

# AEGIS SuperLED White Light Illuminator

[www.boschsecurity.com](http://www.boschsecurity.com)



**BOSCH**

Invented for life



- ▶ Constant Light technology ensures consistent illumination
- ▶ 3D diffuser technology delivers the even illumination required by CCTV
- ▶ Enables optimum nighttime color performance
- ▶ Enhances video analytics performance
- ▶ Reduced power consumption for a greener, more environmentally friendly solution with lower operating costs

AEGIS illuminators feature Constant Light technology, which automatically 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 micro-refractive lens technology enables increased surveillance range, wider beam patterns, and evenly illuminated nighttime 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

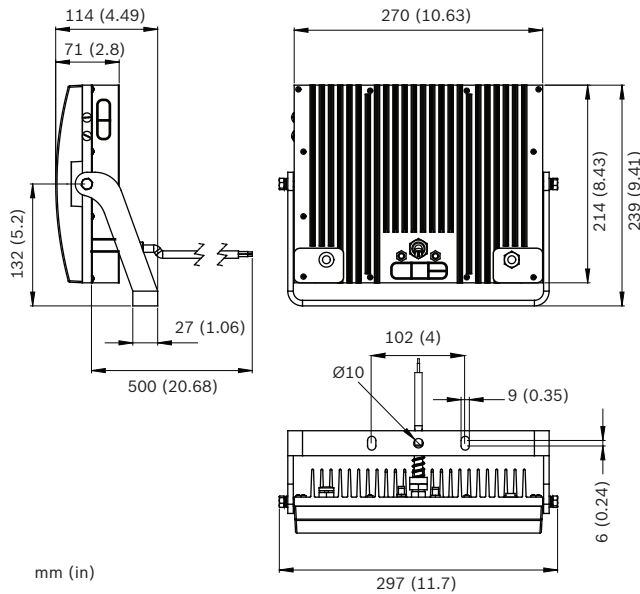
- Low voltage input to the illuminator for safe installation
- Illuminator link port allows one illuminator to switch all others in a master/slave configuration
- Dual-mode camera port allows color/mono control from or to the camera
- Easy connection using dedicated cables

## High Efficiency Surface Mount LEDs

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

## Installation/Configuration Notes

## Dimensions



## Technical Specifications

## AEGIS SuperLED Infrared

|                   |                                                                                       |
|-------------------|---------------------------------------------------------------------------------------|
| Color             | Black anodized heat sink, white front fascia with clear window                        |
| LEDs              | High efficiency surface mounted LED array with current-limited integral power circuit |
| Color temperature | 4200 K                                                                                |
| 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     | IP67                                                                                  |
| 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 White Light Performance Ranges

| Model       | Wavelength  | Beam Patterns | Achievable Distance* | HFOV          |
|-------------|-------------|---------------|----------------------|---------------|
| SLED10-WBD  | White light | 10°           | 85 m (275 ft)        | 15 m (50 ft)  |
| SLED20-WBD  | White light | 20°           | 55 m (180 ft)        | 20 m (65 ft)  |
| SLED30-WBD  | White light | 30°           | 50 m (165 ft)        | 25 m (85 ft)  |
| SLED60-WBD  | White light | 60°           | 35 m (115 ft)        | 40 m (130 ft) |
| SLED95-WBD  | White light | 95°           | 25 m (85 ft)         | 55 m (180 ft) |
| SLED120-WBD | White light | 120°          | 20 m (65 ft)         | 70 m (230 ft) |

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

## Ordering Information

**SuperLED Black Diamond (White-10) EX PSU**

Order number **SLED10-WBD**

**SuperLED Black Diamond (White-20) EX PSU**

Order number **SLED20-WBD**

**SuperLED Black Diamond (White-30) EX PSU**

Order number **SLED30-WBD**

**SuperLED Black Diamond (White-60) EX PSU**

Order number **SLED60-WBD**

**SuperLED Black Diamond (White-95) EX PSU**

Order number **SLED95-WBD**

**SuperLED Black Diamond (White-120) EX PSU**

Order number **SLED120-WBD**

**Accessories****PSU-224-DC100 Universal Power Supply**

Universal Power Supply 2x24 VDC

Order number **PSU-224-DC100**

**UFLED-CL-1M Link Cable**

1 m (3.3 ft) telemetry link cable for Aegis illuminators

Order number **UFLED-CL-1M**

**UFLED-CI-5M Switching Cable**

5 m (16.4 ft) remote telemetry or day/night switching cable for Aegis illuminators

Order number **UFLED-CI-5M**

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