

Key Features

- Versatile short range illuminator
- Hi-Impact Polycarbonate Dome
- All weather design
- Meets NEMA 4X standards
- 42 High Performance LEDs (840nm/940nm)
- Easy Installation
- Full rotational XYZ gimbal
- Allows for 24/7 day and night usable video capture (When combined with a good IR sensitive camera)
- Control pot "dimmer"

Product Description

The EX46LED Infrared Illuminator is a versatile short-range illuminator (up to 40 feet / 12 m, with 850 nm LED, clear dome) that easily installs onto ceilings, walls and standard electrical boxes. It is ideal for infrared enhancement of dark areas in restaurants, nightclubs, warehouses and wherever video surveillance requires nighttime performance enhancement under covert or semi-covert conditions.

Like the EX46 Hi-Impact Dome, the enclosure is hammer tough and weather tight. Its exterior is a thick anodized CNC machined aluminum base, an impact resistant polycarbonate dome, and an anodized retaining ring that locks the dome in place while providing continuous rigidity against impact forces. Inside, 42 high-performance LEDs mounted to a heat-sinking double-gimbal can be easily adjusted to point in the desired direction.

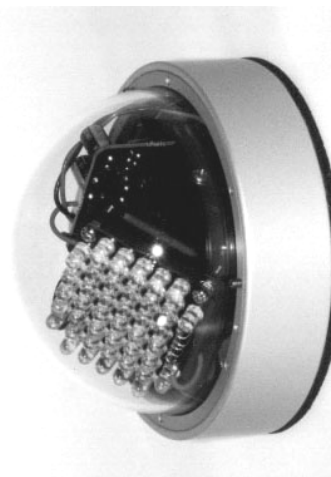
The EX46 is designed to mount over a single gang box to provide a flush appearance while leaving room inside the electrical box for connectors. The impact resistant dome can also be surface installed in minutes to all interior and exterior walls and ceilings.

A gimbal device allows full rotation of the LED head for positioning in any direction while also acting as a heat sink to transfer heat to the solid aluminum base.

A&E

- Available on request
Contact: sales@ExtremeCCTV.com

Product Image



The EX46LED (above) can be installed as a covert infrared illuminator to enhance the night-time performance of a matching EX46 surveillance camera. Installation is simple "plug-n-play" and adjusting the direction of the LED illuminator is universal. The rugged yet elegant design is versatile for indoor and outdoor installations in vandal prone locations. It can also fit over a single gang electrical box for home automation projects.

Applications

- Schools / Prisons
- Access Control
- Home Automation
- Nightclubs
- Public Buildings
- Industrial Buildings
- Indoor / Outdoor

Certifications / Compliance

CSA-NRTL: LR 113310

Class: 2226 02/82 Commercial Video Equipment

Safety: OSHA / ANSI / UL / CSA
CSA Std. C22.2 - Various Sections
UL 50 - Enclosures for Electrical Equipment
UL 2044 - Commercial CCTV Equipment

Environmental: CSA / NEMA Type 4X

Proprietary: Patent Pending – U.S.P.T.O.

Specifications are subject to change without notice

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EX46LED_v14 040306

Dealer/Distributor



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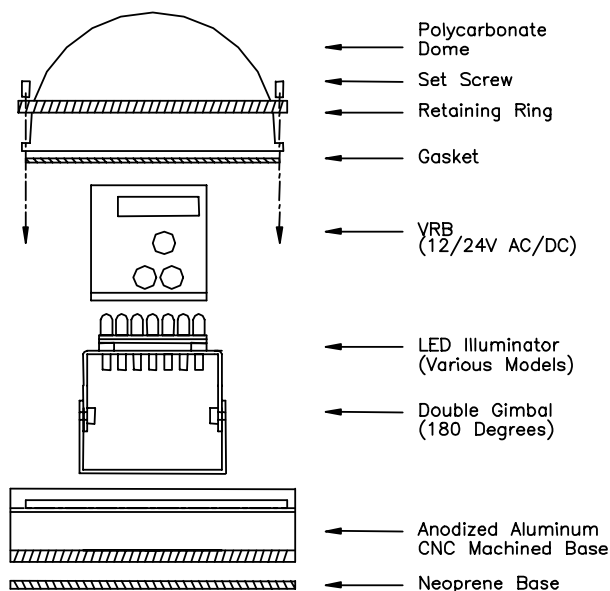
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Technical Drawings



Specifications

(Other Special Order Models available on request)

EX46LED – (Similar for EX47LED & EX48LED)

LED Type	High Performance 850nm / 940nm
LED Beam Angles	60 deg. (W), 30 deg (M)
Number of LEDs	42
Dimmer Control	Adjustable IR Intensity Adjustable photocell IR on/off
Operational Range	-50°C to +60°C (-58°F to 140°F)
Power Supply	12 VDC or 24 VAC
Power Draw	6W, 500 mA (Max.) @ 12 VDC
Construction	Polycarbonate Dome CNC Aluminium Anodized Base (6061 T6)
Dimensions	4.6" (118mm) dia. / 3.68" (93.5mm) H
Weight	1.0 lbs (454g)

Note: All -50°C (and below) temperatures require special cold-crack cabling.

Part Numbers

(Other Special Order Models available on request)

EX46LED.850W	850 nm, 60°, Wide Beam
EX46LED.850M	850 nm, 30°, Medium Beam
EX46LED.940W	940 nm, 60°, Wide Beam
EX46LED.940M	940 nm, 30°, Medium Beam
Base Metal Color:	a = anodised aluminum (standard) b = anodised black
Dome Tint:	c = clear (standard) h = half-tint

Performance Notes

1. Use good infrared sensitive cameras for better results.
2. 850nm models emit a slight red visible glow.
3. 940nm models are not visible, but require best I.R. sensitive cameras.
4. 40-50% less distance achieved with 940 nm, compared to 850 nm.
5. 40-50% less distance achieved with wide angle.

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