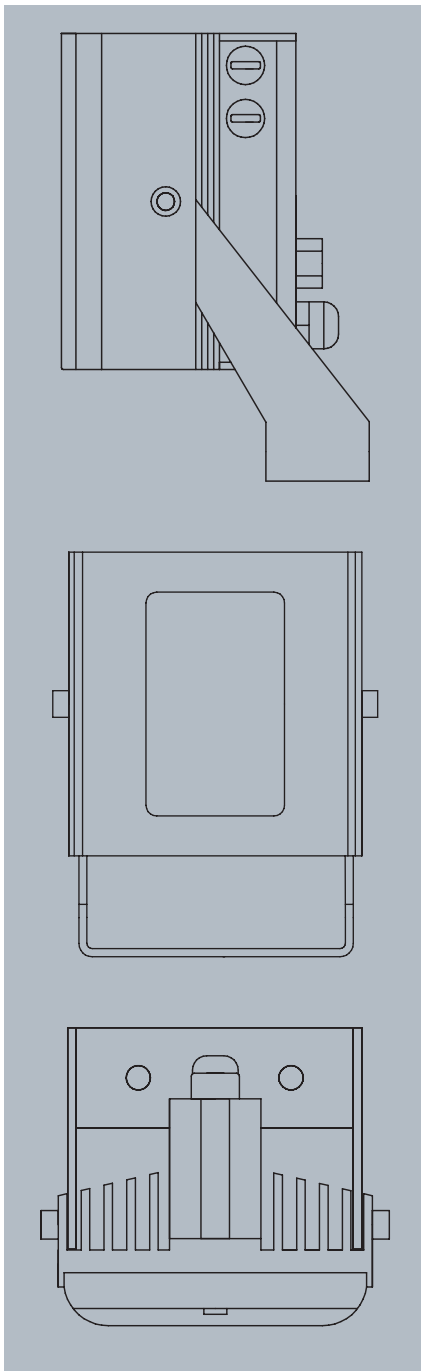


### FEATURES

Latest Dual Core <sup>®</sup> 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 <sup>®</sup> self cleaning lens coating technology
Elliptical beam profiles
High quality anodised aluminium heatsink
Pressure equalisation vent

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

Other angles available on request.



**GENERAL**

<b>ELECTRONICS</b>	High efficiency surface mount high power dual core® with advanced current limited integral control circuitry
<b>CONSTRUCTION</b>	Robust high quality aluminium extrusion
<b>FRONT WINDOW</b>	Polycarbonate high transmission protective (vandal proof) ir filter with CleanLITE® technology
<b>FINISH</b>	Black anodised
<b>POWER CABLE</b>	3m (9ft) including photocell following contact & remote telemetry input
<b>PRESSURE EQUALISATION VENT</b>	Prevents thermal expansion & pressure cycling
<b>PHOTOCELL</b>	Adjustable 20 -70 Lux
<b>ILLUMINATION</b>	Adjustable 10% - 100%
<b>OPERATING TEMPERATURE</b>	-50° to 50°C (-58° to 122°F)
<b>WEIGHT</b>	1.05Kg (2.3lbs)
<b>MOUNT</b>	Powder coated stainless steel wall mount
<b>DIMENSIONS</b>	114 x 110 x 78mm (4.49" x 4.33" x 3.07")

**ELECTRICAL**

<b>INPUT VOLTAGE</b>	12-32V DC or 24V AC +/-10%
<b>INPUT CURRENT</b>	1.2A at 24V AC
<b>CONSUMPTION</b>	26W

**WAVELENGTH**

<b>STANDARD</b>	850nm (Semi Covert). Faint Red Glow Only
<b>OPTIONAL</b>	940nm (Covert). Minimal visible glow

**CERTIFICATIONS**

<b>WEEE</b>	Waste electrical & electronic equipment european directive 2012/19/EC	
<b>RoHS</b>	Restriction of hazardous substance european directive 2011/65/EC	
<b>CE-EMC</b>	EN 61547 EN 55015 EN 62493 EN 50130-4	(Lighting-Immunity) (Lighting-Emission) (Lighting-EMF) (Alarm-EMC)
<b>CE-LVD</b>	EN 60598-1 EN 60598-2-1 EN 62368-1 / EN 60950-22	(Luminaires-General) (Luminaires)
<b>SAFETY</b>	EN 62471	(LED safety)
<b>ENVIRONMENTAL</b>	IEC/EN 60529 IEC/EN 62262 EN 50130-5 N2580, EN 50581	IP66 IK09 (Alarm-environmental) (RoHS), REACH
<b>USA</b>	cULus FCC	UL 2108 UL 8750 Class B
<b>AUS</b>	RCM (AS/NZS CISPR 22 Class B)	