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# Aegis SuperLED Illuminator

- **Patent-pending Constant Light technology ensures consistent illumination**
- **3D Diffuser technology (Black Diamond) delivers even illumination designed specifically for CCTV**
- **Enables the optimum nighttime performance of analogue and megapixel cameras, IP platforms, and video analytics**
- **Reduced power consumption for a greener, more environmentally friendly solution with lower operating costs**

Aegis illuminators feature Constant Light technology which autmatically controls and adjusts light output to compensate for LED degradation and temperature changes. LED degradation results in poor light output, reduced image quality, and reduced illumination range. The Constant Light patent-pending technology maintains a constant level of light throughout the life of the illuminator, thus overcoming this performance-related issue identified by security consultants, installers, and end users alike.

3D Diffuser technology (Black Diamond) micro-refractive lens technology enables increased surveillance range, wider beam patterns, and evenly illuminated night-time surveillance images. Specifically designed for energy efficient operation, Aegis can be powered directly from any 12 to 24 VDC or 24 VAC supply for faster, flexible, cost effective installations.

## Functions

- 3D diffuser technology eliminates hotspots in the foreground and underexposed backgrounds
- Delivers even illumination designed specifically for CCTV
- Dramatically improves night-time imaging, reducing noise and increasing video signal
- When used with encoding and digital recording systems, even illumination reduces bit rate and so lowers storage requirements

**Controlled by Constant Light Technology**

- Maintains a constant level of lighting performance for the life of the illuminator
- Maintains a constant level of lighting performance when operated at varying ambient temperatures

**Installer friendly installation features**

- Low voltage input to the illuminator for safe installation
- Illuminator link port allows one illuminator to switch all others in a master/slave configuration
- Dual-mode camera port allows color/mono control from or to the camera
- Easy connection using dedicated cables

**High Efficiency Surface Mount LEDs**

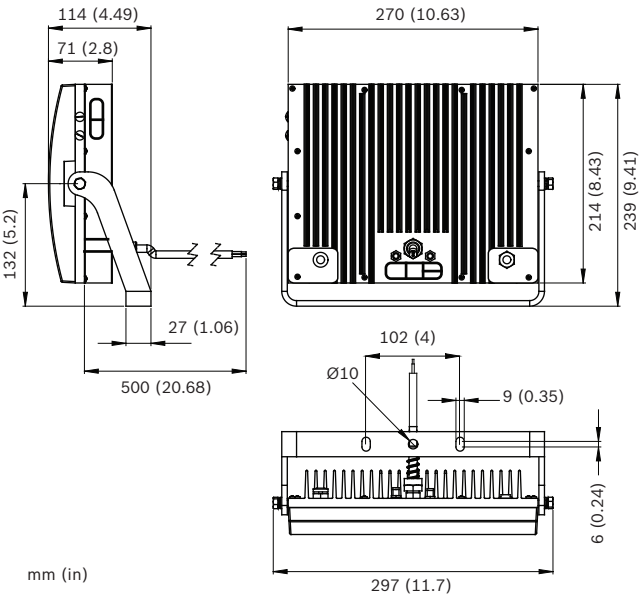
- Industry-leading thermal management and super high-efficient LEDs deliver maximum illumination

## Certifications and Approvals

| Region | Certification | |
|---|---|---|
| Europe | CE | |
| USA | FCC | + UL |

## Installation/Configuration Notes

### Dimensions




## Technical Specifications

| | Aegis SuperLED Infrared |
|---|---|
| Wavelength | 850 nm and 940 nm |
| Color | Black anodized heat sink with black front fascia |
| LEDs | High efficiency surface mounted LED array with current-limited integral power circuit |
| Beam Patterns | 10°, 20°, 30°, 60°, 95°, 120° |
| Consumption | 50–90 W (90 W max power) |
| Input Voltage | 12 to 24 VDC or 24 VAC, 50/60 Hz |
| Temperature Range | –40°C to +50°C (–40°F to 122°F) max. on full power |
| Environmental | IP66 |
| Construction | Robust, aluminum construction with acrylic front fascia |
| Weight | 3.8 kg (8.4 lb) |
| Dimensions | 305 x 240 x 110 mm (11.9 x 9.4 x 4.4 in) |
| Power Cable | 4 m (13 ft) |
| Bracket | Wall mount U-bracket supplied |

**Aegis SuperLED Performance Ranges**

| Model | Wave-length | Beam Patterns | Achievable Distance* | HFOV |
|---|---|---|---|---|
| SLED10-8BD | 850 nm | 10º | 320 m (1050 ft) | 52 m (170 ft) |
| SLED20-8BD | 850 nm | 20º | 200 m (655 ft) | 70 m (230 ft) |
| SLED30-8BD | 850 nm | 30º | 160 m (525 ft) | 85 m (275 ft) |
| SLED60-8BD | 850 nm | 60º | 110 m (360 ft) | 130 m (425f)t |
| SLED95-8BD | 850 nm | 95º | 85 m (275 ft) | 185 m (605 ft) |
| SLED120-8BD | 850 nm | 120º | 55m (180 ft) | 190 m (625 ft) |
| SLED10-9BD | 940 nm | 10º | 190 m (625 ft | 32 m (105 ft) |
| SLED20-9BD | 940 nm | 20º | 120 m (395 ft) | 42 m (135 ft) |
| SLED30-9BD | 940 nm | 30º | 95m (310 ft) | 50 m (165 ft) |
| SLED60-9BD | 940 nm | 60º | 65 m (210 ft) | 75 m (245 ft) |
| SLED95-9BD | 940 nm | 95º | 45 m (145 ft) | 100 m (330 ft) |
| SLED120-9BD | 940 nm | 120º | 30 m (100 ft) | 110 m (360 ft) |

* Actual illumination distance achieved is dependent on camera and lens characteristics. Use a high performance 1/2-inch format camera and IR-corrected lens at F1.4 to achieve a minimum SN ratio of 20dB.

## Ordering Information

| | |
|---|---|
| **SLED10-8BD AEGIS Illuminator**<br>AEGIS Intelligent-IR SLED illuminator, 10°, 850 nm | **SLED10-8BD** |
| **SLED20-8BD AEGIS Illuminator**<br>AEGIS Intelligent-IR SLED illuminator, 20°, 850 nm | **SLED20-8BD** |
| **SLED30-8BD AEGIS Illuminator**<br>AEGIS Intelligent-IR SLED illuminator, 30°, 850 nm | **SLED30-8BD** |
| **SLED60-8BD AEGIS Illuminator**<br>AEGIS Intelligent-IR SLED illuminator, 60°, 850 nm | **SLED60-8BD** |
| **SLED95-8BD AEGIS Illuminator**<br>AEGIS Intelligent-IR SLED illuminator, 95°, 850 nm | **SLED95-8BD** |
| **SLED120-8BD AEGIS Illuminator**<br>AEGIS Intelligent-IR SLED illuminator, 120°, 850 nm | **SLED120-8BD** |
| **SLED10-9BD AEGIS Illuminator**<br>AEGIS Intelligent-IR SLED illuminator, 10°, 940 nm | **SLED10-9BD** |
| **SLED20-9BD AEGIS Illuminator**<br>AEGIS Intelligent-IR SLED illuminator, 20°, 940 nm | **SLED20-9BD** |
| **SLED30-9BD AEGIS Illuminator**<br>AEGIS Intelligent-IR SLED illuminator, 30°, 940 nm | **SLED30-9BD** |
| **SLED60-9BD AEGIS Illuminator**<br>AEGIS Intelligent-IR SLED illuminator, 60°, 940 nm | **SLED60-9BD** |
| **SLED95-9BD AEGIS Illuminator**<br>AEGIS Intelligent-IR SLED illuminator, 95°, 940 nm | **SLED95-9BD** |
| **SLED120-9BD AEGIS Illuminator**<br>AEGIS Intelligent-IR SLED illuminator, 120°, 940 nm | **SLED120-9BD** |

## Ordering Information

**Accessories**

| | |
|---|---|
| **PSU-224-DC100 Universal Power Supply**<br>Universal Power Supply 2x24 VDC | **PSU-224-DC100** |
| **UFLED-CL-1M Link Cable**<br>1 m (3.3 ft) telemetry link cable for Aegis illuminators | **UFLED-CL-1M** |
| **UFLED-CI-5M Switching Cable**<br>5 m (16.4 ft) remote telemetry or day/night switching cable for Aegis illuminators | **UFLED-CI-5M** |

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**Represented by**

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