

# LUMIMAX® LED 40 x 40mm Area Light 1325nm



LUMIMAX® SWIR Area Lights

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**General**

101.0075.01.54.20 **Model Number:**

80000 **LED Lifetime (hours):**

LED Illuminator **Type of Illumination:**

**Note:**  
Extension cables and [#66-855](#) required for operation under 'Accessories'.  
Optional intensity controller [#90-833](#) is available

LUMIMAX®

Manufacturer:

Area

Geometry:

Constant

Illumination Mode:

## Physical & Mechanical Properties

55 L x 55 H x 27.5 D

Dimensions (mm):

170

Weight (g):

40 x 40

Active Area (mm):

## Optical Properties

SWIR

Color:

1,325

Wavelength (nm):

## Hardware & Interface Connectivity

M16 12-pin plug (male)

Connector:

19 - 30 VDC

Input Voltage (V):

## Environmental & Durability Factors

5 to 45 non-condensing

Operating Temperature (°C):

IP64

Environmental Rating:

## Regulatory Compliance

[View](#)

Certificate of Conformance:

## Product Details

- SWIR Wavelengths Options from 980 – 1600nm
- Compact 40 x 40mm Form Factor
- IP64 Rated for Dust and Moisture Protection

LUMIMAX® SWIR Area Lights provide powerful short-wave infrared (SWIR) illumination for demanding machine vision and inspection applications. Designed for wavelengths ranging from 980nm to 1600nm, these compact 40 x 40mm LED area lights deliver uniform, high-intensity output optimized for material sorting, semiconductor inspection, and moisture detection. An optional LUMIMAX Control Box (#90-883) simplifies power management and brightness adjustment, ensuring stable and consistent illumination performance. LUMIMAX® SWIR Area Lights feature industrial-grade construction, versatile mounting options, and are can be used as spot, area, or backlight illuminators. These lights are ideal for applications requiring enhanced material contrast beyond the visible spectrum, and they provide reliable illumination for automation, quality control, and research environments.