

TALEX LED

TALEX converter TOP



Spotlights



Downlights



Linear



Wide Area



Floor | Wall



Free Standing



Decorative



High Bay



A clever move

The situation is perfect. Whatever strategy you are following, the new series of TALEX LED converters will give you a significant advantage. Tridonic offers the right LED converters for any application and any requirement. And the best thing is that despite the rapid pace of development in LED modules you will be ideally prepared for the future with TALEX LED converters. With Tridonic you are making the right move.



Portfolio		Dimming		Fixed Output	
		ECO Leader in efficiency and versatility	BASIC Economic dimming convenience	TOP Optimum performance and high flexibility	TEC Reliable and straightforward
Dimming	Dimming method	Amplitude & PWM	Amplitude only		
	PWM frequency	500 Hz			
	Dimming range	1–100 %	10–100 %		
	DALI DT6 / DSI	yes			
	switchDIM / corridorFUNCTION	yes			
	Phase-cut dimming		yes		
DC operation	Supporting EN 50172	yes		yes	
	DC level fixed			yes	
	DC level adjustable	yes			
Output current	Adjustable	yes		yes	
	Via resistor or plug (I-Select)	yes		yes	
	Via DALI	yes			
	Current resolution	1/25/50 mA ^①		25/50 mA ^①	
	Current tolerances	+/- 3 %	+/- 7.5 %	+/- 5 %	+/- 7.5 %
Functions & Performance	Constant light output over lifetime	yes			
	Intelligent Temperature Guard	yes	yes	yes	yes
	Intelligent Temperature Management	yes		yes ^②	
	Standby losses	< 0.2 W			
	Input voltage range	220–240 V	220–240 V	220–240 V	220–240 V
	Lifetime up to	100,000 h	50,000 h	100,000 h	50,000 h
	Failure rate	0.1 % / 1,000 h	0.2 % / 1,000 h	0.1 % / 1,000 h	0.2 % / 1,000 h
	Operating temperature range	-25 °C up to +65 °C ^③	-25 °C up to +50 °C	-25 °C up to +65 °C ^③	-20 °C up to +50 °C
	Warranty	5 years	5 years	5 years	5 years

^① Depending on the output current range and setting method (I-Select or DALI)

^② For control gears with 35 W and more

^③ Varies with the selected output power, detailed values can be found in datasheet

Further functions

- ___ Install in vertical or horizontal direction (Built-in and low profile version)
- ___ Totally screw- and tool-free installation of strain reliefs and terminal covers (independent version)
- ___ Fully SELV compliant

Secure design-in thanks to

- ___ Overload protection with output current reduction
- ___ Over temperature protection with automatic shutdown and restore
- ___ Short circuit protection with automatic restart
- ___ No load protection, change into constant voltage mode

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

TALEXconverter LCI TOP**Optimum performance and high flexibility**

If you are looking for maximum reliability with a high degree of flexibility then the TOP series of TALEXconverter are your obvious choice. We have applied all our expertise in electronic control gear to the development of this new range of LED converters. The result is a collection of innovative devices with tailor-made functionality including adjustable output current and thermal monitoring – cleverly designed right down to the last detail and very reliable.

The TOP series of TALEXconverter offers an excellent choice of different versions. They cover the operation of a large number of LED modules for your luminaires. They are ideal in particular for TALEXmodule in the STARK SLE and DLE series. We offer the complete LED light engine from a single source.

▼ At a glance: TALEXconverter

- ___ Recessed and surface-mounted casings for all standard converter types
- ___ Certification: CE/ENEC/RCM/CQC¹⁾
- ___ Adjustable output current through resistor with low output current tolerance
- ___ Thermal monitoring of the LED module possible via external sensor
- ___ Suitable for emergency lighting systems with central battery according to EN 50172
- ___ Surface-mounted casing with loop-through capability for power connections
- ___ Lifetime up to 100,000 h at high ambient temperature of up to +60 °C

¹⁾ in preparation



TALEXconverter TOP Built-In

Designation	Output current	Output power ¹⁾	Output voltage range ¹⁾	Input voltage	Size	Order No.
LCI 10W 150mA-400mA TOP C	150 mA–400 mA	10 W	< 60 V	220~240 V	105 x 70 x 28.3 mm	28000189
LCI 10W 350mA-900mA TOP C	350 mA–900 mA	10 W	< 60 V	220~240 V	105 x 70 x 28.3 mm	28000190
LCI 20W 350mA-900mA TOP C	350 mA–900 mA	20 W	< 60 V	220~240 V	105 x 70 x 28.3 mm	28000191
LCI 35W 350mA-900mA TOP C	350 mA–900 mA	35 W	< 120 V	220~240 V	120 x 70 x 28.3 mm	28000193
LCI 35W 900mA-1750mA TOP C	900 mA–1,750 mA	35 W	< 60 V	220~240 V	120 x 70 x 28.3 mm	28000195
LCI 55W 900mA-1750mA TOP C	900 mA–1,750 mA	55 W	< 60 V	220~240 V	120 x 70 x 28.3 mm	28000199
LCI 100W 900mA-1750mA TOP C	900 mA–1,750 mA	100 W	< 120 V	220~240 V	140 x 100 x 30 mm	28000203

¹⁾ Depending on the selected output current. Further details can be found in datasheet.



TALEXconverter TOP Independent

Designation	Output current	Output power ¹⁾	Output voltage range ¹⁾	Input voltage	Size	Order No.
LCI 20W 350mA-900mA TOP SR	350 mA–900 mA	20 W	< 60 V	220~240 V	200 x 70 x 31 mm	28000192
LCI 35W 350mA-900mA TOP SR	350 mA–900 mA	35 W	< 120 V	220~240 V	220 x 85 x 31 mm	28000194
LCI 35W 900mA-1750mA TOP SR	900 mA–1,750 mA	35 W	< 60 V	220~240 V	220 x 85 x 31 mm	28000196
LCI 55W 900mA-1750mA TOP SR	900 mA–1,750 mA	55 W	< 60 V	220~240 V	220 x 85 x 31 mm	28000200
LCI 100W 900mA-1750mA TOP SR	900 mA–1,750 mA	100 W	< 120 V	220~240 V	235 x 100 x 31 mm	28000204

¹⁾ Depending on the selected output current. Further details can be found in datasheet.



TALEXconverter TOP Ip

Designation	Output current	Output power ¹⁾	Output voltage range ¹⁾	Input voltage	Size	Order No.
LCI 20W 150mA-400mA TOP Ip	150 mA–400 mA	20 W	< 60 V	220~240 V	280 x 30 x 21 mm	28000205
LCI 35W 150mA-400mA TOP Ip	150 mA–400 mA	35 W	< 250 V	220~240 V	280 x 30 x 21 mm	28000839
LCI 65W 150mA-400mA TOP Ip	150 mA–400 mA	65 W	< 250 V	220~240 V	280 x 30 x 21 mm	28000840
LCI 35W 350mA-900mA TOP Ip	350 mA–900 mA	35 W	< 60 V	220~240 V	360 x 30 x 21 mm	28000439
LCI 35W 900mA-1750mA TOP Ip	900 mA–1,750 mA	35 W	< 60 V	220~240 V	360 x 30 x 21 mm	28000440
LCI 65W 900mA-1750mA TOP Ip	900 mA–1,750 mA	65 W	< 60 V	220~240 V	360 x 30 x 21 mm	28000444

¹⁾ Depending on the selected output current. Further details can be found in datasheet.

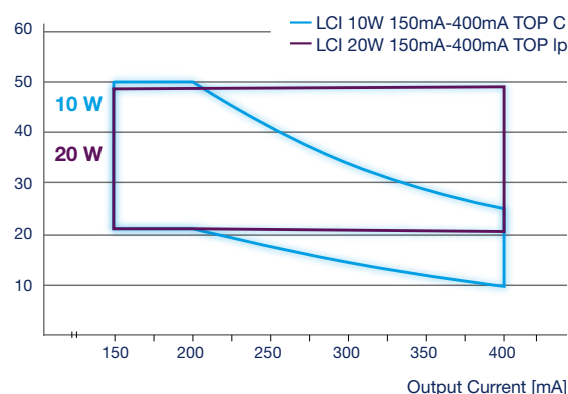
Operating window TALEXconverter TOP

The diagrams show the forward voltage ranges as a function of the output current. The output current can be set via DALI in 1 mA steps or in the hardware via the I-Select resistor in 25 mA¹⁾ or 50 mA²⁾ steps. The values shown are guide values only; detailed values are given in the data sheets.

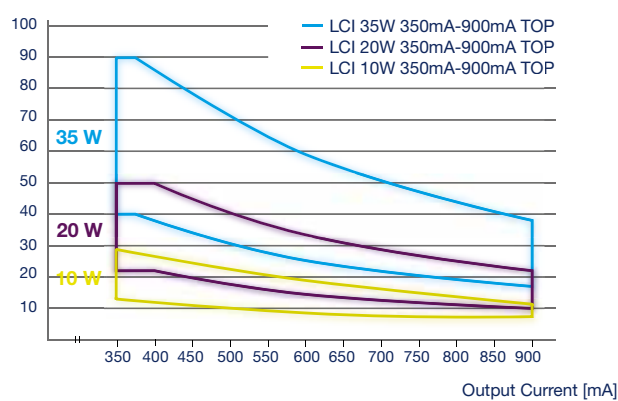
¹⁾for converters with 150 mA - 400 mA

²⁾for converters with 350 mA - 900 mA output current range or with 900 mA - 1750 mA output current range

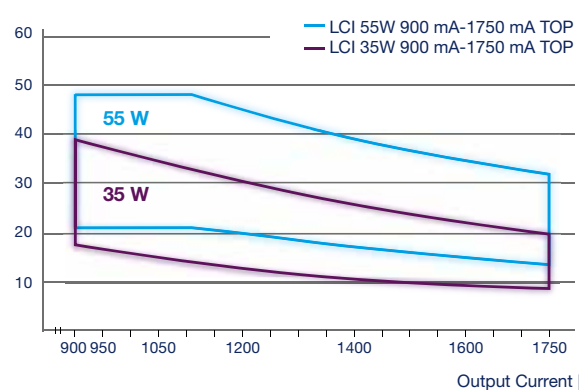
Output Voltage [V]



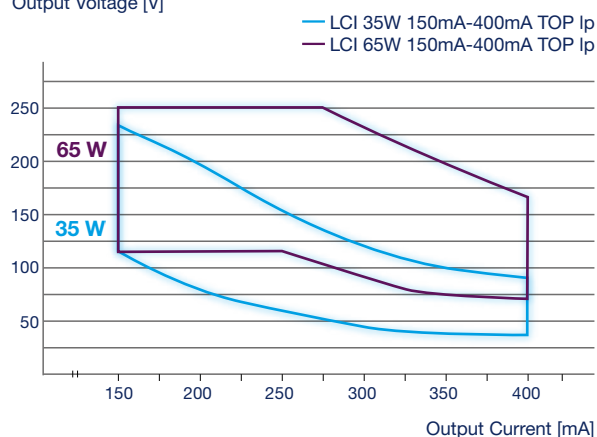
Output Voltage [V]



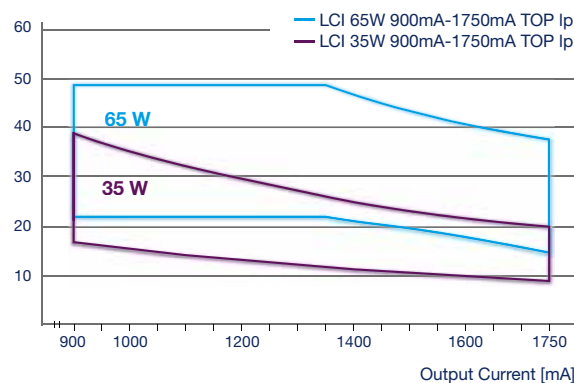
Output Voltage [V]



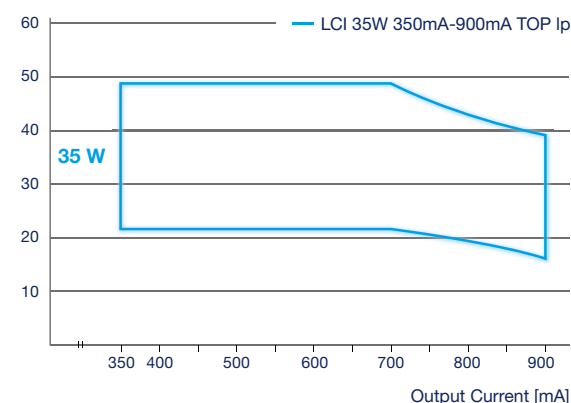
Output Voltage [V]



Output Voltage [V]



Output Voltage [V]



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 the slogan: We devote all our energy to your light.



TALEXengine
STARK DLE



TALEXengine
STARK SLE



TALEXengine
STARK FLE



TALEXengine
STARK CLE



TALEXengine
STARK LLE



TALEXengine
STARK INDI



TALEXengine
STARK QLE

As an international company, Tridonic is represented worldwide by 30 branch offices and partners in 73 countries.



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