

## IIR-50940-LR Illuminator, 940nm, long range



- ▶ Adjustable IR intensity
- ▶ Integrated adjustable photocell
- ▶ Interchangeable beam pattern diffusers to match beam to camera
- ▶ Self-cleaning lens coating technology
- ▶ Telemetry input and photocell output for external switching

### Regulatory information

Region	Regulatory compliance/quality marks
Europe	CE
USA	UL
Great Britain	UKCA

### Installation/configuration notes

Use only one of these three Power supply units with this product:

- PSU-IIR-35
- PSU-IIR-60
- PSU-IIR-100

### Parts included

Quantity	Component
1	IR illuminator with bracket
5	Beam pattern diffusers
1	Installation Guide

### Technical specifications

Power	
Power supply	12 to 32 VDC

Power	
Power consumption	39 W
Optical	
Wavelength	940 nm
IR control	Adjustable IR intensity (10% to 100%)
Day/night switch	Photocell, sensitivity adjustable (20 lx to 70 lx)
Beam angles	10°, 30°, 60°, and 95°

Range 940 nm		
Beam pattern diffuser	Achievable Distance*	HFOV
10°	165 m (540 ft)	29 m (95 ft)
30°	79 m (260 ft)	42 m (139 ft)
60°	49 m (160 ft)	56 m (185 ft)
95°	24 m (80 ft)	53 m (175 ft)

\* Actual illumination distance achieved is dependent on camera and lens characteristics.

Mechanical	
Housing	Robust anodized aluminum extrusion, black
Front window	Polycarbonate high transmittance (vandal-resistant) with self-cleaning technology

Mechanical	
Mount	Black powder coated stainless steel U-bracket (adjustable with M6 socket-head wrench)
Cable	3 m (9 ft)
Dimensions (W x H x D)	110 x 161.5 x 75 mm (4.33 x 6.36 x 2.95 in)
Bracket dimensions (W x H x D)	110 x 125 x 35 mm (4.33 x 4.92 x 1.38 in)
Weight	1.4 kg (3.1 lbs)
Bracket weight	0.2 kg (0.44 lbs)

Environmental	
Operation Temperature Range	-50 °C to +50 °C (-58 °F to +122 °F)
Protection	IP66

## Ordering information

### IIR-50940-LR Illuminator, 940nm, long range

Long range IR illuminator  
940 nm  
Order number **IIR-50940-LR**

## Accessories

**IIR-MNT-SLB Bracket for illuminator, single L, black**  
Illuminator single L-bracket, black  
Order number **IIR-MNT-SLB**

**IIR-MNT-DLB Bracket for illuminator, double L, black**  
Illuminator double L-bracket, black  
Order number **IIR-MNT-DLB**

**IIR-MNT-TLB Bracket for illuminator, triple L, black**  
Illuminator triple L-bracket, black  
Order number **IIR-MNT-TLB**

**IIR-MNT-PMB Bracket for illuminator, pole mount**  
Illuminator pole mount bracket, black  
Order number **IIR-MNT-PMB**

**PSU-IIR-35 Power supply, 100-240VAC/24VDC, 1.46A**  
Constant Voltage, 24 VDC, 35W power supply designed for LED lighting applications. 100-240VAC in, 1.46A out. Aluminum case rated IP67.  
Order number **PSU-IIR-35**

**PSU-IIR-60 Power supply, 100-240VAC/24VDC, 2.5A**  
Constant Voltage, 24 VDC, 60W power supply designed for LED lighting applications. 100-240VAC in, 2.5A out. Aluminum case rated IP67.  
Order number **PSU-IIR-60**

## Represented by:

**Europe, Middle East, Africa:**  
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[www.boschsecurity.com](http://www.boschsecurity.com)

**PSU-IIR-100 Power supply, 100-240VAC/24VDC, 4.17A**  
Constant Voltage 24 VDC, 100W power supply designed for LED lighting applications. 100-240VAC in, 4.17A out. Aluminum case rated IP67.  
Order number **PSU-IIR-100**

## Services

**EWE-IIR940-IW 12 mths wrty ext IR Illuminator 940 nm**  
12 months warranty extension  
Order number **EWE-IIR940-IW**