Clarius®

Medium LT IR LED Illuminator

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

Incorporating the latest **Dual Core** surface mount LEDs 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.

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

PRODUCT CODES

IM-830-LT 30° Medium Clarius LT Infra-Red Illuminator
IM-890-LT 90° Medium Clarius LT Infra-Red Illuminator

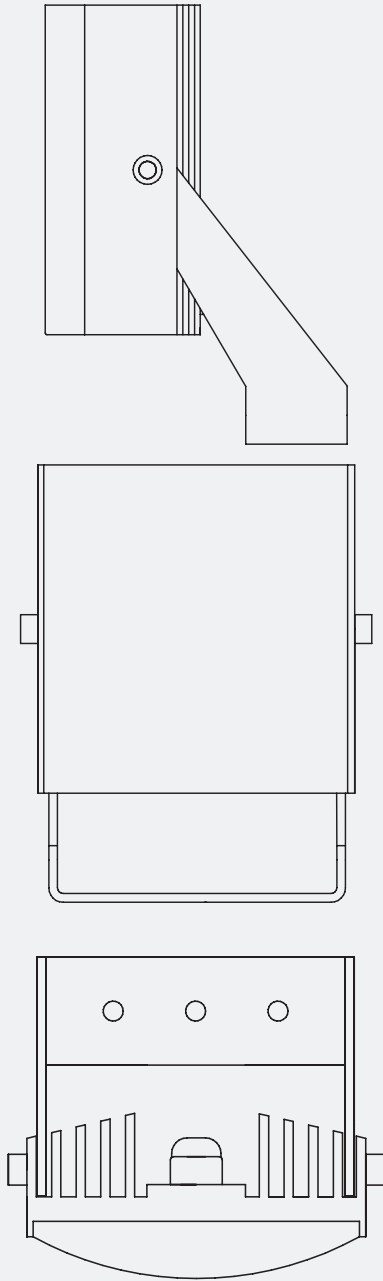| FEATURES |
| --- |
| Latest SMT **Dual Core®** LED technology |
| Distances up to 45m |
| 850nm wavelength |
| Low power consumption (20W) |
| Long life |
| 3 year warranty |
| IP67 weather proof rating |
| Integrated photocell |
| 12-32V DC +/- 10% |
| **CleanLITE®** self cleaning lens coating technology |
| Easy installation |
| High quality anodised aluminium heatsink |

RECOMMENDED PSU

Model: ALT-30-24
Output: 24 VDC / 1.25A Max
Input: 100-250 V AC / 0.45A
50/60Hz
Ratings: IP67
Dimensions: 200 x 20 x 29mm

MODEL NUMBER	WAVELENGTH	ANGLE	DISTANCE		FOV	
IM-830-LT	850nm	30°	45m	148'	24m	79'
IM-890-LT	850nm	90°	25m	82'	50m	164'

Other angles available on request.

TECHNICAL SPECIFICATIONS

GENERAL

Electronics	High Efficiency Surface Mount **Dual Core** Power LEDs With Advanced Current Limited Integral Control Circuitry
Construction	Robust High Quality Aluminium Extrusion
Front Window	Polycarbonate High Transmission Vandal Proof IR Filter with **CleanLITE**® Technology
Finish	Black Anodised
Power Cable	3m (9ft)
Photocell	Preset 50 Lux
Operating Temperature	-50° to 50°C (-58° to 122°F)
Weight	1.05Kg (2.3lbs)
Mount	Powder Coated Stainless Steel Wall Mount
Dimensions	114 x 110 x 54mm (4.49" x 4.33" x 3.07")

ELECTRICAL

Input Voltage	12-32V DC +/- 10%
Input Current	0.8A at 24V DC
Consumption	20W

WAVELENGTH

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

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	

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