EX12LED 3D Diffuser Infrared Illuminators

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BOSCH
Invented for life

- Compact cube illuminator
- 3D Diffuser even-illumination technology
- 850 nm (semi-covert) or 940 nm (covert) models
- Adjustable infrared intensity
- 30 m identification range

The EX12LED is a versatile and economical infrared illuminator that provides covert lighting for short-range indoor and outdoor security and surveillance applications. At a fraction the power of a standard light-bulb, the EX12LED enables standard day/night CCTV systems to deliver high-contrast images in complete darkness. The EX12LED uses 3D Diffuser illumination technology to deliver unrivaled illumination consistency across the field of view.
This low-voltage illuminator can be safely and discreetly installed to enhance the night-time performance of both analog and IP CCTV cameras. The EX12LED also enables organizations to save power and reduce light pollution without adversely affecting the performance of the CCTV system.
The EX12LED is ideal for use with IP cameras as a powerful and low-cost tool to offset the bandwidth challenges that affect IP systems at night. When video analytics is employed, the EX12LED is capable of delivering sufficient light to yield a striking improvement in accuracy and in the reduction of false alarms.

Certifications and approvals

EMC Emissions	FCC Part 15 Class B, EN55022 ClassB
EMC Immunity	EN50130-4 Alarm Systems Part 4
Safety	CSA/UL E60065, CE EN60065
Environmental	NEMA 4X

Region	Certification
Europe	CE

Installation/configuration notes

Application

Hardware included to mount directly to Dinion and Dinion IP.

Technical specifications

Model	EX12LED-3BD-8W	EX12LED-3BD-8M
LED Type	850 nm	850 nm
LED Beam Angles	60° wide	30° medium
Range	15 m (50 ft)	30 m (100 ft)
HFOV	17 m (56 ft)	16 m (53 ft)

Model	EX12LED-3BD-9W	EX12LED-3BD-9M
LED Type	940 nm	940 nm
LED Beam Angles	60° wide	30° medium
Range	7 m (23 ft)	15 m (50 ft)
HFOV	8 m (26 ft)	8 m (26 ft)

IR Control	Adjustable IR intensity
Day/night switch	Photocell, sensitivity adjustable

Electrical

Power Supply	12 - 24 VDC or VAC
Power Draw	9 W

Mechanical

Housing	Aluminum, black
Front Window	Optical acrylic
Mount	1/4-inch-20 thread at bottom and rear
U-Bracket	Standard with 1/4-inch-20 bolt included
Dimension (WxDxH)	74 x 70 x 70 mm (2.9 x 2.8 x 2.8 in)
Weight	454 g (1.0 lbs)

Environmental

Operation Temperature Range	-50 °C to +60 °C (-58 °F to +140 °F)

Ordering information

EX12LED-3BD-8M Infrared Illuminator
EX12LED IR Illuminator, 850 nm, 30 deg beam
Order number **EX12LED-3BD-8M**

EX12LED-3BD-8W Infrared Illuminator
EX12LED, IR Illuminator, 850 nm, 60 deg beam
Order number **EX12LED-3BD-8W**

EX12LED-3BD-9M Infrared Illuminator
EX12LED IR Illuminator, 940 nm, 30 deg beam
Order number **EX12LED-3BD-9M**

EX12LED-3BD-9W Infrared Illuminator
EX12LED, IR Illuminator, 940 nm, 60 deg beam
Order number **EX12LED-3BD-9W**

Accessories

UPA-2420-50 Power Supply
220 VAC, 50 Hz, 24 VAC, 20 VA Out
Order number **UPA-2420-50**

UPA-2430-60 Power Supply
120 VAC, 60 Hz, 24 VAC, 30 VA Out
Order number **UPA-2430-60**

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1742306059 | en, V3, 04. Oct 2013