



- Low-emission LED Lights
- Wide performance range
- Very high color rendering quality
- Low heat generation

## SHIELDED LED LAMPS FOR EMC CRITICAL AREAS

The EMC-resistant, dimmable (optional) and low-emission LED lights and drivers are the ideal LED lighting system for EMC and test labs, as well as generally interference-sensitive environments.

The power supply (driver) is separated from the lamps, which are connect by shielded cables. The LEDs are operated below their maximum power. So by increasing the power of the driver the illumination per lamp can be increased.

There are lamps with four (LLED4) and 16 (LLED16) LEDs. The driver TLED-070 can drive one or more lamps with up to 70W in total. The current is distributed automatically between the lamps and the illumination changes accordingly.

Different types of LEDs can be mounted in the lamps to get various light temperatures and opening angles of the reflector.

### FEATURES:

- LED lights or spotlights for EMC laboratories, test fields and general environments
- Minimal EMC interference from the th lamps, including the power supply (driver)
- High efficiency, thus low heat dissipation (10 ...15 lm/W)
- Different number of LEDs depending on power ( 4 or 16 LEDs)
- The drivers and LED lights are specially matched to each other
- Lamps and driver supplied as a set of one to three lamps and a driver
  - SLED3 (70W): 3\*LLED4 (ca. 2600lm)
  - SLED2 (70W): 2\*LLED4 (ca. 4400lm)
  - SLED1 (70W): 1\*LLED16 (ca. 11000lm)

### ACCESSORIES:

- Lamp with 4 or16 LEDs (4x4)
- Color temperature: 2700 K, 3000 K, 4000 K (Ra = 97), others on request. The illumination differs with light temperature.
- Opening angle of the reflectors: 15 °, 30 °, 40 ° and 80
- Optionally dimmable: 10 % to 100 %
- Cabling as fixed installation or as 230 V cable with plugs and sockets for LED cabling
- Ceiling or wall mount possible

# EMC LED Lamps

## TECHNICAL DATA

LED LAMP				
Color temperature	2700 K	3000 K	4000 K	
Efficiency typ.	107 lm/W	112 lm/W	115 lm/W	
Luminous flux at operating conditions	7,500...10,700 lm	7,850...11,200 lm	8,000...11,500 lm	
Center of CIE1931 diagram x	0.4577	0.4339	0.3818	
Center of CIE1931 diagram y	0.4098	0.4032	0.3796	
Immunity	200 V/m			
Color rendering index Ra / CRI-Wert typ.	97 (other color temperatures divergent)			
Nominal power LED	196 W			
Operating power	70...100 W			
Absolute max. power LED	4,560 W			
Nominal voltage of the light	34 V			
Dimensions	210 x 250 x 95 mm (210 x 250 x 190 w. retaining bracket)			
Weight	4.4 kg			
Overtemperature over ambient typ.	20 deg.			
Temperature Operating	0...40 °C, storage: -25...+70 °C			
Air humidity	0...80 % non-condensing			
<b>Reflectors</b>	<b>S</b>	<b>M</b>	<b>W</b>	<b>XW</b>
Opening angles	15 °	30 °	40 °	80 °
Efficiency	95 %			
LED DRIVER				
Nominal power of driver on connected LED light	70 W			
Input voltage	110...240 V			
Immunity	200 V/m			
Distance to lamp	max. 2 m			
Frequency of input voltage	50 / 60 Hz			
Overtemperature over ambient typ.	30 deg.			
Dimensions	150 x 130 x 75 mm (180 x 130 x 75 w. retaining brack			
Weight	2.9 kg			
Temperature Operating:	0...40 °C, storage: -25...+70 °C			
Air humidity	0...80 % non-condensing			

Prices and specifications are subject to change without notice!

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