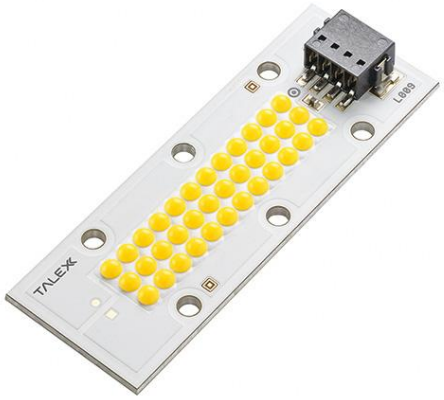
TRIDONIC

Module RECTANGULAR P440-2

Modules Pxxx



Product description

_ Street lighting
_ High-flux LED module
_ Narrow colour temperature tolerance band
_ Compact design
_ Excellent thermal management ①
_ NTC for temperature control
_ High-power LED in chip-on-board technology (COB)
_ Beam characteristic: 140°
_ Uniform distribution of light
_ Mounting with M3 screws
_ Built-in LED module
_ Cooling required

① If the max. temperature limits are exceeded, the life of the system will be greatly reduced or the system may be damaged. The temperature of the LED module RECTANGULAR at the tc-point is to be measured in the thermally stable state with a temperature sensor or a temperature sensitive sticker according to EN 60598-1. For the precise position of the tc point see the above diagram.

Website

http://www.tridonic.com/89601155

Spotlights | Downlights | Linear | Area | Floor | Wall | Free-standing | Street | Decorative | High bay

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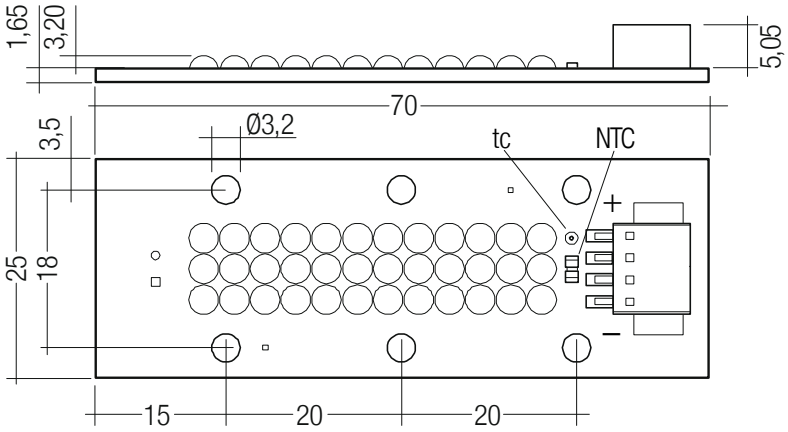
The complete data sheet for this product is available in the Downloads section.



Ordering data

Type	Article number	Colour temperature ④⑤	Packaging, carton	Weight per pc.
LED P440-2 5000K 70x25	**89601155**	5,000 K	20 pc(s).	0.008 kg

Technical data

Typ. power at 1,050 mA ②③	40 W
Ambient temperature range	-30 … +55 °C
tp rated	65 °C
tc ①	85 °C
Max. DC forward current	1,400 mA
Max. permissible LF current ripple	2,000 mA
Max. permissible peak current	3,000 mA / max. 10 ms
Risk group (EN 62471:2008)	0

Approval marks

EAC RoHS

Standards

EN 62031, EN 62471

Specific technical data

Type	Photometric code	Min. luminous flux at 1,050 mA ⑥③	Typ. luminous flux at 1,050 mA ⑥③	Typ. forward current ⑦⑧	Max. forward current ⑦⑧	Min. forward voltage ②③	Typ. forward voltage ②③	Max. forward voltage ②③	Colour rendering index CRI ⑤
LED P440-2 5000K 70x25	750/4x9	3,400 lm	3,800 lm	1,050 mA	1,400 mA	33.3 V	38 V	44.8 V	> 70

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② Tolerance range for electrical data: ±15 %.

③ At tc = 65 °C.

④ Colour coordinates and tolerances according to CIE 1964.

⑤ Colour temperature and colour rendering index CRI according to CIE 1931.

⑥ Tolerance range for optical data: ±15 %.

⑦ Exceeding the max. operating current leads to an overload on the LED module RECTANGULAR. This may in turn result in a significant reduction in life-time or even destruction of the LED module RECTANGULAR.

⑧ Max. permissible surge current: 3 A, duration max. 10 s.