

TALEXsystem ESSENCE

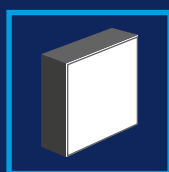
TALEXchain P531 & TALEXdriver LC IP66 slim



Letter standard



Letter mini



Lightbox standard



Lightbox slim



Light contour

Fewer modules for uniform illumination

TALEXchain P531 ESSENCE modules are equipped with three light points. Each of these light points has its own lens which enable the module to provide exceptionally uniform illumination for signage applications. Thanks to the lenses the number of modules can be drastically reduced compared to LED modules without lenses. Another benefit is that the small modules with 155° wide-angle light points produce their optimum effect already at a mounting depth of only 4 cm or more.

- ___ Perfectly uniform illumination
- ___ Small mounting depth
- ___ Low material and assembly costs



TALEXchain P531 ESSENCE

Small robust modules – IP68

IP68 design and high-quality materials reliably protect the electronic components and in particular the phosphor of the light emitting diodes against environmental factors. Thanks to their small design the modules can be installed even in small applications.

- ___ High-quality materials
- ___ Small modules

Narrow white light tolerance – MacAdam 5

The human eye can detect the smallest differences in light colours. To ensure that the individual letters and signs are perfectly uniform the LED modules and LED chains must exhibit a very narrow white light tolerance. Tridonic is one of only a few manufacturers who can guarantee a MacAdam 5 white light tolerance for its TALEXchain ESSENCE products and is constantly striving to improve the quality of the white light still further.

- ___ Brilliant uniform light colour
- ___ Perfect signage effect
- ___ No colour difference after replacement

3 year warranty

With a 3-year warranty on TALEXchain ESSENCE products, Tridonic guarantees a life-time of up to 30,000 hours – even at high ambient temperatures of up to 50°C. Thanks to the robustness of Tridonic’s TALEXchain ESSENCE modules, equipment failure, high replacement costs and loss of light output can be avoided.

- ___ High reliability
- ___ No consequential costs, no loss of advertising impact

Technical property	P531	
Luminous flux per module ¹⁾	31 lm	60 lm
Power per module	0.34 W	0.70 W
Luminous efficacy	92 lm/W	86 lm/W
Distance between modules	150 mm	200 mm
Beam characteristic	155°	
Light colour ²⁾	Daylight white (6,500 K)	
Colour rendering index	> CRI 80	
White light tolerance	MacAdam 5	
Type of protection	IP68	
Number of modules per chain	100	
Ambient temperature t _a	-25 ... +50°C	
Storage temperature t _s	-40 ... +85°C	
Guarantee	3 years	
Expected life-time at t _a 60°C	≥ 30,000 h	
Can depth	≥ 40 mm	

¹⁾ Luminous flux for light colour DL (6,500 K)

²⁾ Colour temperature for information only. Detailed information see data sheet.

TALEXdriver LC IP66 slim ESSENCE

European EMC lighting compliant

Electrical equipment such as a luminaire or sign must not affect other equipment by emitting interference (emission). In addition, the electrical equipment must work properly in a defined electromagnetic environment (immunity). Electrical equipment such as a luminaire or sign must meet statutory EMC requirements in Europe, Australia and China.

Tridonic's TALEXdriver LC IP66 slim ESSENCE units comply with the relevant EMC directives, especially EN 61000-3-2 Class C, as a subsidiary standard in the EMC directive.*

___ [Required by law in Europe, Australia and China](#)

Short-circuit / overload / overtemperature protection

To prevent potential hazards, especially fires, TALEXdriver LC IP66 slim ESSENCE units cut the output power as soon as they detect a short-circuit at the output LEDs. In addition, overload and overtemperature circuits inside TALEXdriver LC IP66 slim ESSENCE prevent damage to the luminaire or sign.

___ [Safety related item](#)

SELV (Safety Extra Low Voltage)

TALEXdriver LC IP66 slim ESSENCE units are SELV devices which means that under normal conditions and single fault conditions the voltage limits at the output of the LED Drivers are limited in order to prevent a hazardous electric shock.

___ [Safety related item](#)

3 year guarantee

Tridonic offers a 3 year guarantee for these TALEXdriver LC ESSENCE units. Even at an increased ambient temperature of 50°C TALEXdriver LC ESSENCE units have an expected life-time of at least 30,000 hours. Please note that the ambient temperature has a significant impact on the expected life-time of a LED Driver.

For detailed information on lifetime and ambient temperature please check the appropriate data sheet.*

___ [Reliability / cost of ownership related item](#)



TALEXdriver LC 60W 12V IP66 slim



TALEXdriver LC 100W 12V IP66 slim

Technical property	TALEXdriver LC IP66 slim SNC
IP protection	IP66
Available output voltage	12V DC and 24V DC
Guarantee	3 years
Life-time	30,000h at ta 50°C
Rated input voltage	220–240V AC 50/60 Hz
Output power	60W in 12 and 24V DC 100W in 12 and 24V DC
Output tolerance	12V types: –0 % / +10 % 24V types: –5 % / +5 %
Temperature range	–25°C ... +50°C
Storage temperature range	–25°C ... +85°C
Connection cable length	300mm
SELV	Yes
EMC compliant	yes / EN 61000-3-2 Class C 70–100 % load range
Protection class	Class II
Short circuit / over load / over temperature protection	Yes
Certificates	CE, ENEC, CCC
Housing material	Metall
Available	05/2015

*Detailed information can be found in the appropriate data sheet at:
<http://www.tridonic.com/com/en/products/talexx-led-constant-voltage-converters.asp>

TALEXchain P531 ESSENCE & TALEXdriver LC IP66 slim ESSENCE

These ESSENCE products are the first choice for cost-conscious customers looking for high-quality products with a 3 year guarantee.

TALEXdriver LC IP66 slim ESSENCE constant voltage drivers in 12V are the perfect fit for TALEXchain P531 ESSENCE. These products are ideally matched in terms of their features, such as life-time and temperature range

TALEXchain P531 ESSENCE	Order No.	Luminous flux per module	Light colour	Colour temperature ¹⁾	Spacing between modules
P531 G1 DL 31lm 150mm 100 68 SNC	87500374	31 lm	Daylight white (DL)	6,500K	150mm
P531 G1 DL 60lm 200mm 100 68 SNC	87500375	60lm	Daylight white (DL)	6,500K	200mm

¹⁾ Colour temperature for information only. Detailed information see data sheet.

TALEXdriver LC IP66 slim ESSENCE	Order No.	Protection class	U _{out}	P _{out}
LC 60W 12V IP66 slim SNC	28001026	IP66	12V DC	6–60W
LC 100W 12V IP66 slim SNC	28001027	IP66	12V DC	10–100W
LC 60W 24V IP66 slim SNC	28001028	IP66	24V DC	6–60W
LC 100W 24V IP66 slim SNC	28001029	IP66	24V DC	10–100W

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.

