

## MK5050-6X3-2S9P-L172R2W49R5-48V-20931

### 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 184 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

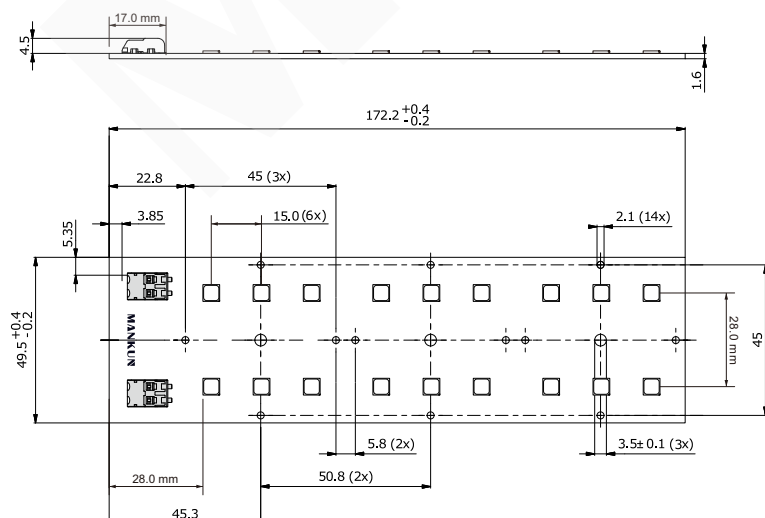
MK5050-20931	3,088Lm	2,976Lm	3,000K	>70	48.4V	51.6V	350mA	16.2W	1800mA	193Lm/W	186Lm/W
	4,324Lm	4,163Lm					500mA	23.1W		188Lm/W	181Lm/W
	6,265Lm	6,020Lm					800mA	35.9W		179Lm/W	172Lm/W
MK5050-20931	3,056Lm	2,944Lm	4,000K	>70	48.4V	51.6V	350mA	16.2W	1800mA	191Lm/W	184Lm/W
	4,508Lm	4,347Lm					500mA	23.1W		196Lm/W	189Lm/W
	6,440Lm	6,195Lm					800mA	35.9W		184Lm/W	177Lm/W
MK5050-20931	3,168Lm	3,056Lm	5,700K	>70	48.4V	51.6V	350mA	16.2W	1800mA	198Lm/W	191Lm/W
	4,439Lm	4,278Lm					500mA	23.1W		193Lm/W	186Lm/W
	6,370Lm	6,125Lm					800mA	35.9W		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 > 70 on request

### DIMENSIONS (All dimensions in mm)



### Typical applications

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

### Website

<http://www.led-module.cn/pro136>

