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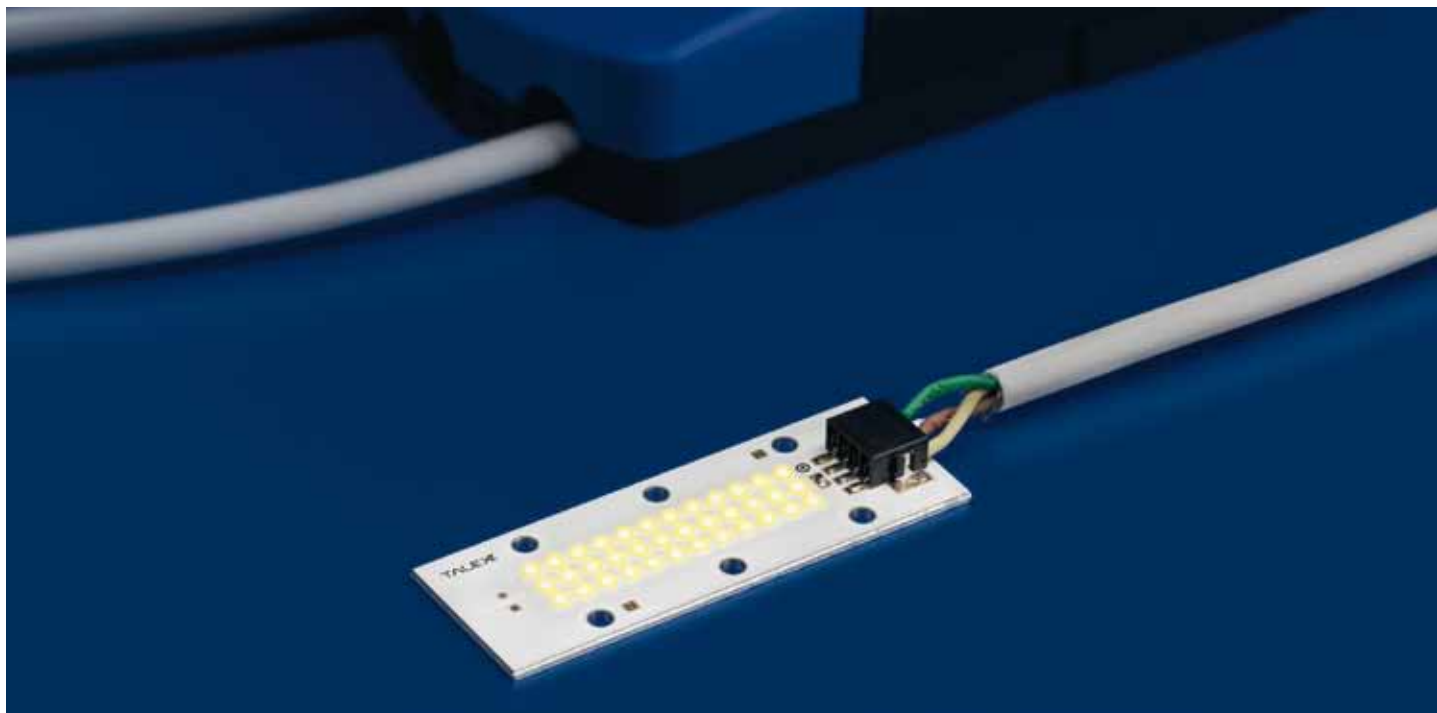


Product Leaflet

TALEXmodule RECTANGULAR



TALEXmodule RECTANGULAR: Top-class power and efficiency



The TALEXmodule RECTANGULAR product range concentrates on versatility. Fitted in rectangular luminaires, wallwashers or spotlights, with their excellent efficiency and high reliability, these high-intensity LED modules cannot fail to impress, whether indoors or outdoors. They set parks, streets, buildings and parking spaces centre-stage perfectly. This high-power LED module also reveals its strengths in situations where there are exacting interior design requirements: closely spaced light points, combined with appropriate reflectors, produce extremely uniform light distribution. In keeping with its application diversity, the product range is available with various lumen packages and colour temperatures. With colour temperatures of 4,000 K and 3,000 K, the colour rendering index achieves an excellent value of CRI > 80 and with 5,000 K, CRI > 70. A built-in temperature sensor, Chip-on-Board technology and hot lumen measurements guarantee extremely reliable technical data under real conditions (at $t_c = 65$ degrees). Careful preparation for installation, such as the ready-fitted terminals, makes luminaire design and manufacture easy.

▼ At a glance:

TALEXmodule RECTANGULAR

- For outdoor and indoor use
- Excellent efficiency of up to 96 lm/W
- Application-specific lumen packages of 2,700 lm to 3,800 lm
- Wide choice of colour temperatures: 3,000 K, 4,000 K and 5,000 K
- First-rate colour rendering (up to CRI > 80)
- Narrow colour tolerance within MacAdam 4 SDCM range
- Chip-on-Board technology for excellent thermal management
- Long service life of up to 50,000 hours



Typical applications

TALEX module RECTANGULAR is an ideal luminaire for use in various outdoor lighting applications. The LED module is also suitable for rectangular downlights or spotlights used in general lighting:

Outdoor:

- Street lighting including pavements, parking spaces
- Large-area lighting such as architectural lighting, floodlighting systems, sports facilities and many more

Indoor:

- Retail and presentation

LED modules for various requirements

TALEX module RECTANGULAR is available in the following versions:

Characteristics / Features	P440-2 3,000 K	P440-2 4,000 K	P440-2 5,000 K
Luminous flux (at $t_c = 65^\circ\text{C}$)	2,700 lm	3,000 lm	3,800 lm
Colour rendering/colour tolerance	CRI > 80 MacAdam 4 SDCM	CRI > 80 MacAdam 4 SDCM	CRI > 70 MacAdam 4 SDCM
Efficiency of the LED module	67 lm/w	75 lm/W	95 lm/W
Power consumption typ.*	39.9 W	39.9 W	39.9 W
Ambient temperature t_a	up to $+50^\circ\text{C}$	up to $+50^\circ\text{C}$	up to $+50^\circ\text{C}$
Maximum surface temperature	85°C	85°C	85°C
Protection class	Protection class III	Protection class III	Protection class III
Dimensions in mm	25x70 mm	25x70 mm	25x70 mm

*Tolerance range for electrical data: $\pm 15\%$, tolerance range for optical data: $\pm 15\%$



Sustainable product design enables straightforward LED module replacement, among other things. Highly suitable for luminaire designs with traditional reflectors.



Terminal for easy, flexible cabling

TALEXmodule RECTANGULAR P440-2

TALEXmodule RECTANGULAR P440-2 is available in the following versions:

Type	Art. no.	Colour temperature	MacAdam	Typ. Luminous flux*	Forward voltage*	Forward current*
LED P440-2 3000K 70x25	89601161	3,000 K	4 SDCM	2,700 lm	38 V	1,050 mA (1,400 max)
LED P440-2 4000K 70x25	89601162	4,000 K	4 SDCM	3,000 lm	38 V	1,050 mA (1,400 max)
LED P440-2 5000K 70x25	89601155	5,000 K	4 SDCM	3,800 lm	38 V	1,050 mA (1,400 max)

*Tolerance range for electrical data: $\pm 15\%$, Tolerance range for optical data: $\pm 15\%$

Suitable TALEXconverter:

TALEXmodule RECTANGULAR P440-2	Art. no.	TALEXconverter IN-BUILT with dimming function		TALEXconverter IN-BUILT without dimming function	
		LCAI 50 W 1050 mA one4all Art. no. 86459245	LCAI 55 W 1400 mA one4all Art. no. 86459246	LCI 50 W 1050 mA Art. no. 86459216	LCI 55 W 1400 mA Art. no. 86459217
LED P440-2 3000K 70x25	89601161	▼	▼	▼	▼
LED P440-2 4000K 70x25	89601162	▼	▼	▼	▼
LED P440-2 5000K 70x25	89601155	▼	▼	▼	▼

► Further technical details for these products can be found at led.tridonic.com.

Product application matrix

Whether you are looking for wide-area lighting or focused accent lighting, our wide range of TALEX products will help you create an individual atmosphere and highlight specific areas exactly as you want. Our product portfolio includes individual light points, round, rectangular and strip versions. Specially matched operating equipment such as converters, amplifiers and sequencers round off the components for a perfect system solution: They guarantee ideal operation and maximum efficiency.

TALEXengine	Luminaire application							
	Spotlights	Downlights	Linear luminaires	Wide-area luminaires	Recessed floor & wall-mounted luminaires	Free-standing luminaires	Street lanterns	Decorative luminaires
TALEXengine STARK DLE		▼						
TALEXengine STARK DLE TWIST	▼	▼						
TALEXengine STARK SLE	▼	▼			▼	▼		▼
TALEXengine STARK LLE			▼	▼	▼	▼		
TALEXengine STARK QLE				▼	▼			
TALEXengine RLE **					▼		▼	
TALEXengine INDI *			▼			▼		

TALEXmodule	Luminaire application							
	Spotlights	Downlights	Linear luminaires	Wide-area luminaires	Recessed floor & wall-mounted luminaires	Free-standing luminaires	Street lanterns	Decorative luminaires
TALEXmodule SPOT	▼	▼			▼	▼	▼	▼
TALEXmodule RECTANGULAR	▼	▼			▼	▼	▼	
TALEXmodule FULMEN	▼	▼						
TALEXmodule STRIP								▼
TALEXmodule EOS								▼
TALEXmodule XED DECO		▼	▼	▼	▼			▼

TALEXconverter	Luminaire application							
	Spotlights	Downlights	Linear luminaires	Wide-area luminaires	Recessed floor & wall-mounted luminaires	Free-standing luminaires	Street lanterns	Decorative luminaires
TALEXconverter REMOTE dimmable (LCA)		▼	▼	▼				▼
TALEXconverter IN-BUILT dimmable (LCA)	▼		▼	▼	▼	▼	▼	▼
TALEXconverter REMOTE non-dimmable (LC)		▼	▼	▼				▼
TALEXconverter IN-BUILT non-dimmable (LC)	▼		▼	▼	▼	▼	▼	▼

* available in autumn 2012

** available in the 2nd semester of 2012

Support and advice from a single source

We will help you to create lighting solutions that are unbeatable in terms of economy and functionality, according to our slogan: We devote all our energy to your light.

As an international company, Tridonic is represented worldwide by 30 branch offices and partners in 73 countries. The easiest way to find your regional contact is to check our website at www.tridonic.com.



Exactly what you need for your LED product solutions Systems, modules, components and more

- High-intensity lighting effect thanks to exceptional white light quality
- Reliability thanks to long-lasting colour precision
- Flexibility thanks to varied product portfolio
- Advice and support provided by your Tridonic service team as usual

**Make sure you have all your LEDs under perfect control:
led.tridonic.com**

