

LED line light, coaxial, 300 mm length, near focusing, fan cooling, white, 6200 K



SPECIFICATIONS

Lighting specifications

| | | |
|------------------------------|--------|---------------|
| Illumination area length | (mm) | 300 |
| Illumination area height | (mm) | 20 |
| Type | | coaxial |
| Focusing | | near |
| Optimal working distance | (mm) | 10-100 |
| Number of LEDs | | 42 |
| Light color, peak wavelength | | white, 6200 K |
| Spectral FWHM | (nm) | - |
| Illuminance ¹ | (klux) | n.a. |
| Diffuser | | no |

Electrical specifications

| | | |
|-----------------------------|---------|------------------|
| Supply voltage ² | (V) | 24 |
| Current ³ | (mA) | 4000 |
| Power consumption | (W) | 100 |
| Estimated MTBF ⁴ | (hours) | > 20000 |
| Connector | | WEIPU SP1710/P9 |
| Included cable | | CBLT007 included |

¹ Measured at minimum working distance

² ±2%

³ With constant driving voltage

⁴ Drop tp 50% intensity @ 25°C

KEY ADVANTAGES

High density LEDs.

3 types of projection lenses

Near field focusing (N), far field focusing (F), collimated (C).

3 opto-mechanical configurations

Lens only, coaxial illumination (CX) or with 45° mirror (MR).

2 cooling methods and power intensities

Passive or active with fans.

Optional diffusive sheet (D) for illumination uniformity

Hot spots reduction when inspecting highly reflective surfaces.

LTLNE series are high power LED line illuminators designed for line scan applications. LTLNE series are available in three opto-mechanical versions: basic configuration with condensing lens, as coaxial line lights (CX) or integrating a 45° mirror (MR).

Mechanical specifications

| | | |
|-----------------|------|----------------------|
| Length | (mm) | 340.0 |
| Width | (mm) | 177.0 |
| Height | (mm) | 40.0 |
| Mass | (g) | 2700 |
| Clamping system | | 8x M4 threaded holes |
| Cooling method | | fan |

Environment

| | | |
|-----------------------------|------|-----------------------|
| Operating temperature | (°C) | 0-40 |
| Storage temperature | (°C) | -20-+60 |
| Operating relative humidity | (%) | 20-85, non condensing |
| Installation | | Indoor use only |

Eye safety

| | | |
|--------------------------------|--|--------------|
| Risk group (CEI EN 62471:2010) | | Risk group 2 |
|--------------------------------|--|--------------|

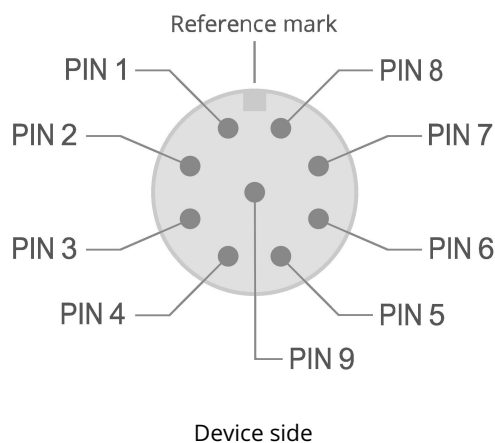
COMPATIBLE PRODUCTS

Full list of compatible products available [here](#).



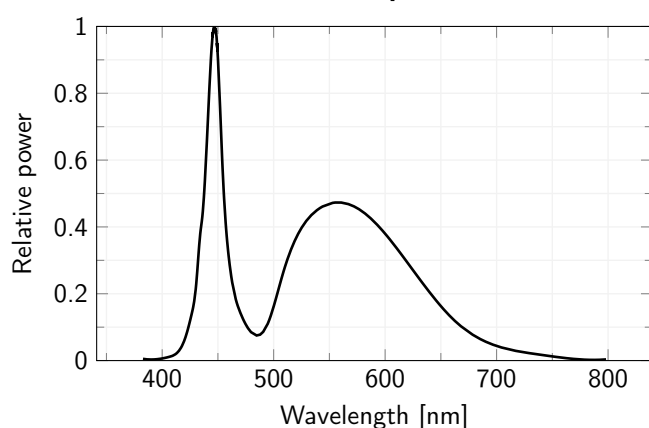
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CONNECTOR PINOUT



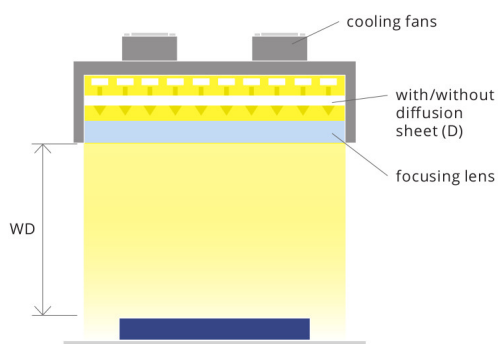
| Pin | Function | Description | Cable color |
|-----|----------|---|-------------|
| 1 | LED+ | Light supply: positive terminal | White |
| 2 | LED+ | Light supply: positive terminal | Brown |
| 3 | LED- | Light supply: negative terminal | Green |
| 4 | LED- | Light supply: negative terminal | Yellow |
| 5 | NTC+ | Thermal sensor input: positive terminal | Grey |
| 6 | NTC- | Thermal sensor input: negative terminal | Pink |
| 7 | FAN- | Fan supply: negative terminal | Blue |
| 8 | FAN+ | Fan supply: positive terminal | Red |
| 9 | | Not used | |

LED color spectrum

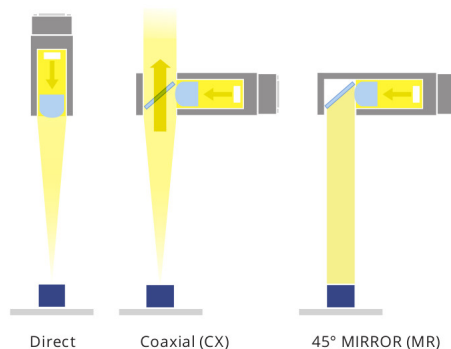


ADDITIONAL INFO

Lighting structure



Type



Projection lenses and focusing distances

