

# Clarius®



## PRODUCT CODES

**IX-8** Extra Large Clarius PLUS Infra-Red Illuminator 850nm

**IX-9** Extra Large Clarius PLUS Infra-Red Illuminator 940nm

### FEATURES

Latest <b>Dual Core</b> ® SMT LED technology
Distances up to 262m (859')
Angle 10°, 20°, 30°, 60°, 80° & 95°
Elliptical beam profiles
850nm or 940nm wavelengths
Low power consumption (52W)
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%
<b>CleanLITE</b> ® self cleaning lens coating technology
Pressure equalisation vent
High quality anodised aluminium heatsink

## Extra Large 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%.



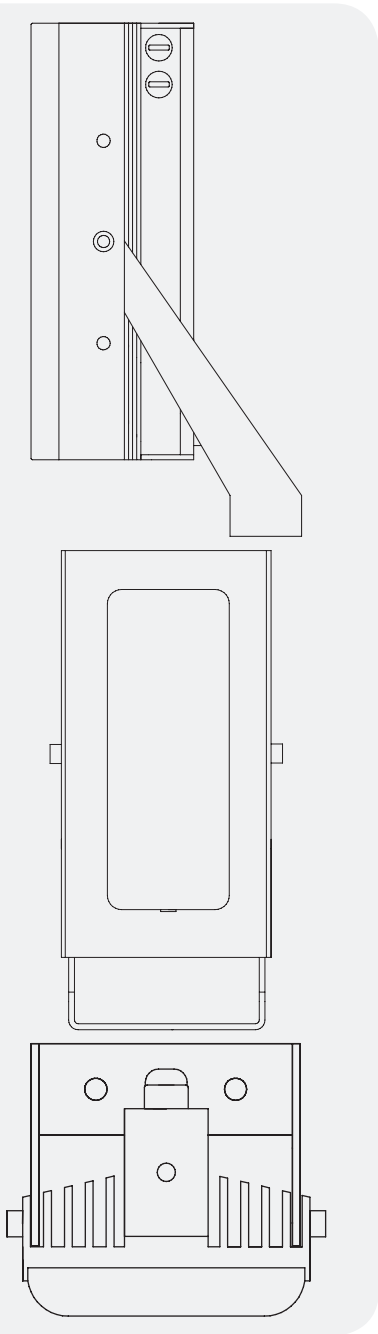
INTERCHANGEABLE  
DIFFUSER LENS

## Recommended PSU ALT-60-24



Product Code	Wavelength	Angle	Distance		FOV	
IX-8	850nm	10° - Circular	262m	859'	46m	150'
		20° - Elliptical	179m	586'	63m	207'
		30° - Elliptical	131m	429'	70m	230'
		60° - Elliptical	83m	273'	96m	316'
		80° - Elliptical	60m	195'	100m	328'
		95° - Elliptical	42m	137'	91m	298'
IX-9	940nm	10° - Circular	161m	527'	28m	92'
		20° - Elliptical	112m	367'	39m	130'
		30° - Elliptical	91m	299'	49m	160'
		60° - Elliptical	56m	184'	65m	212'
		80° - Elliptical	42m	138'	70m	231'
		95° - Elliptical	28m	92'	61m	201'

TECHNICAL SPECIFICATIONS



GENERAL

Electronics	High Efficiency Surface Mount High Power <b>Dual Core</b> ® 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 <b>CleanLITE</b> ® Technology
Finish	Black Anodised
Power Cable	3m (9ft) including Photocell Following Contact & Remote Telemetry Input
Pressure Equalisation Vent	Prevents Thermal Expansion & Pressure Cycling
Photocell Illumination	Adjustable 20 -70 Lux
Operating Temperature	Adjustable 10% - 100%
Weight	-50° to 50°C (-58° to 122°F)
Mount	1.75Kg (3.9lbs)
Dimensions	Powder Coated Stainless Steel Wall Mount
	213 x 110 x 78mm (8.39" x 4.33" x 3.07")

ELECTRICAL

Input Voltage	12-32V DC or 24V AC +/- 10%
Input Current	2.2A at 24V AC
Consumption	52W

WAVELENGTH

Standard	850nm (Semi Covert). Faint Red Glow Only
Optional	940nm (Covert). Minimal Visible Glow

CERTIFICATION

Safety	EN60598:2004	Electrical Safety
	EN60825-1	Laser Eye Safety
IP	IP66 In Accordance With EN60529;1992	
EMC	EN61000, FCC Part 15. 107	
	15. 108 Class B	
WEEE	Waste Electrical & Electronic Equipment	
	European Directive 202/96/EC	
RoHS	Restriction Of Hazardous Substance European	
	Directive 202/95/EC	

