

## MK286-12H-4S3P-12V-5W-L140W20-20727

### Built-in PCB lighting modules

The new MK286-12H-20727 is characterised by its particularly easy-to-use mounting and connection options (ZHAGA-compliant hole spacing). Thanks to producing a homogeneous light field without any discernible individual light points, these LED modules are ideal for use with reflectors in luminaires constructed for T5 and T8 lamps.



### Technical data

Dimensions: 140x 20 mm  
 On-board push-in terminals (WAGO 2059)  
 Allowed operating temperature at tc point:  
 -40 to 85 °C (> 450 mA)  
 -40 to 105 °C (450 mA)  
 Use of external LED constant-current drivers  
 Efficiency up to 190 lm/W  
 Colour rendering index Ra: > 80  
 Colour accuracy initially: 3 SDCM;  
 after 70,000 hrs. operating time: 4 SDCM  
 Lumen maintenance L80/B10:  
 70,000 hrs. (If450 mA)

### Specific technical data

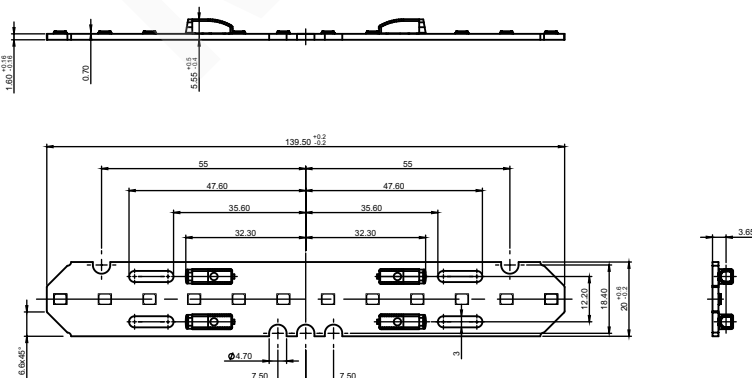
Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C
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#### Linear-Z LED-module – L140 W20 H8

5W-20727LN	969.0Lm	933.3Lm	4,000K	>80	10.8V	12.4V	450mA	5.1W	480mA	190Lm/W	183Lm/W
	760.5Lm	733.2Lm					350mA	3.9W		195Lm/W	188Lm/W
	562.8Lm	543.2Lm					250mA	2.8W		201Lm/W	194Lm/W
5W-20727RK	856.8Lm	821.1Lm	4,000K	>80	10.8V	12.4V	440mA	5.1W	480mA	168Lm/W	161Lm/W
	678.6Lm	651.3Lm					340mA	3.9W		174Lm/W	167Lm/W
	491.4Lm	472.5Lm					240mA	2.7W		182Lm/W	175Lm/W

Emission data at tp = 65 °C | \* Colour tolerance: 3 MacAdam | \*\* Production tolerance of luminous flux and efficiency: ±10 % | Min. CRI Ra: > 80

### DIMENSIONS (All dimensions in mm)



### Typical applications

- Installation in luminaires comerciais
- Office lighting
- Retail, corridor and shelf lighting
- T5/T8 replacement as built-in module
- Furniture lighting
- Backlighting for advertising

### Website

<http://www.led-module.cn/pro113>

