


**BOSCH**

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# EX46LED Vandal-resistant Dome Illuminators



- ▶ **High-impact, vandal-resistant dome for short-range IR illumination**
- ▶ **42 high-performance IR LEDs at 840 nm or 940 nm**
- ▶ **Fully rotational pan-tilt-twist gimbals for ease of installation**
- ▶ **Weather-sealed for performance in -50°C to +60°C (-58°F to +140°F)**
- ▶ **Conduit compatible for easy installation**

These vandal-resistant domes are designed to provide award-winning infrared illumination from a housing resistant to even the most brutal attacks. Delivering up to 12 meters (40 feet) of illumination, each dome installs quickly and easily onto ceilings and walls with conduit compatibility.

Each dome contains high-performance LEDs mounted to a heat-sinking double-gimbal that can be easily adjusted to point in the desired direction. An adjustable photocell ensures accurate on/off switching. The infrared is also intensity-adjustable so that the optimal level of illumination can be selected. The IR domes are ideal for infrared enhancement of dark areas in restaurants, nightclubs, warehouses and wherever video surveillance requires night-time performance under covert or semi-covert conditions.

The domes base is constructed of CNC-milled anodized aluminum, an incredibly durable material with high corrosion resistance and heat-resistant to over 1,200 °F. Anodized aluminum has excellent chemical stability and resists changes to color or appearance, even under heavy exposure to ultraviolet rays. The one-piece CNC fabrication process ensures the highest degree of precision and high mechanical strength. Every enclosure is hammer-tough and weather-tight.

All EX46LED domes are specified for performance in temperatures ranging from -50 °C to +60 °C (-58 °F to +140 °F).

## Functions

### Applications

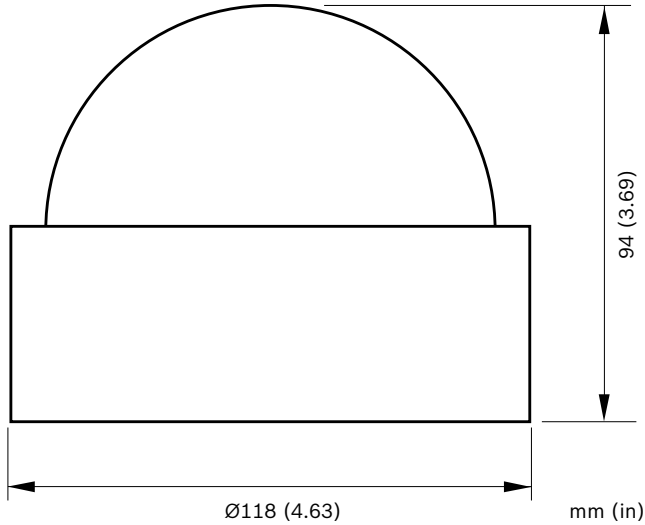
- Night-time surveillance
- Commercial sites
- Hotels and casinos
- Transportation hubs
- Restaurants / bars
- Industrial parks
- Banks
- Prisons and correctional facilities
- Schools, colleges and universities
- Vandal-prone locations

## Certifications and Approvals

CSA Type 4X	Outdoor Weather Rating
CSA C22.2 No 0-M1991	General Elec. Rqmts., Part II
CSA C22.2 No 1-M94	Audio, Video, and Similar Equip.
CSA C22.2 No 94-M91	Special Purpose Enclosures
UL Std No 50	Enclosures for Elec Equip.
UL Std No 2044	Commercial CCTV Equip.

**Installation/Configuration Notes**

**Dimensions**



**Technical Specifications**

LED Type	850 nm or 940 nm
LED Beam Angles	30° medium or 60° wide
IR Control	Adjustable IR intensity
Photocell	Adjustable On/Off triggering
<b>Electrical</b>	
Power Supply	12 - 24 VAC (50/60 Hz) 12 - 24 VDC
Power Draw	6 W max.
Power Protection	VRB included
<b>Mechanical</b>	
Gimbal	Pan-Tilt-Twist for easy installation
Dome Construction	Polycarbonate dome, 3 mm (1/8 in) thick
Base Construction	CNC Anodized Aluminum
Weight	610 g (1.3 lbs)
Overall Dimension	118 mm (4.6 in) Diameter / 93 mm(3.7 in) H
<b>Environmental</b>	
Operation Range	-50 °C to +60 °C (-58 °F to +140 °F)

**Ordering Information**

<b>EX46LED8MBC Vandel-resistant Dome IR Illuminator</b> LED IR illuminator, 850 nm, 30° medium beam, anodized black, clear dome	<b>EX46LED8MBC</b>
<b>EX46LED8WBC Vandel-resistant Dome IR Illuminator</b> LED IR illuminator, 850 nm, 60° wide beam, anodized black, clear dome	<b>EX46LED8WBC</b>
<b>EX46LED9MBC Vandel-resistant Dome IR Illuminator</b> LED IR illuminator, 940 nm, 30° medium beam, anodized black, clear dome	<b>EX46LED9MBC</b>
<b>EX46LED9WBC Vandel-resistant Dome IR Illuminator</b> LED IR illuminator, 940 nm, 60° wide beam, anodized black, clear dome	<b>EX46LED9WBC</b>
<b>EX46LED8MAC Vandel-resistant Dome IR Illuminator</b> LED IR illuminator, 850 nm, 30° medium beam, brushed aluminum, clear dome	<b>EX46LED8MAC</b>
<b>EX46LED8WAC Vandel-resistant Dome IR Illuminator</b> LED IR illuminator, 850 nm, 60° wide beam, brushed aluminum, clear dome	<b>EX46LED8WAC</b>
<b>EX46LED9MAC Vandel-resistant Dome IR Illuminator</b> LED IR illuminator, 940 nm, 30° medium beam, brushed aluminum, clear dome	<b>EX46LED9MAC</b>
<b>EX46LED9WAC Vandel-resistant Dome IR Illuminator</b> LED IR illuminator, 940 nm, 60° wide beam, brushed aluminum, clear dome	<b>EX46LED9WAC</b>
<b>Accessories</b>	
<b>EXMB.045B Dome Pendant Bracket</b> Dome Pendant Bracket, black	<b>EXMB.045B</b>
<b>EXMB.045S Dome Pendant Bracket</b> Dome Pendant Bracket, clear aluminum	<b>EXMB.045S</b>
<b>UPA-2430-60 Power Supply</b> 120VAC, 60Hz, 24VAC, 30VA Out	<b>UPA-2430-60</b>
<b>UPA-2420-50 Power Supply</b> 220VAC, 50Hz, 24VAC, 20VA Out	<b>UPA-2420-50</b>

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