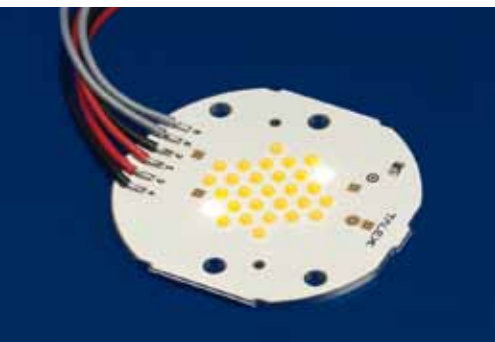
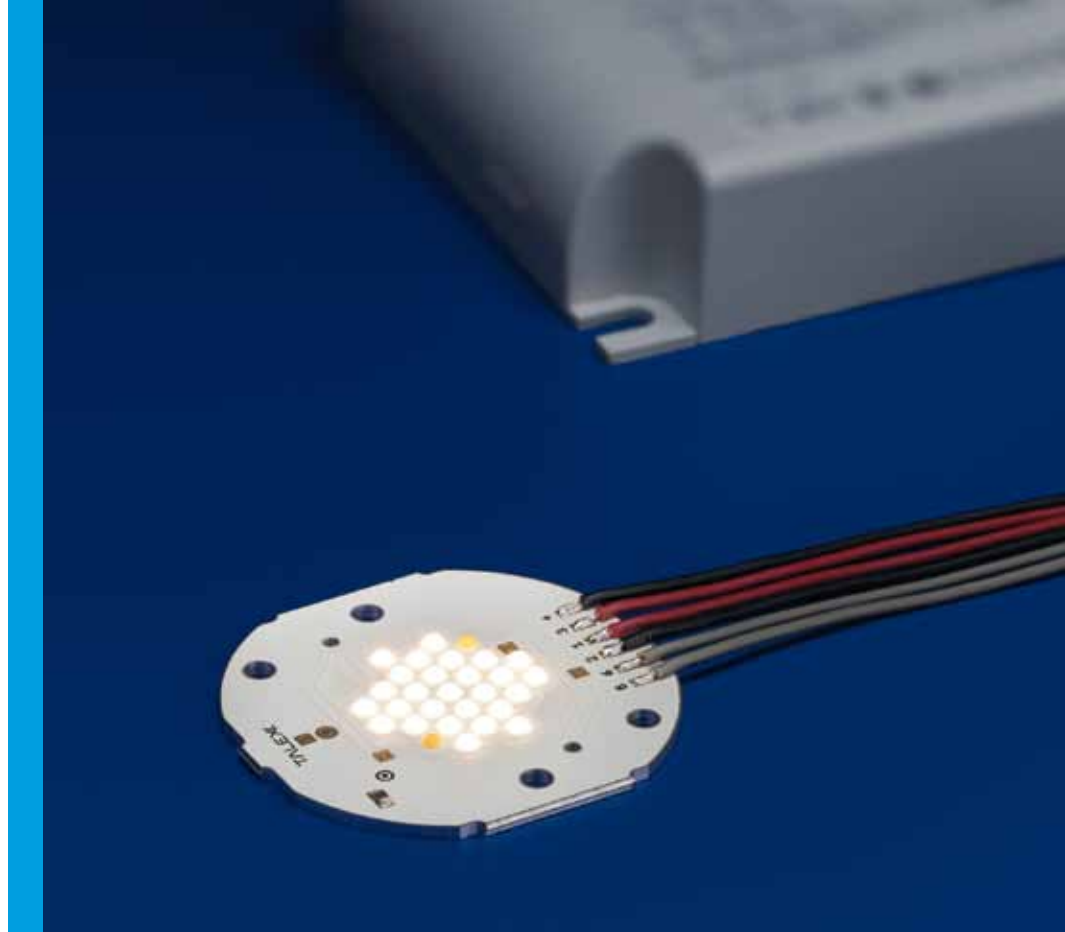


Expertise
Product quality
Close customer
contact

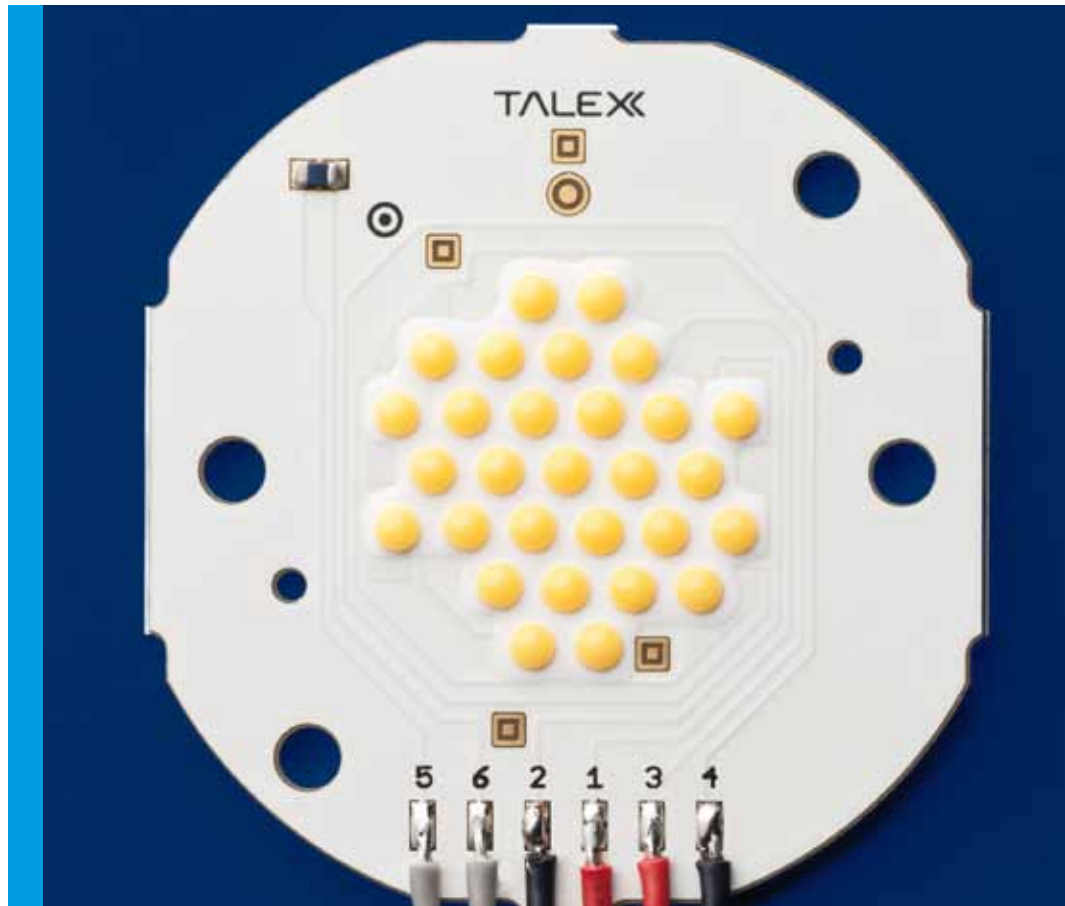


Product Leaflet

TALEX module SPOT



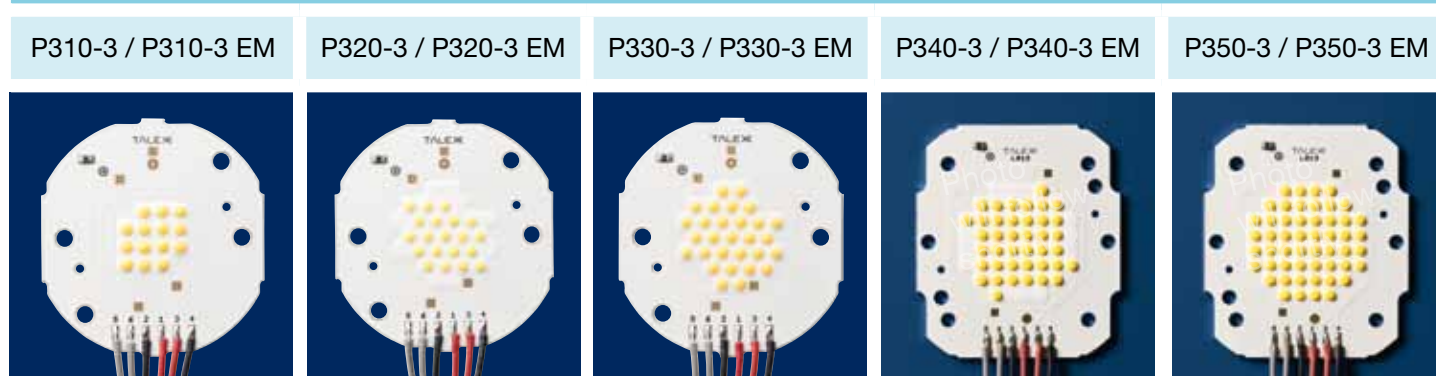
TRIDONIC
▼ enlightening your ideas



The latest generation LED modules

TALEXmodule SPOT: Performance meets flexibility

TALEXmodule SPOT



With its round compact design and impressive lumen values, the TALEXmodule SPOT product series is redefining flexibility. TALEXmodule SPOT is suitable for downlights and for spotlights because it complies with the mechanical and thermal standards of the luminaire industry.

Its narrow light point spacing means that reflectors can produce uniform illumination. For indoor applications, the colour temperatures of 3,000, 3,500 and 4,000 kelvin and a colour rendering index (CRI) > 80 add up to high-quality light; for outdoor applications, the versions with 5,000 K offer exceptional efficiency. The reliability of TALEXmodule SPOT is based on a number of factors:

chip-on-board (COB) technology for excellent thermal management, hot lumen measurements under real conditions (at $t_c = 65^\circ$) and an integrated temperature sensor for automatic shutdown in the event of overtemperature all add up to maximum safety.

▼ At a glance TALEXmodule SPOT series

- Outstanding efficiency of up to 95 lm/W
- TALEXmodule SPOT EM with integrated emergency LEDs
- Close colour tolerances within MacAdam 4 SDCM
- High colour rendering of up to CRI > 80
- Wide selection of colour temperatures: 3,000 K, 3,500 K, 4,000 K and 5,000 K
- Sustainable product design
- Application-specific lumen packages from 900 lm to 5,300 lm
- Individual colours and additional colour temperatures, for example for illuminating food
- Ready-made cables on the module
- Long lamp life of up to 50,000 hours



Typical applications

TALEXmodule SPOT is perfect in indoor applications as a downlight or spotlight for general illumination:

- Shop and presentation
- Office and education
- Art and culture
- Hotel and wellness

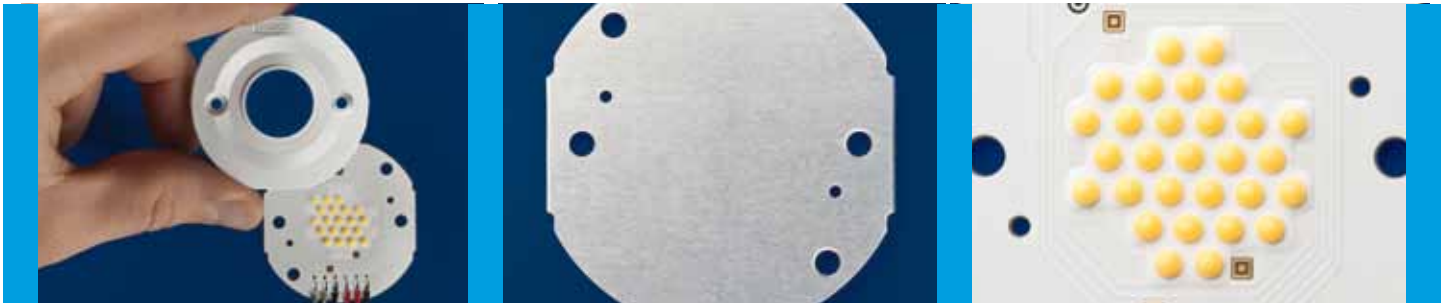
LED modules for different requirements

The TALEXmodule SPOT series is available in the following versions:

Characteristics / Features	P310-3 P310-3 EM	P320-3 P320-3 EM	P330-3 P330-3 EM	P340-3 P340-3 EM	P350-3 P350-3 EM
Colour temperature	3,000 K, 3,500 K, 4,000 K, 5,000K	3,000 K, 3,500 K, 4,000 K, 5,000K	3,000 K, 3,500 K, 4,000 K, 5,000K	3,000 K, 3,500 K, 4,000 K, 5,000K	3,000 K, 3,500 K, 4,000 K, 5,000K
Luminous flux (at $t_c = 65\text{ °C}$)*	900 lm to 1,120 lm	1,350 lm to 1,680 lm	2,050 lm to 2,400 lm	2,700 lm to 3,400 lm	3,600 lm to 5,300 lm
Colour rendering/ colour tolerance*	CRI > 80 MacAdam 4 SDCM	CRI > 80 MacAdam 4 SDCM	CRI > 80 MacAdam 4 SDCM	CRI > 80 MacAdam 4 SDCM	CRI > 80 MacAdam 4 SDCM
Efficiency of the LED module*	67 lm/w to 95 lm/W	67 lm/w to 95 lm/W	67 lm/w to 95 lm/W	67 lm/w to 95 lm/W	67 lm/w to 95 lm/W
Power consumption typ.**	13.3 W	19.6 W	29.4 W	39.9 W	53.2 W
Ambient temperature t_a	up to +50 °C	up to +50 °C	up to +50 °C	up to +50 °C	up to +50 °C
Max. surface temperature	85 °C	85 °C	85 °C	85 °C	85 °C
Protection class	III	III	III	III	III
Dimensions (outside diameter, including housing) in mm	50 mm	50 mm	50 mm	65 mm	65 mm

*The specified values relate to all versions in the TALEXmodule SPOT series.

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



Sustainable product design for downlights and spotlights

Backpage of the module for thermal connection to the heat sink

Narrow light point spacing for uniform illumination

TALEX(module SPOT P310

TALEX(module SPOT P310-3 and TALEX(module SPOT P310-3 EM are available in the following versions:

Type	Art. no.	Colour temperature	MacAdam	Typ. Luminous flux*	Forward voltage*	Forward current*	No. of EM LEDs
LED P310-3 3000K 47x44	89601411	3,000 K	4 SDCM	900 lm	38 V	350 mA (700 max)	-
LED P310-3 3500K 47x44	89601412	3,500 K	4 SDCM	900 lm	38 V	350 mA (700 max)	-
LED P310-3 4000K 47x44	89601413	4,000K	4 SDCM	1,000 lm	38 V	350 mA (700 max)	-
LED P310-3 5000K 47x44	89601414	5,000K	4 SDCM	1,120 lm	38 V	350 mA (700 max)	-
LED P310-3 EM 3000K 47x44	89601431	3,000 K	4 SDCM	900 lm	38 V	350 mA (700 max)	2 (150 lm)
LED P310-3 EM 4000K 47x44	89601432	4,000K	4 SDCM	1,000 lm	38 V	350 mA (700 max)	2 (170 lm)

*Tolerance range for electrical data: ±15 %, Tolerance range for optical data: ±15 %

Suitable TALEX(converter:

TALEX(module SPOT	Art. no.	TALEX(converter REMOTE with dimming function		TALEX(converter REMOTE without dimming function			EM powerLED 1-4W*
		LCAI 15 W 350 mA one4all Art. no. 86458899	LCAI 30 W 700 mA one4all Art. no. 86458900	LCI 15 W 350 mA Art. no. 24166312	LCI 30 W 700 mA Art. no. 24166314	LCCI 16 W 350 mA Art. no. 86459210	
LED P310-3 3000K 47x44	89601411	▼	▼	▼	▼	▼	
LED P310-3 3500K 47x44	89601412	▼	▼	▼	▼	▼	
LED P310-3 4000K 47x44	89601413	▼	▼	▼	▼	▼	
LED P310-3 5000K 47x44	89601414	▼	▼	▼	▼	▼	
LED P310-3 EM 3000K 47x44	89601431	▼	▼	▼	▼	▼	▼
LED P310-3 EM 4000K 47x44	89601432	▼	▼	▼	▼	▼	▼

*technical details for this product can be found in our catalogue, in the brochure for emergency lighting units or on the data sheets (available to download from www.tridonic.com).

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

TALEXmodule SPOT P320

TALEXmodule SPOT P320-3 and TALEXmodule SPOT P320-3 EM are available in the following versions:

Type	Art. no.	Colour temperature	MacAdam	Typ. luminous flux*	Forward voltage*	Forward current*	No. of EM LEDs
LED P320-3 3000K 47x44	89601415	3,000 K	4 SDCM	1,350 lm	28 V	700 mA (1,050 max)	-
LED P320-3 3500K 47x44	89601416	3,500 K	4 SDCM	1,350 lm	28 V	700 mA (1,050 max)	-
LED P320-3 4000K 47x44	89601417	4,000K	4 SDCM	1,500 lm	28 V	700 mA (1,050 max)	-
LED P320-3 5000K 47x44	89601418	5,000K	4 SDCM	1,680 lm	28 V	700 mA (1,050 max)	-
LED P320-3 EM 3000K 47x44	89601433	3,000 K	4 SDCM	1,350 lm	28 V	700 mA (1,050 max)	2 (150 lm)
LED P320-3 EM 4000K 47x44	89601434	4,000K	4 SDCM	1,500 lm	28 V	700 mA (1,050 max)	2 (170 lm)

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

Suitable TALEXconverter:

TALEXmodule SPOT	Art. no.	TALEXconverter REMOTE with dimming function LCI 30 W 700 mA one4all Art. no. 86458900	TALEXconverter REMOTE without dimming function LCI 30 W 700 mA Art. no. 24166314	EM powerLED 1-4W*
LED P320-3 3000K 47x44	89601415	▼	▼	
LED P320-3 3500K 47x44	89601416	▼	▼	
LED P320-3 4000K 47x44	89601417	▼	▼	
LED P320-3 5000K 47x44	89601418	▼	▼	
LED P320-3 EM 3000K 47x44	89601433	▼	▼	▼
LED P320-3 EM 4000K 47x44	89601434	▼	▼	▼

*technical details for this product can be found in our catalogue, in the brochure for emergency lighting units or on the data sheets (available to download from www.tridonic.com).

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

TALEXmodule SPOT P330

TALEXmodule SPOT P330-3 and TALEXmodule SPOT P330-3 EM are available in the following versions:

Type	Art. no.	Colour temperature	MacAdam	Typ. luminous flux*	Forward voltage*	Forward current*	No. of EM LEDs
LED P330-3 3000K 47x44	89601419	3,000 K	4 SDCM	2,050 lm	28 V	1,050 mA (1,400 max)	-
LED P330-3 3500K 47x44	89601420	3,500 K	4 SDCM	2,050 lm	28 V	1,050 mA (1,400 max)	-
LED P330-3 4000K 47x44	89601421	4,000K	4 SDCM	2,250 lm	28 V	1,050 mA (1,400 max)	-
LED P330-3 5000K 47x44	89601422	5,000K	4 SDCM	2,400 lm	28 V	1,050 mA (1,400 max)	-
LED P330-3 EM 3000K 47x44	89601195	3,000 K	4 SDCM	2,050 lm	28 V	1,050 mA (1,400 max)	2 (150 lm)
LED P330-3 EM 4000K 47x44	89601196	4,000K	4 SDCM	2,250 lm	28 V	1,050 mA (1,400 max)	2 (170 lm)

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

Suitable TALEXconverter:

TALEXmodule SPOT	Art. no.	TALEXconverter REMOTE with dimming function		TALEXconverter REMOTE without dimming function	
		LCAI 50 W 1050 mA one4all Art. no. 86459247*	LCAI 55 W 1400 mA one4all Art. no. 86459248*	LCAI 50 W 1050 mA Art. no. 86459218	LCAI 55 W 1400 mA Art. no. 86459219
LED P330-3 3000K 47x44	89601419	▼	▼	▼	▼
LED P330-3 3500K 47x44	89601420	▼	▼	▼	▼
LED P330-3 4000K 47x44	89601421	▼	▼	▼	▼
LED P330-3 5000K 47x44	89601422	▼	▼	▼	▼
LED P330-3 EM 3000K 47x44	89601195	▼	▼	▼	▼
LED P330-3 EM 4000K 47x44	89601196	▼	▼	▼	▼

*available in autumn of 2012

TALEXmodule SPOT	Art. no.	TALEXconverter IN-BUILT with dimming function		TALEXconverter IN-BUILT without dimming function		EM powerLED 1-4W**
		LCAI 50 W 1050 mA one4all Art. no. 86459245*	LCAI 55 W 1400 mA one4all Art. no. 86459246*	LCAI 50 W 1050 mA Art. no. 86459216	LCAI 55 W 1400 mA Art. no. 86459217	
LED P330-3 3000K 47x44	89601419	▼	▼	▼	▼	
LED P330-3 3500K 47x44	89601420	▼	▼	▼	▼	
LED P330-3 4000K 47x44	89601421	▼	▼	▼	▼	
LED P330-3 5000K 47x44	89601422	▼	▼	▼	▼	
LED P330-3 EM 3000K 47x44	89601195	▼	▼	▼	▼	▼
LED P330-3 EM 4000K 47x44	89601196	▼	▼	▼	▼	▼

*available in autumn of 2012, **technical details for this product can be found in our catalogue, in the brochure for emergency lighting units or on the data sheets (available to download from www.tridonic.com).

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

TALEXmodule SPOT P340

TALEXmodule SPOT P340-3 and TALEXmodule SPOT P340-3 EM are available in the following versions:

Type	Art. no.	Colour temperature	MacAdam	Typ. luminous flux*	Forward voltage*	Forward current*	No. of EM LEDs
LED P340-3 3000K 55x48	89601423	3,000 K	4 SDCM	2,700 lm	38 V	1,050 mA (1,400 max)	-
LED P340-3 3500K 55x48	89601424	3,500 K	4 SDCM	2,700 lm	38 V	1,050 mA (1,400 max)	-
LED P340-3 4000K 55x48	89601425	4,000 K	4 SDCM	3,000 lm	38 V	1,050 mA (1,400 max)	-
LED P340-3 5000K 55x48	89601426	5,000 K	4 SDCM	3,450 lm	38 V	1,050 mA (1,400 max)	-
LED P340-3 EM 3000K 55x48	89601435	3,000 K	4 SDCM	2,700 lm	38 V	1,050 mA (1,400 max)	4 (300 lm)
LED P340-3 EM 4000K 55x48	89601436	4,000 K	4 SDCM	3,000 lm	38 V	1,050 mA (1,400 max)	4 (340 lm)

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

Suitable TALEXconverter:

TALEXmodule SPOT	Art. no.	TALEXconverter REMOTE with dimming function		TALEXconverter REMOTE without dimming function	
		LCAI 50 W 1050 mA one4all Art. no. 86459247*	LCAI 55 W 1400 mA one4all Art. no. 86459248*	LCI 50 W 1050 mA Art. no. 86459218	LCI 55 W 1400 mA Art. no. 86459219
LED P340-3 3000K 55x48	89601423	▼	▼	▼	▼
LED P340-3 3500K 55x48	89601424	▼	▼	▼	▼
LED P340-3 4000K 55x48	89601425	▼	▼	▼	▼
LED P340-3 5000K 55x48	89601426	▼	▼	▼	▼
LED P340-3 EM 3000K 55x48	89601435	▼	▼	▼	▼
LED P340-3 EM 4000K 55x48	89601436	▼	▼	▼	▼

*available in autumn of 2012

TALEXmodule SPOT	Art. no.	TALEXconverter IN-BUILT with dimming function		TALEXconverter IN-BUILT without dimming function		EM powerLED 1-4W**
		LCAI 50 W 1050 mA one4all Art.-Nr. 86459245*	LCAI 55 W 1400 mA one4all Art.-Nr. 86459246*	LCI 50 W 1050 mA Art.-Nr. 86459216	LCI 55 W 1400 mA Art.-Nr. 86459217	
LED P340-3 3000K 55x48	89601423	▼	▼	▼	▼	
LED P340-3 3500K 55x48	89601424	▼	▼	▼	▼	
LED P340-3 4000K 55x48	89601425	▼	▼	▼	▼	
LED P340-3 5000K 55x48	89601426	▼	▼	▼	▼	
LED P340-3 EM 3000K 55x48	89601435	▼	▼	▼	▼	▼
LED P340-3 EM 4000K 55x48	89601436	▼	▼	▼	▼	▼

*available in autumn of 2012, **technical details for this product can be found in our catalogue, in the brochure for emergency lighting units or on the data sheets (available to download from www.tridonic.com).

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

TALEXmodule SPOT P350

TALEXmodule SPOT P350-3 and TALEXmodule SPOT P350-3 EM are available in the following versions:

Type	Art. no.	Colour temperature	MacAdam	Typ. luminous flux*	Forward voltage*	Forward current*	No. of EM LEDs
LED P350-3 3000K 55x48	89601427	3,000 K	4 SDCM	3,600 lm	38 V	1,400 mA (1,750 max)	-
LED P350-3 3500K 55x48	89601428	3,500 K	4 SDCM	3,610 lm	38 V	1,400 mA (1,750 max)	-
LED P350-3 4000K 55x48	89601429	4,000K	4 SDCM	4,100 lm	38 V	1,400 mA (1,750 max)	-
LED P350-3 5000K 55x48	89601430	5,000K	4 SDCM	5,300 lm	38 V	1,400 mA (1,750 max)	-
LED P350-3 EM 3000K 55x48	89601437	3,000 K	4 SDCM	3,600 lm	38 V	1,400 mA (1,750 max)	4 (300 lm)
LED P350-3 EM 4000K 55x48	89601438	4,000K	4 SDCM	4,100 lm	38 V	1,400 mA (1,750 max)	4 (340 lm)

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

Suitable TALEXconverter:

TALEXmodule SPOT	Art. no.	TALEXconverter REMOTE with dimming function LCAI 55 W 1400 mA one4all Art. no. 86459248*	TALEXconverter REMOTE without dimming function LCI 55 W 1400 mA Art. no. 86459219
LED P350-3 3000K 55x48	89601427	▼	▼
LED P350-3 3500K 55x48	89601428	▼	▼
LED P350-3 4000K 55x48	89601429	▼	▼
LED P350-3 5000K 55x48	89601430	▼	▼
LED P350-3 EM 3000K 55x48	89601437	▼	▼
LED P350-3 EM 4000K 55x48	89601438	▼	▼

*available in autumn of 2012

TALEXmodule SPOT	Art. no.	TALEXconverter IN-BUILT with dimming function LCAI 55 W 1400 mA one4all Art. no. 86459246*	TALEXconverter IN-BUILT without dimming function LCI 55 W 1400 mA Art. no. 86459217	EM powerLED 1-4W**
LED P350-3 3000K 55x48	89601427	▼	▼	
LED P350-3 3500K 55x48	89601428	▼	▼	
LED P350-3 4000K 55x48	89601429	▼	▼	
LED P350-3 5000K 55x48	89601430	▼	▼	
LED P350-3 EM 3000K 55x48	89601437	▼	▼	▼
LED P350-3 EM 4000K 55x48	89601438	▼	▼	▼

*available in autumn of 2012, **technical details for this product can be found in our catalogue, in the brochure for emergency lighting units or on the data sheets (available to download from www.tridonic.com).

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

Matching accessories

We offer you system solutions – in other words matching products from a single source. With regard to controllers, Tridonic offers a comprehensive range of DALI-compatible products. All the devices specified here support DALI Device Type 6 and therefore guarantee effective use of TALEX(module SPOT).

Product name	Article number
DALI M-Sensor	86458265
DALI SC	24034263
DALI MC	86458507
DALI Touchpanel	24035465
x-touchBOX	24138954
x-touchPANEL	24138990
DALI PS	24033444
DALI USB	24138923

► For more information and technical data on the entire TALEX product portfolio go to led.tridonic.com/talexx.

Housing

Suitable housings (TALEX(accessory COVER SPOT)) are available for the product range.

TALEX(module SPOT)	TALEX(accessory COVER SPOT)	Article number
P310-3	LED cover white D50 mm LES 19 mm	88167487
P320-3	LED cover white D50 mm LES 19 mm	88167487
P330-3	LED cover white D50 mm LES 23 mm	88167489
P340-3	LED cover white D65 mm LES 30 mm	88167488
P350-3	LED cover white D65 mm LES 30 mm	88167488

TALEX(module SPOT EM)	TALEX(accessory COVER SPOT)	Article number
P310-3 EM	LED cover white D50 mm LES 19 mm	88167487
P320-3 EM	LED cover white D50 mm LES 23 mm	88167489
P330-3 EM	LED cover white D50 mm LES 23 mm	88167489
P340-3 EM	LED cover white D65 mm LES 30 mm	88167488
P350-3 EM	LED cover white D65 mm LES 30 mm	88167488



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

Tridonic partners

We source heat sinks with active and passive cooling, reflector solutions suitable for TALEXmodule SPOT and heat-conducting foil and pastes from reliable partners.

For detailed information on our partners, we refer to the TALEXmodule SPOT product pages on our homepage, "Downloads section".

A list of all partners can be found in the technical Design-in Guide for TALEXengine STARK SLE system solutions. The document can be downloaded at www.tridonic.com.

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