

# Clarius®



## Extra Large DUAL IR LED Illuminator

The Clarius® DUAL Plus range of high performance LED illuminators are designed to provide class leading performance, long life and ultra low maintenance.

Incorporating the latest ultra high power surface mount Dual Core® LED's with enhanced optical output and outstanding reliability, they deliver excellent night time images.

Individually adjustable panels allows the user to alter the angle of illumination to match the cameras field of view.

The Clarius® DUAL 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.

### PRODUCT CODES

**IX2-8-DUAL** Extra Large PLUS DUAL Infra-Red Illuminator 850nm

**IX2-9-DUAL** Extra Large PLUS DUAL Infra-Red Illuminator 940nm

### FEATURES

- Distance up to 367m (1202ft)
- Latest Dual Core® SMT LED technology
- Adjustable angles
- Low power consumption
- IP66 weather proof rating
- CleanLITE® self cleaning lens coating technology
- 850nm or 940nm wavelengths
- Long life
- 5 year warranty
- Angle 10°, 20°, 30°, 60°, 80° & 95°
- Elliptical beam profiles
- 12-32 VDC / 24V AC +/- 10%



INTERCHANGEABLE  
DIFFUSER LENS

### ADJUSTABLE ANGLES



Narrow  
Angle



Wide  
Angle

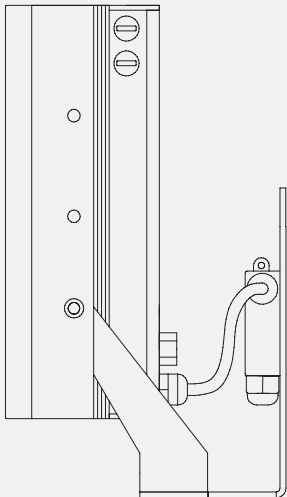
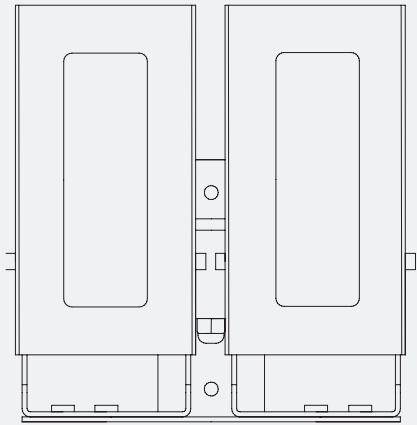
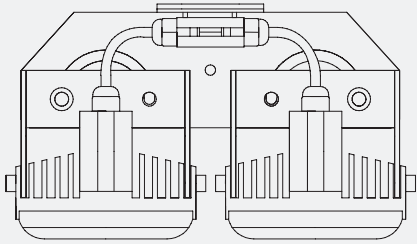
### Recommended PSU



150W Power Supply  
**Part Code: ALT-150-24**

Product Code	Wavelength	Angle	Distance		FOV	
IX2-8-DUAL	850nm	10° - Circular	367m	1202'	64m	210'
		20° - Elliptical	250m	820'	88m	289'
		30° - Elliptical	183m	601'	98m	322'
		60° - Elliptical	117m	383'	135m	442'
		80° - Elliptical	83m	273'	140m	459'
		95° - Elliptical	58m	191'	127m	418'
IX2-9-DUAL	940nm	10° - Circular	225m	738'	39m	129'
		20° - Elliptical	157m	514'	55m	181'
		30° - Elliptical	127m	418'	68m	224'
		60° - Elliptical	78m	257'	91m	297'
		80° - Elliptical	59m	193'	99m	324'
		95° - Elliptical	39m	129'	86m	281'

## TECHNICAL SPECIFICATIONS



### ILLUMINATOR

**Max Distance**  
**Angle**  
**Construction**

Up to 367m (1202ft)  
Various (see above)  
Robust high quality aluminium extrusion

**Finish**  
**Front Window**

Black anodised  
Polycarbonate high transmission with CleanLITE® technology

**Illuminator Cable**

3m (9ft)

**Optics**  
**Pressure Vents**  
**Temperature**  
**Dimensions**  
**Weight**

Latest Dual Core® SMT LED technology  
Prevents thermal expansion & pressure cycling  
-50° to 50°C (-58° to 122°F)  
213.5 x 238 x 79.5  
3.9Kg (9lb)

### BRACKETRY

Powder coated stainless steel wall mount included

### ELECTRICAL

**Input Voltage**  
**Input Current**  
**Power Consumption**

12-32 VDC / 24V AC +/- 10%  
4.4 A at 24V  
104W

### 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

IK09  
(Alarm-environmental)

N2580, EN 50581

(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)

