Clarius®

Medium PoE IR LED Illuminator

The **Clarius® Plus** range of high performance Infra-Red LED illuminators are designed to provide class leading performance, long life and ultra low maintenance.

Incorporating the latest surface mount **Dual Core®** 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°, 60°, and 95° elliptical beam profiles.

PRODUCT CODES

IM-8-P Medium Clarius PLUS PoE Infra-Red Illuminator 850nm
IM-9-P Medium Clarius PLUS PoE Infra-Red Illuminator 940nm

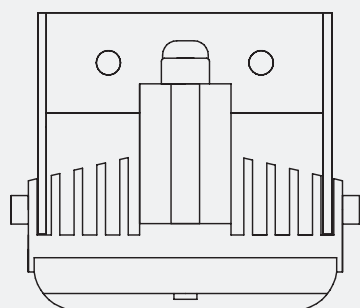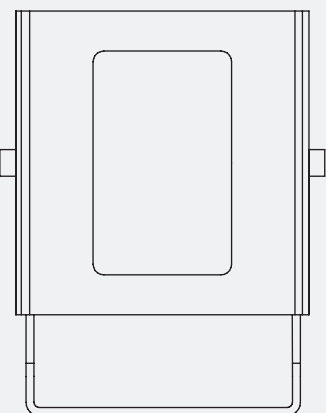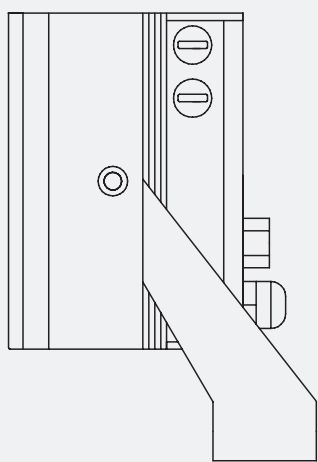| FEATURES |
| --- |
| IR illuminator designed to provide dedicated lighting for IP cameras via PoE+ (power over ethernet) |
| IEEE02at compliant (PoE+) |
| Latest **Dual Core®** SMT LED technology |
| Elliptical beam profiles |
| Distances up to 187m (614') |
| Angle 10°, 30°, 60° & 95° |
| 850nm or 940nm wavelengths |
| 5 year warranty |
| IP66 weather proof rating |
| Built-in photocell IR on/off |
| Photocell following contact |
| Telemetry input for remote switching |
| Enable network infrastructure technology |
| **CleanLITE®** self cleaning lens coating technology |
| High quality anodised aluminium heatsink |

INTERCHANGEABLE DIFFUSER LENS

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

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 — Black Anodised

Power Cable — 3m (9ft) with waterproof RJ45 connector

Interface Connector — Photocell Following Contact & Remote Telemetry Input

Pressure Equalisation Vent — Prevents Thermal Expansion & Pressure Cycling

Photocell — Adjustable 20 -70 Lux

Illumination — Adjustable 10% - 100%

Operating Temperature — -50° to 50°C (-58° to 122°F)

Weight — 1.05Kg (2.3lbs)

Mount — Powder Coated Stainless Steel Wall Mount

Dimensions — 111 x 110 x 78mm (4.49" x 4.33" x 3.07")

ELECTRICAL

High Power over Ethernet — IEEE802at Compliant (PoE+)

Consumption — 26W

WAVELENGTH

Standard — 850nm (Semi Covert). Faint Red Glow Only

Optional — 940nm (Covert). Minimal Visible Glow

CERTIFICATION

Safety — EN60598:2004   Electrical Safety
EN60825-1   Laser Eye Safety

IP — IP66 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