

## MK5050-6X3-6S3P-L165W49R5-36V-21459

### 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: 165x49.5 mm  
On-board push-in terminals (WAGO 2060)  
Allowed operating temperature at tc point:  
-30 to 85 °C (> 1500 mA)  
Use of external LED constant-current drivers  
Efficiency up to 187 lm/W  
Colour rendering index Ra: > 70  
Colour accuracy initially: 5 SDCM;  
after 80,000 hrs. operating time: 7 SDCM  
Lumen maintenance L80/B10:  
80,000 hrs. (If 1500 mA)



### Specific technical data

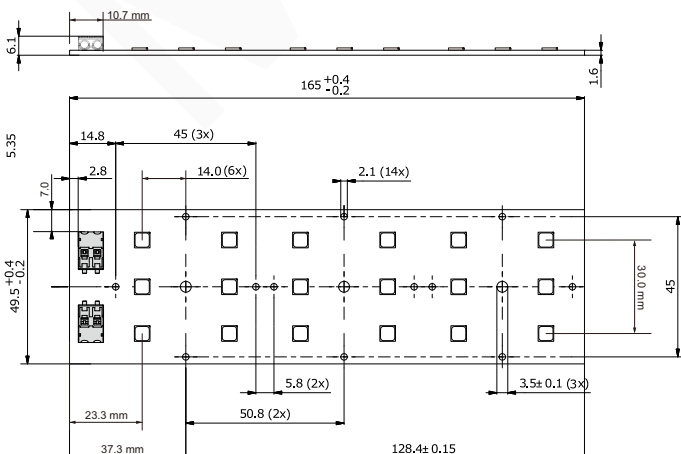
Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C
------	----------------------------------	----------------------------------	-------------------------------	----------------------------	------------------------------------	------------------------------------	----------------------	--------------------------------------	----------------------	--------------------------------------	--------------------------------------

#### Outdoor-Z LED-module – L165W49.5H8

DK5050-	3,120Lm	3,015Lm					0.48A	15.6W		208Lm/W	201Lm/W
6H3-5050-	6,208Lm	5,984Lm	3,000K	>70	32.4V	37.2V	0.96A	32.1W	2.1A	194Lm/W	187Lm/W
21459	8,820Lm	8,477Lm					1.44A	49.4W		180Lm/W	173Lm/W
	11,055Lm	10,586Lm					1.92A	67.4W		165Lm/W	158Lm/W
DK5050-	3,315Lm	3,210Lm					0.48A	15.6W		221Lm/W	214Lm/W
6H3-5050-	6,592Lm	6,368Lm	4,000K	>70	32.4V	37.2V	0.96A	32.1W	2.1A	206Lm/W	199Lm/W
21459	9,359Lm	9,016Lm					1.44A	49.4W		191Lm/W	184Lm/W
	11,725Lm	11,256Lm					1.92A	67.4W		175Lm/W	168Lm/W
DK5050-	3,285Lm	3,180Lm					0.48A	15.6W		219Lm/W	212Lm/W
6H3-5050-	6,528Lm	6,304Lm	5,000K	>70	32.4V	37.2V	0.96A	32.1W	2.1A	204Lm/W	197Lm/W
21459	9,261Lm	8,918Lm					1.44A	49.4W		189Lm/W	182Lm/W
	11,591Lm	11,122Lm					1.92A	67.4W		173Lm/W	166Lm/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/prol304>

