

MK5050-16x2-8S4P-25W-L121R4W49R5-48V-20708

LED Street and Outdoor lighting modules with optics

These LED modules are suitable for standard compliant street lighting, paths and squares in accordance with EN 13201. These modules are designed for built-in into luminaire casings. They enable a modular luminaire design. The modules dimensions aligned with Zhaga book 15, Compatible with third party optics, e.g. from DARKOO.

25W@182Lm/w

Technical data

Dimensions: 121.4x 49.5 mm
On-board push-in terminals (WAGO 2060)
Allowed operating temperature at tc point:
-30 to 85 °C (> 550 mA)
Use of external LED constant-current drivers
Efficiency up to 182 lm/W
Colour rendering index Ra: > 70
Colour accuracy initially: 5 SDCM;
after 50,000 hrs. operating time: 7 SDCM
Lumen maintenance L80/B10:
50,000 hrs. (If 550 mA)



Specific technical data

| Type | Typ. luminous flux at tp = 25 °C | Typ. luminous flux at tp = 65 °C | Typ. Colour temperature (CCT) | Colour rendering index CRI | Min. forward voltage at tp = 65 °C | Max. forward voltage at tp = 25 °C | Typ. forward current | Typ. power consumption at tp = 65 °C | Max. forward current | Efficacy of the module at tp = 25 °C | Efficacy of the module at tp = 65 °C |
|------|----------------------------------|----------------------------------|-------------------------------|----------------------------|------------------------------------|------------------------------------|----------------------|--------------------------------------|----------------------|--------------------------------------|--------------------------------------|
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Outdoor-Z LED-module – L172.2 W49.5

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|--------------|---------|---------|--------|-----|-------|-------|-------|-------|-------|---------|---------|
| 25W-AL20708T | 1,920Lm | 1,850Lm | 3,000K | >70 | 44.8V | 45.6V | 250mA | 10.9W | 800mA | 192Lm/W | 185Lm/W |
| | 2,775Lm | 2,670Lm | | | | | 350mA | 15.4W | | 185Lm/W | 178Lm/W |
| | 4,300Lm | 4,125Lm | | | | | 550mA | 25.1W | | 172Lm/W | 165Lm/W |
| 25W-AL20708T | 2,020Lm | 1,950Lm | 4,000K | >70 | 44.8V | 45.6V | 250mA | 10.9W | 800mA | 202Lm/W | 195Lm/W |
| | 2,940Lm | 2,835Lm | | | | | 350mA | 15.4W | | 196Lm/W | 189Lm/W |
| | 4,550Lm | 4,375Lm | | | | | 550mA | 25.1W | | 182Lm/W | 175Lm/W |
| 25W-AL20708T | 2,010Lm | 1,940Lm | 5,700K | >70 | 44.8V | 45.6V | 250mA | 10.9W | 800mA | 201Lm/W | 194Lm/W |
| | 2,925Lm | 2,820Lm | | | | | 350mA | 15.4W | | 195Lm/W | 188Lm/W |
| | 4,550Lm | 4,375Lm | | | | | 550mA | 25.1W | | 182Lm/W | 175Lm/W |

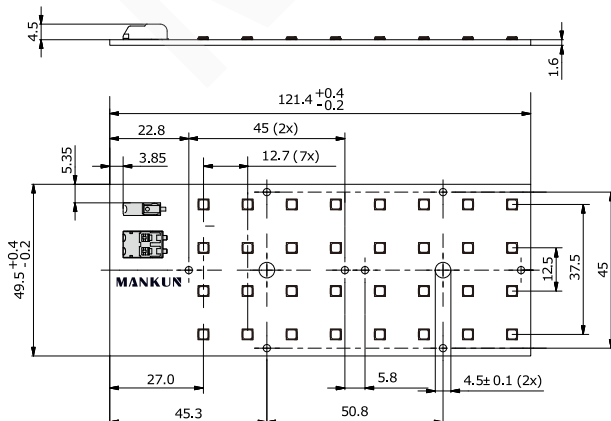
* The values mentioned above represent only statistical variables on account of the complex manufacturing process of light emitting diodes

The values do not necessarily correspond exactly to the actual parameters of every single product which can vary from the typical specification.

** Production tolerance of voltage and power consumption: +10%/-4%; Measuring tolerance of luminous flux: ±7%

*** Measuring tolerance of CRI: ±2 | CRI > 80 on request

DIMENSIONS (All dimensions in mm)



Typical applications

- Installation in luminaires comerciales
- High bay lighting
- Flood and Area lighting
- Urban street lighting
- Road lighting

Website

<http://www.led-module.cn/pro180>

