

## LL286-24H-12S2P-36V-5W-L140W20-21043

### Built-in PCB lighting modules

The module is characterised by its particularly easy-to-use mounting and connection options (ZHAGA book 7-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.

**5W@200Lm/w**

### Technical data

Dimensions: 140x 20 mm  
 On-board push-in terminals (WAGO 2060)  
 Allowed operating temperature at tc point:  
 -40 to 85 °C (> 150 mA)  
 Use of external LED constant-current drivers  
 Efficiency up to 200 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. (lf 150 mA)



### Specific technical data

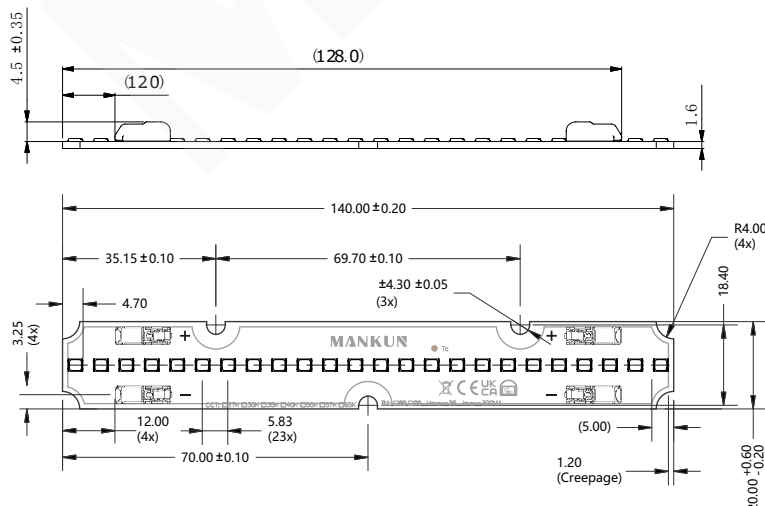
Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficiency of the module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

	902Lm	867Lm	2,700K				150mA	4.9W		184Lm/W	177Lm/W
LL286-	916Lm	882Lm	3,000K				150mA	4.9W		187Lm/W	180Lm/W
12S2P-	960Lm	926Lm	4,000K				150mA	4.9W		196Lm/W	189Lm/W
140X20mm	970Lm	936Lm	5,000K	>80	30V	34.8V	150mA	4.9W	300mA	198Lm/W	191Lm/W
-21043	980Lm	946Lm	5,700K				150mA	4.9W		200Lm/W	193Lm/W
	960Lm	926Lm	6,500K				150mA	4.9W		196Lm/W	189Lm/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 > 80 on request

### 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/pro162>

