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
Built-in photocell IR on/off
Photocell following contact Telemetry input for remote switching
5 year warranty
Angle 10°, 20°, 30°, 60°, 80° & 95°
Elliptical beam profiles
12-32 VDC / 24V AC +/- 10%

INTERCHANGEABLE DIFFUSER LENS
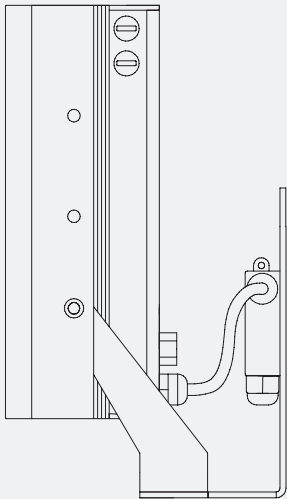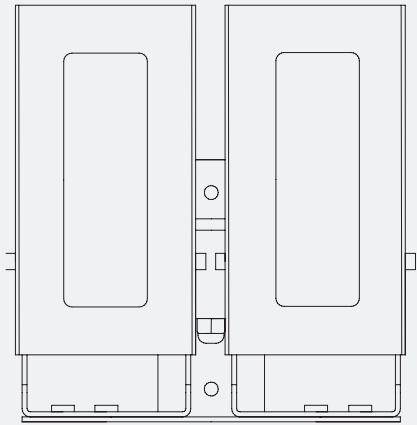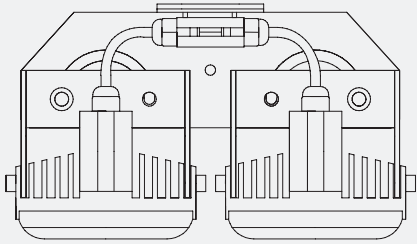
ADJUSTABLE ANGLES

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	Up to 367m (1202ft)
Angle	Various (see above)
Construction	Robust high quality aluminium extrusion
Finish	Black anodised
Front Window	Polycarbonate high transmission with CleanLITE® technology
Illuminator Cable	3m (9ft)
Optics	Latest Dual Core® SMT LED technology
Pressure Vents	Prevents thermal expansion & pressure cycling
Temperature	-50° to 50°C (-58° to 122°F)
Dimensions	213.5 x 238 x 79.5
Weight	3.9Kg (9lb)

BRACKETRY — Powder coated stainless steel wall mount included

ELECTRICAL

Input Voltage	12-32 VDC / 24V AC +/- 10%
Input Current	4.4 A at 24V
Power Consumption	104W

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)