

Hybrid IP IR/WL LED Illuminator

The Clarius[®] Hybrid IP is a high-performance combined infra-red and white light illuminator. Incorporating the latest surface mount LED's with enhanced optical output and outstanding reliability, delivers excellent night-time images.

The Clarius[®] Hybrid IP is an internet protocol connected illuminator with integrated web browser interface. The range includes an 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, illuminating 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°, 60° & 95° elliptical beam profiles.

PRODUCT CODES

HL-8CW-IP Clarius Hybrid IP 850nm IR/WL Illuminator
HL-9CW-IP Clarius Hybrid IP 940nm IR/WL Illuminator



OSRAM

LEDs Included

Interchangeable Diffuser Lens



FEATURES

- Hybrid Illuminator designed to provide dedicated lighting for IP cameras via PoE+ (power over ethernet)
- Combined Infra-red and White-light illumination
- Latest SMT LED technology
- Angle 10°, 30°, 60°, & 95° (Other angles are available on request)
- Elliptical beam profiles
- Distances up to 187m (614') (IR) and 114m (374') (White light)
- Integrated browser interface
- Direct integration with VMS system
- IEEE802.3at compliant
- IP66 weatherproof rating
- Built-in photocell on/off
- Vibration/shock sensor
- CleanLITE[®] self-cleaning lens coating technology
- High quality anodised aluminium heatsink
- 5-year warranty

Supported VMS software/NVRs



Supported cameras for direct control



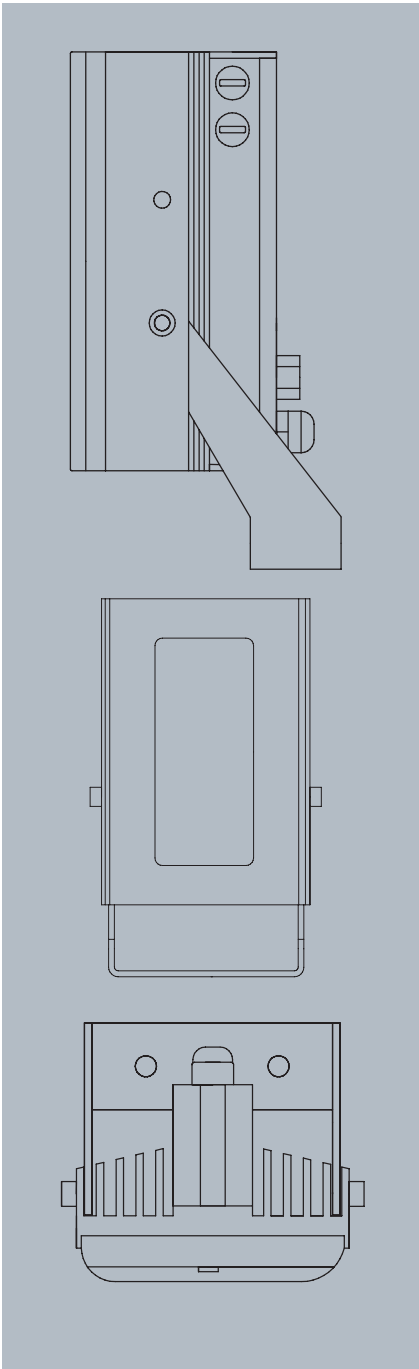
Supported home automation software



Infra-Red Distances						
Product Code	Wavelength	Angle	Distance		FOV	
HL-8CW-IP	850nm	10° - Circular	187m	614'	33m	107'
		30° - Elliptical	94m	307'	50m	164'
		60° - Elliptical	60m	195'	69m	225'
		95° - Elliptical	30m	98'	65m	213'
HL-9CW-IP	940nm	10° - Circular	115m	376'	20m	66'
		30° - Elliptical	65m	213'	35m	114'
		60° - Elliptical	40m	131'	46m	152'
		95° - Elliptical	20m	66'	44m	143'

White-Light Distances				
Angle	Distance		FOV	
10° - Circular	114m	374'	20m	65'
30° - Elliptical	67m	218'	36m	117'
60° - Elliptical	48m	156'	55m	180'
95° - Elliptical	29m	94'	62m	204'

(Other angles are available on request)



GENERAL	
ELECTRONICS	High efficiency surface mount high power 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 CleanLITE [®] technology
FINISH	Black anodised
IR WAVELENGTH	850nm (Semi covert). Faint red glow only 940nm (Covert). Minimal visible glow
WHITE-LIGHT	Lumen output: 1800 lm+ Colour temperature: Ultra white ≈6000K CRI: >70
POWER CABLE	1m with IP68 connector
PRESSURE EQUALISATION VENT	Prevents thermal expansion & pressure cycling
PHOTOCELL	Software adjustable
ILLUMINATION	Software adjustable 10% - 100% with pulse modes
OPERATING TEMPERATURE	-50° to 60°C (-58° to 140°F)
WEIGHT	1.35Kg (3lbs)
MOUNT	Powder coated stainless steel wall mount
DIMENSIONS	161 x 110 x 78mm (6.34" x 4.33" x 3.07")
USER INTERFACE	Web browser user interface. No software or installation needed.
ELECTRICAL	
INPUT VOLTAGE	PoE+, IEEE802at Compliant, TCP/IP
CONSUMPTION	25W

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 55032, Class B (IT-Emission) EN 55024 (IT-Immunity) 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)
IP	IP66 in accordance with EN60529:1992
ENVIRONMENTAL	IEC/EN 60529 IP66 IEC/EN 62262 IK09 EN 50130-5 (Alarm-environmental)
AUS	RCM (AS/NZS CISPR 22 Class B)