


BOSCH

Invented for life

UFLED Active-Infrared Night Vision Performance Bundle



- ▶ "Just Add Camera" design; compact, sleek and attractive
- ▶ UFLED delivers for 200 m (650 ft) infrared illumination
- ▶ All-weather housing with integrated heater and blower
- ▶ Easy-access flip-top camera housing and wall bracketry
- ▶ Enables outstanding night vision for IR-sensitive cameras

The UFLED Active-Infrared Night Vision Performance Bundle is a turnkey *Just-Add-Camera-and-Lens* solution that incorporates our industry-leading UFLED infrared illuminator for high performance night vision.

Featuring our high efficiency UFLED IR illuminator, the UFLED Active-Infrared Night Vision Performance Bundle delivers remarkably clear active-IR night vision in total zero lux darkness when combined with IR-sensitive cameras. The UFLED provides 200 m (650 ft) of infrared illumination - nearly the length of two football fields - while consuming less than 40 W. The IP66/NEMA4-compliant UFLED also features photocell-controlled operation and various beam patterns.

The UFLED Active-Infrared Night Vision Performance Bundle incorporates an all-weather camera housing with easy-access flip top and quick clip camera tray for fast camera and lens adjustments. An integrated heater and blower ensure effective operation in extreme weather conditions.

The UFLED Active-Infrared Night Vision Performance Bundle is an easy, effective solution for outstanding 24/7 night vision performance. Wall-mount bracket and fastening hardware is included. Completely low-voltage, the UFLED Active-Infrared Night Vision Performance Bundle is a versatile solution that enables IR-sensitive box cameras to achieve outstanding night vision performance. A beautiful jet black finish makes the system aesthetically uniform.

Functions

The UFLED Active-Infrared Night Vision Performance Bundle is a turnkey solution that provides outstanding infrared illumination for high-performance box cameras. It is suitable for indoor or outdoor applications, including extreme weather environments.

Applications

- Critical infrastructure
- Force protection
- Fencelines
- Industrial sites
- Seaport and airport surveillance
- Defense sites
- Power stations
- Perimeter surveillance

Parts Included

All components are packaged in a single box, helping to ensure a fast, easy installation.

- single UFLED, 850 nm, (10°, 20°, 30°, 60°, 95° or 120°)
- single UFLED dedicated 24 V input power supply
- EX18 all-weather housing
- wall mount brackets
- fastening hardware

(Camera and lens not included.)

Technical Specifications

Model	EXPB003-UFBD-8-10	EXPB003-UFBD-8-20	EXPB003-UFBD-8-30
Input Voltage	24 VAC/VDC	24 VAC/VDC	24 VAC/VDC
Beam Angle	10°	20°	30°
Wavelength	850 nm	850 nm	850 nm
IR Distance	200 m (720 ft)	150 m (490 ft)	110 m (360 ft)
IR H-FOV	40 m (125 ft)	55 m (175 ft)	60 m (195 ft)
Model	EXPB003-UFBD-8-60	EXPB003-UFBD-8-95	EXPB003-UFBD-8-120
Input Voltage	24 VAC/VDC	24 VAC/VDC	24 VAC/VDC
Beam Angle	60°	95°	120°
Wavelength	850 nm	850 nm	850 nm
IR Distance	70 m (230 ft)	50 m (165 ft)	35 m (115 ft)
IR H-FOV	80 m (265 ft)	110 m (360 ft)	120 m (400 ft)

UFLED Infrared Illuminator

LED Array	252 high efficiency LEDs
Available Wavelengths	850 nm
Operational Temperature Range	-50 °C to +50 °C (-58 °F to +122 °F)
Cabling	Supplied with 4 m (13 ft) lead
Color	Black
Construction	Robust aluminum casting / extrusion
Weight	1.4 kg (3.1 lb)
Dimension	146 x 152 x 127 mm (LxWxH) 5.7 x 6.0 x 5 in (LxWxH)
Environmental	IP66 / NEMA 4
Bracket	U-bracket for top or bottom mount

UFLED Dedicated Power Supply

Mains Supply	24 VAC or VDC, 50/60 Hz, 1.8 A
Output	25 to 36 W
Photocell	Dusk/dawn automatic switching, sensitivity adjustable
Remote Control	Volt-free contact provided (switch or relay required)
Construction	Polycarbonate IP66 / NEMA 4 enclosure
Weight	1.62 kg (3.6 lb)
Dimension	160 x 120 x 90 mm (LxWxH) 6.3 x 4.7 x 3.5 in (LxWxH)
Operating Temperature Range	-30 °C to +50 °C (-22 °F to +122 °F)

EX18 All-Weather Housing

Construction	Aluminum
Environmental	Weather sealed for indoor/outdoor applications
Color	Black
Sunhood	Included
Heater	Included
Blower	Included
Temperature Control (Heater)	On: 15 °C; Off: 25 °C
Input Voltage	24 VAC
Internal Dimensions	230 x 80 x 80 mm (LxWxH) 9.0 x 3.1 x 3.1 in (LxWxH) (maximum utilizable space)
External Dimensions	400 x 140 x 112 mm (LxWxH) 15.7 x 5.5 x 4.8 in (LxWxH)
Weight	1.2 kg (2.6 lb)
Camera Tray	Quick clipping system

Brackets

Wall Mount Bracket	Included for both camera assembly and power supply. Fastening hardware included.
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Ordering Information

EXPB003-UFBD-8-10 Active-Infrared Night Vision Performance Bundle Bundle: contains UFLED10-8BD, Camera Housing, Bracket and accessories	EXPB003-UFBD-8-10
EXPB003-UFBD-8-20 Active-Infrared Night Vision Performance Bundle Bundle: contains UFLED20-8BD, Camera Housing, Bracket and accessories	EXPB003-UFBD-8-20
EXPB003-UFBD-8-30 Active-Infrared Night Vision Performance Bundle Bundle: contains UFLED30-8BD, Camera Housing, Bracket and accessories	EXPB003-UFBD-8-30
EXPB003-UFBD-8-60 Active-Infrared Night Vision Performance Bundle Bundle: contains UFLED60-8BD, Camera Housing, Bracket and accessories	EXPB003-UFBD-8-60
EXPB003-UFBD-8-95 Active-Infrared Night Vision Performance Bundle Bundle: contains UFLED95-8BD, Camera Housing, Bracket and accessories	EXPB003-UFBD-8-95
EXPB003-UFBD-8-120 Active-Infrared Night Vision Performance Bundle Bundle: contains UFLED120-8BD, Camera Housing, Bracket and accessories	EXPB003-UFBD-8-120

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