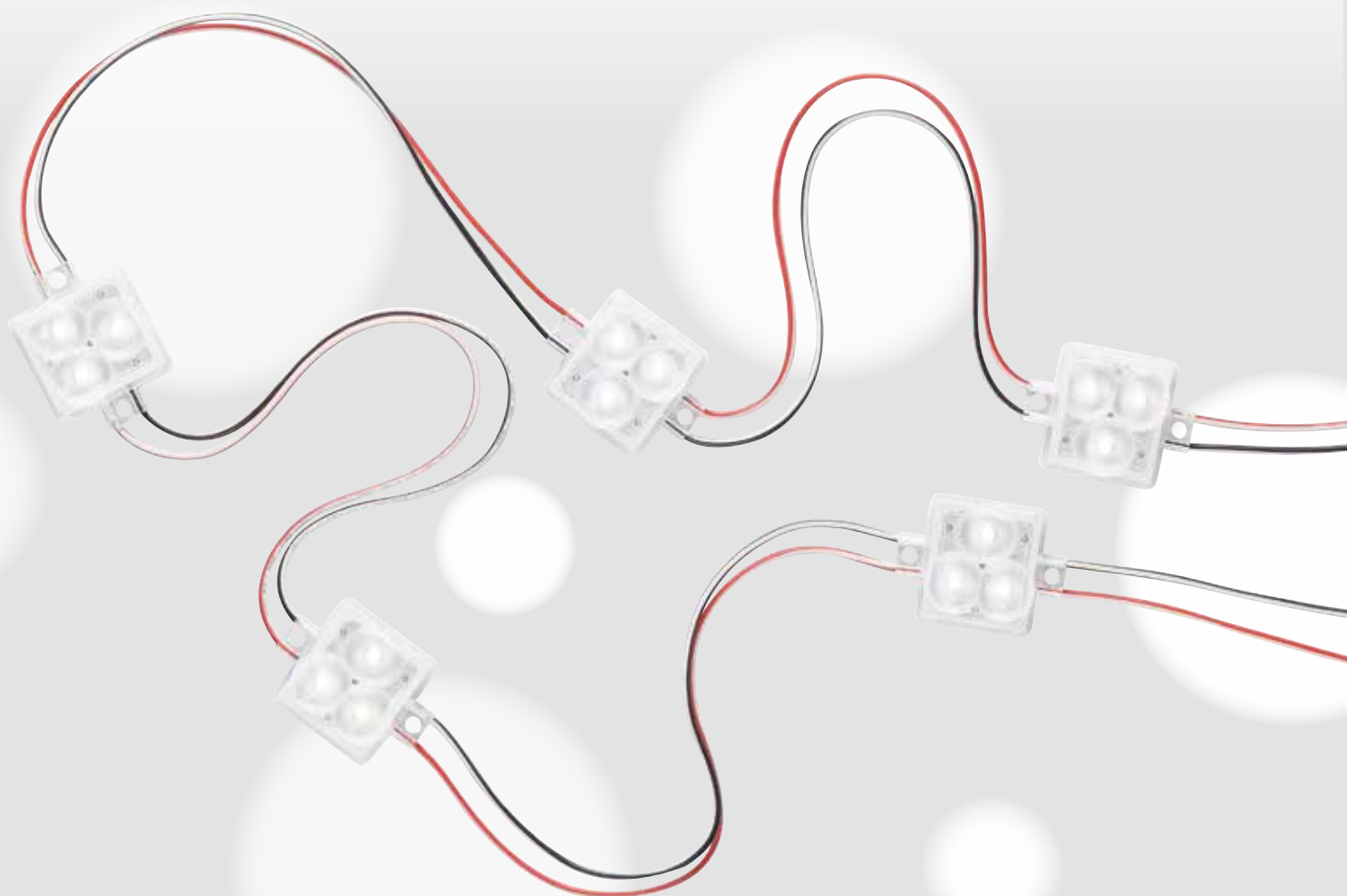


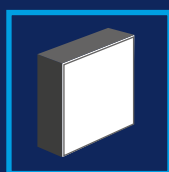
CLASSIC, SELECT & PREMIUM update



Letter standard



Letter mini



Lightbox standard



Lightbox slim



Light contour

Higher uniformity, fewer modules – 155° distribution characteristics

Due to the unique lens with 155° distribution characteristics, a small number of modules is sufficient to provide absolutely uniform illumination. White surfaces are as pure and uniform as never before. These LED chains are also perfectly suitable for special effects such as corona, halo or 3D.

- ___ Perfectly uniform illumination
- ___ Low material and installation costs

Maximum efficiency – as high as 118 lm/W

Owing to the use of high performance LED chip technology, the energy required for each module could be reduced significantly, while maintaining a constant level of brightness. This means that more LED modules can be operated per LED Driver, which, from an overall system perspective, significantly reduces LED Driver costs and, above all, also installation costs.

- ___ Reduced energy consumption
- ___ Fewer LED Driver
- ___ Low material and installation costs

Compact, robust modules – IP68

Thanks to IP68 rating combined with high-quality materials, the electronic components and, especially, the LEDs' phosphor are reliably protected against environmental impact. Owing to their compact design, the modules can also be used in small-scale signage installations.

- ___ High-quality materials
- ___ Compact design

Maximum flexibility

Perfect installation without annoying cables: TALEXchain CRYSTAL CLASSIC, SELECT and PREMIUM chains are available with various module spacings, and for large-scale projects with a specific number of modules per chain upon customer request, in order to keep installation costs as low as possible. As the CLASSIC and SELECT modules have the same size, it is also possible to adjust signage brightness to customer's needs – without changing the layout or LED placement.

- ___ Low installation costs
- ___ Varying brightness levels at unchanged LED placement



TALEXchain CRYSTAL P540 / P550

Tight white light tolerance – MacAdam 3

The human eye notices even the smallest differences in light colour. In order to make sure that the individual letters and signage systems are matched perfectly, a very tight white light tolerance of the LED modules and LED chains is required. As one of few manufacturers, and maybe even the only one, Tridonic guarantees MacAdam 3 white light tolerance for TALEXchain CRYSTAL chains, which makes the modules perfect for general lighting applications as well.

- ___ Uniformly brilliant light colour
- ___ Perfect advertising effect
- ___ No colour difference after replacement

5-year guarantee

Thanks to the 5-year guarantee for TALEXchain CRYSTAL products, customers are always on the safe side. Even at temperatures in signage installations as high as 55 °C, a service life of 80,000 hours can be assumed. The robust TALEXchain CRYSTAL modules help to avoid failures, high replacement costs and reductions in light output.

- ___ High reliability
- ___ No consequential costs, no reputational damage



TALEXchain CRYSTAL P560

TALEXchain CRYSTAL CLASSIC, SELECT & PREMIUM update



TALEXchain CRYSTAL P540 / P550

▼ At a glance

- ___ 155 ° distribution characteristics:
uniform light distribution using fewer modules
- ___ MacAdam 3: unique, small white light tolerance
- ___ Maximum module efficiency of up to 118lm/W
- ___ Compact, rugged modules with IP68 protection
- ___ Maximum flexibility
- ___ 5-year guarantee
- ___ Matching LED Driver with IP20 and
IP67 protection, 10W to 150W
- ___ Dimmable by TALEXcontrol LNU PWM dimmer

Technical features	PREMIUM		SELECT	CLASSIC
	Standard	X		
Luminous flux ¹⁾	103lm	150lm	45lm	24lm
Luminous efficiency ¹⁾	≥ 114lm/W	≥ 108lm/W	≥ 118lm/W	≥ 85lm/W
Output per module ¹⁾	0.90W	1.38W	0.38W	0.28W
Distribution characteristics	155 °	155 °	155 °	155 °
Light colours ²⁾	CW (7,500K)	CW (7,500K)	CW (7,500K) DL (6,500K) NW (4,200K) WW (3,000K)	CW (7,500K) DL (6,500K) B (455–460nm)
White light tolerance	MacAdam 3	MacAdam 3	MacAdam 3	MacAdam 5
Protection rating	IP68	IP68	IP68	IP68
Number of modules per chain	48	50	100	50
Spacing between modules	150mm, 200mm	300mm	150mm, 200mm	100mm, 150mm
Ambient temperature <i>t_a</i>	–30 ... +55 °C	–30 ... +55 °C	–30 ... +55 °C	–30 ... +55 °C
Storage temperature <i>t_s</i>	–30 ... +85 °C	–30 ... +85 °C	–30 ... +85 °C	–30 ... +85 °C
Guarantee	5 years	5 years	5 years	5 years
Service life at <i>t_a</i> 55°C to be expected	80,000 hours	80,000 hours	80,000 hours	80,000 hours
Adhesive tape	3M VHB 5925	3M VHB 5925	3M VHB 5925	3M VHB 5925
Perfect mounting depths	≥ 15 cm	≥ 15 cm	≥ 10 cm	≥ 7 cm

¹⁾ Light colour DL (6,500 K): For detailed information please refer to the relevant data sheet at: www.tridonic.com

²⁾ Light colour indicated for information purposes. For detailed information please refer to the relevant data sheet at: www.tridonic.com

TALEXchain CRYSTAL CLASSIC, SELECT & PREMIUM update

TALEXchain CRYSTAL PREMIUM ¹⁾	Order No.	Luminous flux per module	Light colour	Colour temperature ²⁾	Spacing between modules
LEDV P560-PRE CW 12 150 48 68 B	22176629	100lm	Crystal white (CW)	7,500 K	150 mm
LEDV P560-PRE CW 12 200 48 68 B	22176630	100lm	Crystal white (CW)	7,500 K	200 mm
LED P560-PRE CW 12 300 50 68 B X	28000335	145lm	Crystal white (CW)	7,500 K	300 mm

TALEXchain CRYSTAL SELECT ¹⁾	Order No.	Luminous flux per module	Light colour	Colour temperature ²⁾	Spacing between modules
LEDV P550-SEL CW 12 150 100 68 B	22176611	45lm	Crystal white (CW)	7,500 K	150 mm
LEDV P550-SEL CW 12 200 100 68 B	22176600	45lm	Crystal white (CW)	7,500 K	200 mm
LEDV P550-SEL DL 12 150 100 68 B	22176612	45lm	Daylight white (DL)	6,500 K	150 mm
LEDV P550-SEL DL 12 200 100 68 B	22176673	45lm	Daylight white (DL)	6,500 K	200 mm

TALEXchain CRYSTAL CLASSIC ¹⁾	Order No.	Luminous flux per module	Light colour	Colour temperature ²⁾	Spacing between modules
LEDV P540-CLA CW 12 100 50 68 B	22176644	24lm	Crystal white (CW)	7,500 K	100 mm
LEDV P540-CLA CW 12 150 50 68 B	22176647	24lm	Crystal white (CW)	7,500 K	150 mm
LEDV P540-CLA DL 12 100 50 68 B	22176645	24lm	Daylight white (DL)	6,500 K	100 mm
LEDV P540-CLA DL 12 150 50 68 B	22176648	24lm	Daylight white (DL)	6,500 K	150 mm
LEDV P540-CLA GW 12 150 50 68 B	22176545	13lm	Gold white (GW)	2,700 K	150 mm
LEDV P540-CLA B 12 150 50 68 B	22176699	3lm	Blue (B)	455 – 460 nm	150 mm

¹⁾ For additional chain models, please refer to the relevant data sheet at: www.tridonic.com

²⁾ Light colour indicated for information purposes only. For detailed information please refer to the relevant data sheet at: www.tridonic.com

Support and advice from a single source

We will help you to create messages out of light that are unbeatable in terms of economy and functionality.



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Light you want to follow.

