Small
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
- Distances up to 132m (434')
- Angle 10°, 30°, 60°, & 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%
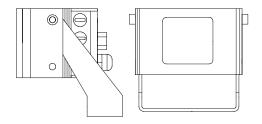- CleanLITE® Self cleaning lens coating technology
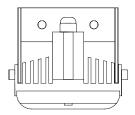- High quality anodised aluminium heatsink
- Pressure equalisation vent

PRODUCT CODES

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

RECOMMENDED PSU

ALT-30-24	30W Power Supply

GJD
An AVA Group Company

SPECIFICATIONS

PRODUCT CODE	WAVELENGTH	ANGLE	DISTANCE		FOV	
IS-8	850nm	10° - Circular	132m	434'	23m	76'
		30° - Elliptical	66m	217'	35m	116'
		60° - Elliptical	42m	138'	49m	159'
		95° - Elliptical	21m	69'	46m	151'
IM-9-IP	940nm	10° - Circular	81m	266'	14m	47'
		30° - Elliptical	39m	128'	21m	69'
		60° - Elliptical	24m	79'	28m	91'
		95° - Elliptical	12m	39'	26m	86'

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
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
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)
CE-LVD	EN 60598-1 (Luminaires-General) EN 60598-2-1 (Luminaires) EN 62368-1 / EN 60950-22

SAFETY	EN 62471 (LED safety)	
ENVIRONMENTAL	IEC/EN 60529	IP66
	IEC/EN 62262	IK09
	EN 50130-5 (Alarm-environmental)	
	N2580, EN 50581 (RoHS), REACH	
USA	cULus	UL 2108
		UL 8750
	FCC	Class B
AUS	RCM (AS/NZS CISPR 22 Class B)	

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