

MK5050-8X3-2S12P-L172R2W49R5-48V-20939

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.



Technical data

- Dimensions: 172. 2x 49.5 mm
- On-board push-in terminals (WAGO 2060)
- Allowed operating temperature at tc point: -30 to 85 °C (> 800 mA)
- Use of external LED constant-current drivers
- Efficiency up to 194 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 800 mA)



Specific technical data

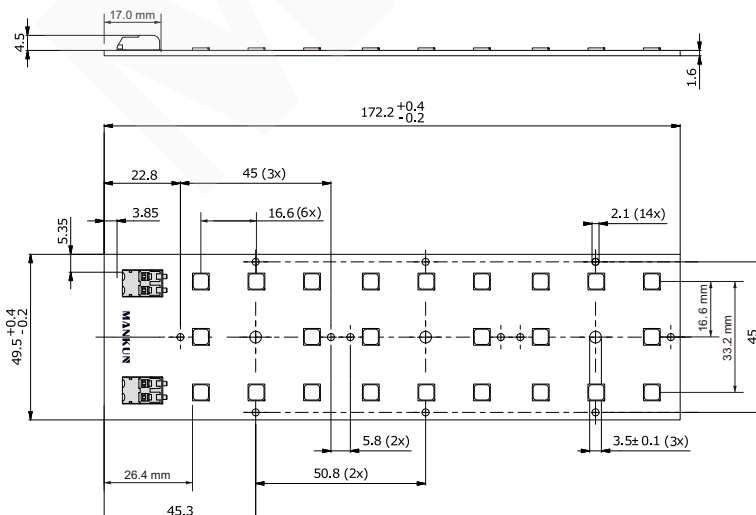
Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C
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Outdoor-Z LED-module – L172.2 W49.5 H8

MK5050-20939	3,248Lm	3,136Lm	3,000K	>70	48.4V	51.6V	350mA	16.2W	2400mA	203Lm/W	196Lm/W
	4,554Lm	4,393Lm					500mA	23.1W		198Lm/W	191Lm/W
	6,510Lm	6,265Lm					800mA	35.9W		186Lm/W	179Lm/W
MK5050-20939	3,376Lm	3,264Lm	4,000K	>70	48.4V	51.6V	350mA	16.2W	2400mA	211Lm/W	204Lm/W
	4,738Lm	4,577Lm					500mA	23.1W		206Lm/W	199Lm/W
	6,790Lm	6,545Lm					800mA	35.9W		194Lm/W	187Lm/W
MK5050-20939	3,328Lm	3,216Lm	5,700K	>70	48.4V	51.6V	350mA	16.2W	2400mA	208Lm/W	201Lm/W
	4,669Lm	4,508Lm					500mA	23.1W		203Lm/W	196Lm/W
	6,720Lm	6,475Lm					800mA	35.9W		192Lm/W	185Lm/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 > 70 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/pro128>

