


**BOSCH**

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# ISM-BLA1-LM Blue Line Nightlight Module



- ▶ **Modular construction fits all Blue Line detectors**
- ▶ **High quality, affordable, and easy to install**
- ▶ **Exterior switches control light duration (short or long) and on or off**
- ▶ **Two installer-selectable brightness levels**
- ▶ **Aesthetic design**

The Blue Line ISM-BLA1-LM Nightlight Module attaches to the Blue Line detectors. When the detector senses a presence, the module's LEDs light and provide illumination up to the equivalent of bright moonlight (0.1 cd at 30 cm [1 ft] from the detector).

## Functions

### Unique Interface

The Blue Line Nightlight Module mounts on top of and is wired to a Blue Line detector. This unique interface between module and detector makes installation fast, easy, and inexpensive. Once the detector is mounted and wired to the control panel, you simply add the module with no additional wiring needed.

### Basic Operation

The nightlight module has a photo-sensor and four LEDs under a diffusing lens. It mounts on, draws its power from, and is controlled by any Blue Line detector. Once installed and set, if the detector senses motion and the photo-sensor does not detect light, the LEDs light.

### Settings

#### Brightness

The brightness level can be set for low or high by positioning a jumper during module installation.

#### Duration

The length of time the LEDs remain lit is set with an external switch on the side of the module. Short duration is approximately 20 sec to 30 sec; while long duration is approximately 2 min to 4 min.

#### On-Off

Use the external On or Off switch on the side of the module to determine if the LEDs light when motion is detected.

#### Field Testing

The module comes with a piece of black plastic for covering the photo-sensor for field testing the module.

**Certifications and Approvals**

Region	Certification	
Europe	CE	89/336/EEC, EN50130-4: 1996 +A1: 1998 +A2: 2003, EN61000-4-2: 1995 +A1: 1998 +A2: 2001, EN61000-4-3: 2002 +A1: 2002 +A2: 2005, EN61000-4-4: 1995 +A1: 2000 +A2: 2001, EN61000-4-5: 1995 +A1: 2001, EN61000-4-6: 1996 +A1: 2001 +A2: 2001 +A3: 2005, EN61000-4-11:1994 +A1: 2001
Russia	GOST	GOST 12997-84, GOST R 50009-2000, GOST R 51317.3.2-99, GOST R 51317.3.3-99, GOST R MEK 60065-2002
USA	UL	ANSR: Intrusion Detection Units (UL639), ANSR7: Intrusion Detection Units Certified for Canada (cULus)
Belgium	INCERT	B-509-0009/a

**Installation/Configuration Notes**

**Compatibility Information**

The BLA1-LM Nightlight Module is compatible with the following products:

Detectors	BLD1	Blue Line TriTech® Detectors
	BLD1-P	Blue Line Pet Friendly® TriTech® Detectors
	BLP1	Blue Line PIR Detector
	BLP1-P	Blue Line Pet Friendly® PIR Detector
	BLQ1	Blue Line quad PIR Detector

**Mounting Considerations**

The nightlight module mounts on top of a Blue Line detector by removing the detector from its mounting base, installing the module on the detector base, and reattaching the detector and the module lens. Ensure there is enough space above the detector for the nightlight module.

**Wiring Considerations**

The three module wires attach to the terminal block of the Blue Line detector.

**Parts Included**

Quant.	Component
1	Nightlight module
1	Test filter
1	Literature pack

**Technical Specifications**

**Environmental Considerations**

Complies with EN50131 Environmental Class II, Security Grade 2

Relative Humidity: Up to 95% non-condensing  
Up to 85% for UL installations

Temperature (operating): -10°C to +49°C (+14°F to +120°F)  
For UL Listed product installations, 0°C to +49°C (+32°F to +120°F)

**Mechanical Properties**

Color: White

Dimensions: 2.5 cm x 6.4 cm x 3.2 cm  
(1.0 in. X 2.5 in. X 1.25 in.)

Material: High-impact ABS plastic

**Output**

Light Intensity: 0.1 cd at 30 cm (1 ft)

**Power Requirements**

Current Draw (LEDs lit): Brightness level set low: 40 mA  
Brightness level set high: 75 mA

Standby Power: No internal standby battery. *Standby power must be provided by the control unit or by a UL Listed burglary power supply.*

**Ordering Information**

**ISM-BLA1-LM Blue Line Nightlight Module**      **ISM-BLA1-LM**  
Fits all Blue Line detectors

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