

## MK5050-2X8-16S1P-L223W49R5-48V-15550

### 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.

**50W@156Lm/w**

### Technical data

Dimensions: 223x49.5 mm  
On-board push-in terminals (WAGO 2060)  
Allowed operating temperature at tc point:  
-30 to 85 °C (> 1050 mA)  
Use of external LED constant-current drivers  
Efficiency up to 156 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 1050 mA)



### Specific technical data

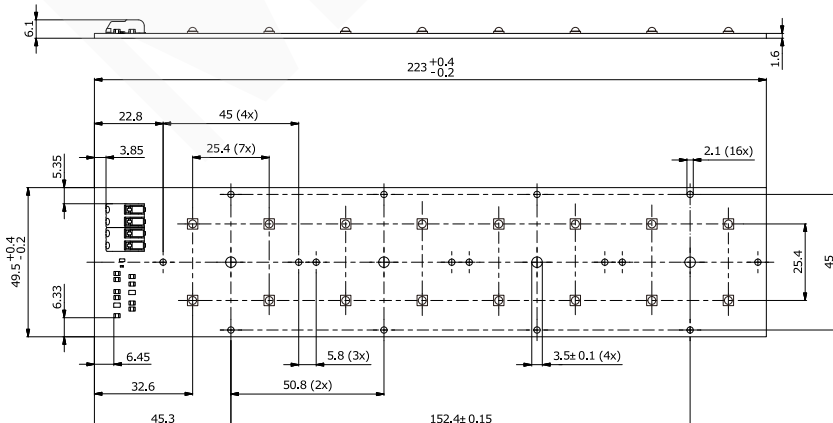
Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficiency of the module at tp = 25 °C	Efficiency of the module at tp = 65 °C
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### Outdoor-Z LED-module – L223 W49.5H8

MK5050-15550	2,820Lm	2,715Lm	5,700K	>70	43.2V	49.6V	350	15.2W	1500	188Lm/W	181Lm/W
	3,982Lm	3,828Lm					500	22.1W		181Lm/W	174Lm/W
	5,332Lm	5,115Lm					700	31.4W		172Lm/W	165Lm/W
	7,632Lm	7,296Lm					1050	48.4W		159Lm/W	152Lm/W
	8,758Lm	8,352Lm					1250	58.4W		151Lm/W	144Lm/W
	9,636Lm	9,174Lm					1400	66.1W		146Lm/W	139Lm/W
10,082Lm	9,585Lm	1500	71.2W	142Lm/W	135Lm/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/pro146>

