

Clarius®

Clarius® PLUS Long Range

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

Incorporating the latest surface mount 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, 30°x20°, 60°x30°, 80°x60° & 120°x50° elliptical beam profiles.

Installation is quick and easy, requiring only a 12-32V DC / 24V AC +/- 10%.

PRODUCT FEATURES

- Long Range WL Illuminator
- Latest SMT **Dual Core LED™** Technology
- Distances Up To 133m (436')
- Angle 10, 30x20, 60x30, 80x60, 120x50
- Elliptical Beam Profiles
- 850nm or 940nm Wavelengths
- Low Power Consumption (39W)
- Long Life
- 5 Year Warranty
- IP67 Weather Proof Rating
- Built-in Photocell WL On/Off
- Photocell Following Contact
- Telemetry Input for Remote Switching
- 12-32V DV / 24V AC +/- 10%
- **CleanLITE®** Self Cleaning Lens Coating Technology



INTERCHANGEABLE DIFFUSER LENS

Recommended PSU ALT-60-24



Telemetry & Camera Day/Night Switching

Pressure Equalisation Vent

High Quality Anodised Aluminium Heatsink



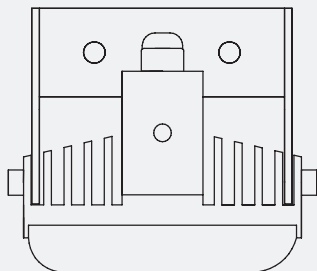
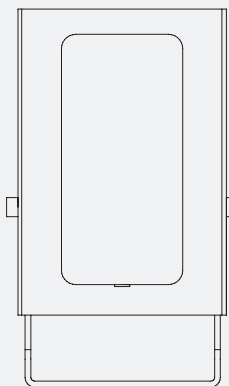
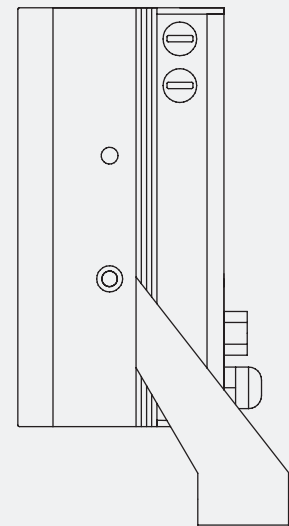
APPLICATIONS



MODEL NUMBER	ANGLE	DISTANCE		FOV	
VL-CW	10°	133m	436'	23m	76'
	30° x 20°	70m	230'	38m	123'
	60° x 30°	53m	174'	61m	201'
	80° x 60°	33m	110'	79m	258'
	120° x 50°	28m	92'	97m	318'

Other angles available on request

TECHNICAL SPECIFICATIONS



GENERAL

Electronics	High Efficiency Surface Mount High Power Dual Core LEDs™ 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	Silver Anodised
Power Cable	3m (9ft)
Interface Connector	Photocell Following Contact & Remote Telemetry Input
Pressure Equalisation Vent	Prevents Thermal Following Contact & Pressure Cycling
Photocell	Adjustable 20 -70 Lux
Illumination	Adjustable 10% - 100%
Operating Temperature	-50° to 60°C (-58° to 140°F)
Weight	1.35Kg (1.6lbs)
Mount	Powder Coated Stainless Steel Wall Mount
Dimensions	213 x 110 x 78mm (6.34" x 4.33" x 3.07")

ELECTRICAL

Input Voltage	12-32V DC or 24V AC +/- 10%
Input Current	1.6A at 24V AC
Consumption	39W

LIGHTING OUTPUT

Lumen Output	2784lm
Wavelength	Visible Spectrum (400-750nm)
Colour Temperature	6500k
Colour Rendering Index	74-80+

CERTIFICATION

Safety	EN60598:2004	Electrical Safety
	EN60825-1	Laser Eye Safety
IP	IP67 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	

APPLICATIONS



RESIDENTIAL



COMMERCIAL



INDUSTRIAL



AIRPORTS



BORDERS



MILITARY BASES



MACHINE VISION



PORTS