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LUMIMAX® LED 40 x 40mm Area Light 980nm

LUMIMAX® SWIR Area Lights

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General

Model Number:
101.0075.01.50.20

LED Lifetime (hours):
80000

Type of Illumination:
LED Illuminator

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

Manufacturer:
LUMIMAX®

Geometry:
Area

Illumination Mode:
Constant

Physical & Mechanical Properties

Dimensions (mm):
55 L x 55 H x 27.5 D

Weight (g):
170

Active Area (mm):
40 x 40

Optical Properties

Color:
SWIR

Wavelength (nm):
980

Hardware & Interface Connectivity

Connector:
M16 12-pin plug (male)

Input Voltage (V):
19 - 30 VDC

Environmental & Durability Factors

Operating Temperature (°C):
5 to 45 non-condensing

Environmental Rating:
IP64

Regulatory Compliance

Certificate of Conformance:
View

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.

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