Clarius®

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° & 95° elliptical beam profiles.

PRODUCT CODES

IL2-8-DUAL Large Clarius PLUS DUAL Infra-Red Illuminator 850nm
IL2-9-DUAL Large Clarius PLUS DUAL Infra-Red Illuminator 940nm

FEATURES
Distance up to 319m (1048ft)
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%
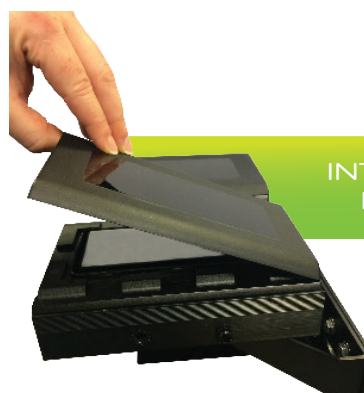
INTERCHANGEABLE DIFFUSER LENS

ADJUSTABLE ANGLES

Narrow Angle

Wide Angle

Recommended PSU

100W Power Supply
Part Code: ALT-100-24

Product Code	Wavelength	Angle	Distance		FOV	
IL2-8-DUAL	850nm	10° - Circular 20° - Elliptical 30° - Elliptical 60° - Elliptical 80° - Elliptical 95° - Elliptical	319m 218m 160m 102m 73m 51m	1048' 714' 524' 333' 238' 167'	56m 77m 86m 117m 122m 111m	183' 252' 281' 385' 400' 364'
IL2-9-DUAL	940nm	10° - Circular 20° - Elliptical 30° - Elliptical 60° - Elliptical 80° - Elliptical 95° - Elliptical	196m 137m 111m 68m 51m 34m	643' 448' 364' 224' 168' 112'	34m 48m 59m 79m 86m 75m	113' 158' 195' 259' 282' 245'

TECHNICAL SPECIFICATIONS

ILLUMINATOR

Max Distance	Up to 319m (1048ft)
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	161.5mm x 238mm x 79.5mm
Weight	3.3Kg (7.3lb)
Bracketry	Powder coated stainless steel wall mount included

ELECTRICAL

Input Voltage	12-32 VDC / 24V AC +/- 10%
Input Current	3.2 A at 24V
Power Consumption	78W

CERTIFICATIONS

WEEE	Waste Electrical & Electronic Equipment European Directive 202/96/EC	**Environmental**	
		IEC/EN 60529	IP66
		IEC/EN 62262	IK09
RoHS	Restriction Of Hazardous Substance European Directive 202/95/EC	EN 50130-5	(Alarm-environmental)
		N2580, EN 50581	(RoHS), REACH

CE-EMC		**USA**	
EN 61547	(Lighting-Immunity)	cULus	UL 2108
EN 55015	(Lighting-Emission)		UL 8750
EN 62493	(Lighting-EMF)	FCC	Class B
EN 50130-4	(Alarm-EMC)		
		AUS	RCM (AS/NZS CISPR 22 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)