CLARIUS®
LED Illuminators

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.

OSRAM
LEDs Included

Interchangeable Diffuser Lens

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

Supported VMS software/NVRs

AXIS COMMUNICATIONS | milestone | Genetec | HIKVISION | avigilon

nx networkoptix | Hanwha Techwin Europe | dahua TECHNOLOGY | Concept Pro HD-IP | BOSCH

EMBSEC | KENTIMA Automation and Security Product | qulu | MIRASYS | GRIFFID

wavestore Innovation with integrity | See Tec | LILIN

Supported cameras for direct control

AXIS COMMUNICATIONS | HIKVISION | LILIN | dahua TECHNOLOGY | MOBOTIX

SONY | Genie | ernitec | BOSCH

Supported home automation software

Control4 | RTI | LUTRON | CRESTRON

rako | URC

FEATURES

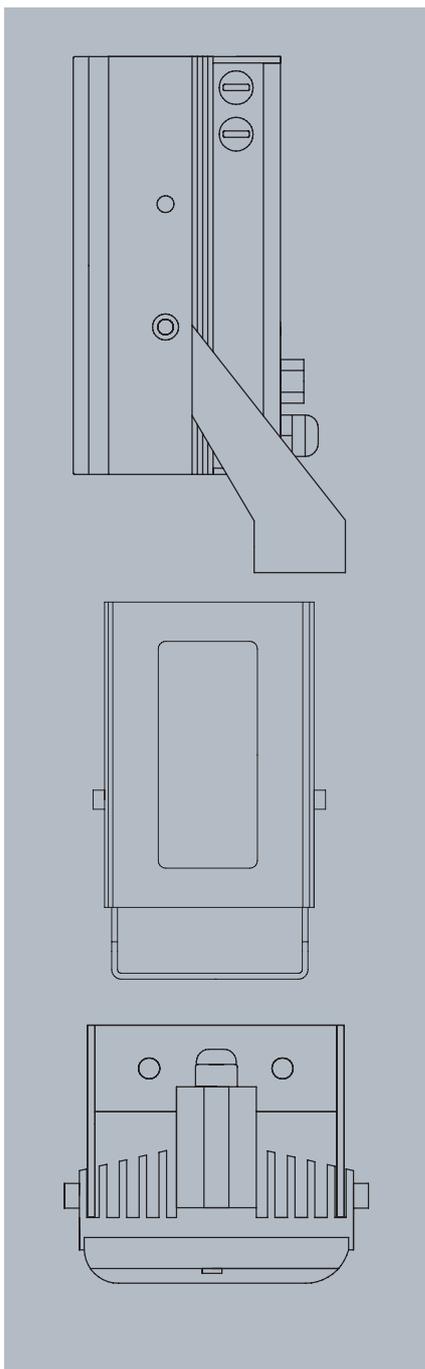| |
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| Hybrid Illuminator designed to provide dedicated lighting for IP cameras via PoE+ (power over ethernet) |
| Combined Infra-red and White-light illumination |
| Latest SMT LED technology |
| Angle 10˚, 30˚, 60˚, & 95˚ (Other angles are available on request) |
| Elliptical beam profiles |
| Distances up to 187m (614') (IR) and 114m (374') (White light) |
| Integrated browser interface |
| Direct integration with VMS system |
| IEEE02at 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 |

SPECIFICATIONS

Infra-Red Distances						
Product Code	**Wavelength**	**Angle**	**Distance**		**FOV**	
HL-8CW-IP	850nm	10° - Circular 30° - Elliptical 60° - Elliptical 95° - Elliptical	187m 94m 60m 30m	614' 307' 195' 98'	33m 50m 69m 65m	107' 164' 225' 213'
HL-9CW-IP	940nm	10° - Circular 30° - Elliptical 60° - Elliptical 95° - Elliptical	115m 65m 40m 20m	376' 213' 131' 66'	20m 35m 46m 44m	66' 114' 152' 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)
USA	cULus	UL 2108
		UL 8750
	FCC	Class B
AUS	RCM (AS/NZS CISPR 22 Class B)	