

Large Infra-Red LED Illuminator

The GJD 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.

GJD illuminators include 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.

FEATURES

Latest Dual Core® SMT LED technology	Built-in photocell IR On/Off
Distances up to 228m (748')	Photocell following contact
Angle 10°, 30°, 60°, & 95°	Telemetry input for camera day/night remote switching
Elliptical beam profiles	12-32V DC / 24V AC +/-10%
850nm or 940nm wavelengths	CleanLITE® Self cleaning lens coating technology
Low power consumption (15W)	High quality anodised aluminium heatsink
Long life	Pressure equalisation vent
5 year warranty	
IP66 weather proof rating	

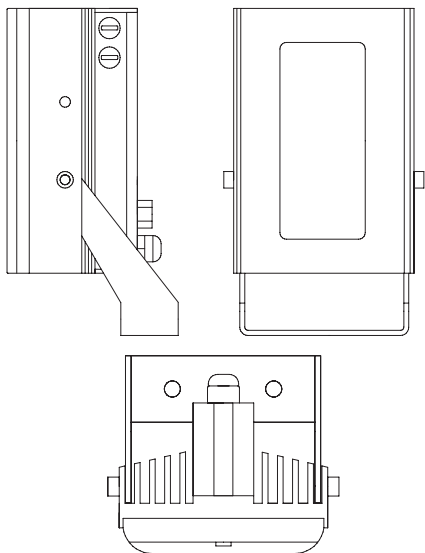
PRODUCT CODES

IL-8	Large Infra-Red Illuminator 850nm
IL-9	Large Infra-Red Illuminator 940nm

RECOMMENDED PSU

ALT-60-24	60W Power Supply
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SPECIFICATIONS



PRODUCT CODE	WAVELENGTH	ANGLE	DISTANCE		FOV	
IL-8	850nm	10° - Circular	228m	748'	40m	131'
		30° - Elliptical	114m	374'	61m	201'
		60° - Elliptical	73m	238'	84m	275'
		95° - Elliptical	36m	119'	79m	260'
IL-9	940nm	10° - Circular	140m	459'	24m	80'
		30° - Elliptical	79m	260'	42m	139'
		60° - Elliptical	49m	160'	56m	185'
		95° - Elliptical	24m	80'	53m	175'

- General Electronics**
 High efficiency surface mount high power 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
- IR Wavelength**
 850nm (Semi covert). Faint red glow only
 940nm (Covert). Minimal visible glow
- Power Cable**
 3m (9ft)
- Interface Connector**
 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**
 1.35Kg (3lbs)
- Mount**
 Powder coated stainless steel wall mount
- Dimensions**
 161 x 110 x 78mm (6.34" x 4.33" x 3.07")

- Electrical**
Input Voltage
 12-32V DC or 24V AC +/-10%
- Input Current**
 1.6A at 24V AC
- Consumption**
 39W
- 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
RoHS	Restriction of hazardous substance european directive 202/95/EC
CE-EMC	EN 61547 (Lighting-Immunity) EN 55015 (Lighting-Emission) EN 62493 (Lighting-EMF) EN 50130-4 (Alarm-EMC) EN61000, FCC Part 15. 107 15. 108 Class B
CE-LVD	EN 60598-1 (Luminaires-General) EN 60598-2-1 (Luminaires) EN 62368-1 / EN 60950-22

SAFETY	EN 62471 (LED safety) EN60598:2004 Electrical Safety EN60825-1 Laser Eye Safety
IP	IP66 In Accordance With EN60529:1992
ENVIRONMENTAL	IEC/EN 60529 IP66 IEC/EN 62262 IK09 EN 50130-5 (Alarm-environmental) N2580, EN 50581 (RoHS), REACH
USA	cULus UL 2108 FCC UL 8750 Class B
AUS	RCM (AS/NZS CISPR 22 Class B)