Clarius®

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.

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

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
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

OSRAM

LEDs Included

Supported VMS Software
AXIS
Milestone
Genetic
Mirasys
Wavestore
Network Optic
Bosch
SeeTec
Concept Pro HD-IP
Embsec
QNAP
Griffid
Kentima
Qulu
M2M VX Core
Hikvision
Control by Web
Wisenet WAVE
DW Spectrum

Supported cameras for direct control
AXIS
LILIN
Hikvision
Dahua
Mobotix
Sony
Ernitec
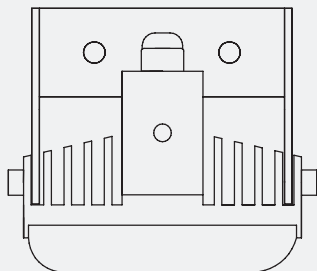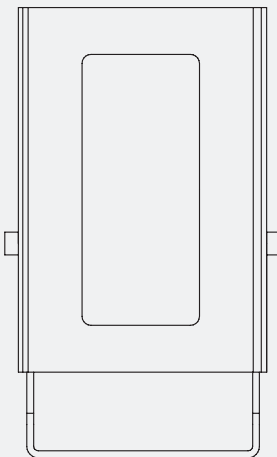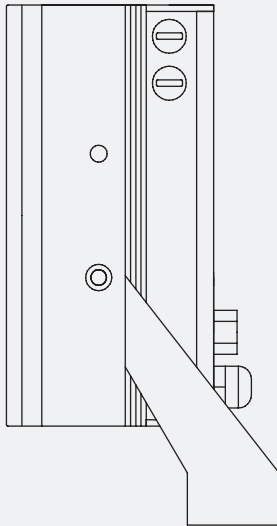Bosch
Genie

Supported Home Automation Software
Control 4
RTI
Crestron
Lutron
URC
Rako

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)

TECHNICAL SPECIFICATIONS

GENERAL

Electronics High efficiency surface mount high power Dual Core® LED's with advanced current limited integral control circuitry
Construction Robust high-quality aluminium extrusion
Finish Black anodised
Front Window Polycarbonate high transmission with CleanLITE® technology
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
Photocell Software adjustable
Illumination Software ddjustable 10% - 100% with pulse modes
Vibration/Knock sensor
Pressure Equalisation Vent Prevents thermal expansion & pressure cycling
Consumption 25W
Input PoE+, IEEE802at Compliant, TCP/IP
Power Cable 1m with IP68 connector
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.

CERTIFICATIONS
Environmental
IEC/EN 60529 IP66
IEC/EN 62262 IK09
EN 50130-5 (Alarm-environmental)

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)

USA
FCC, Class B

AUS
RCM (AS/NZS CISPR 22 Class B)

WEEE
Waste Electrical & Electronic Equipment European Directive 202/96/EC

RoHS
Restriction Of Hazardous Substance European Directive 202/95/EC

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