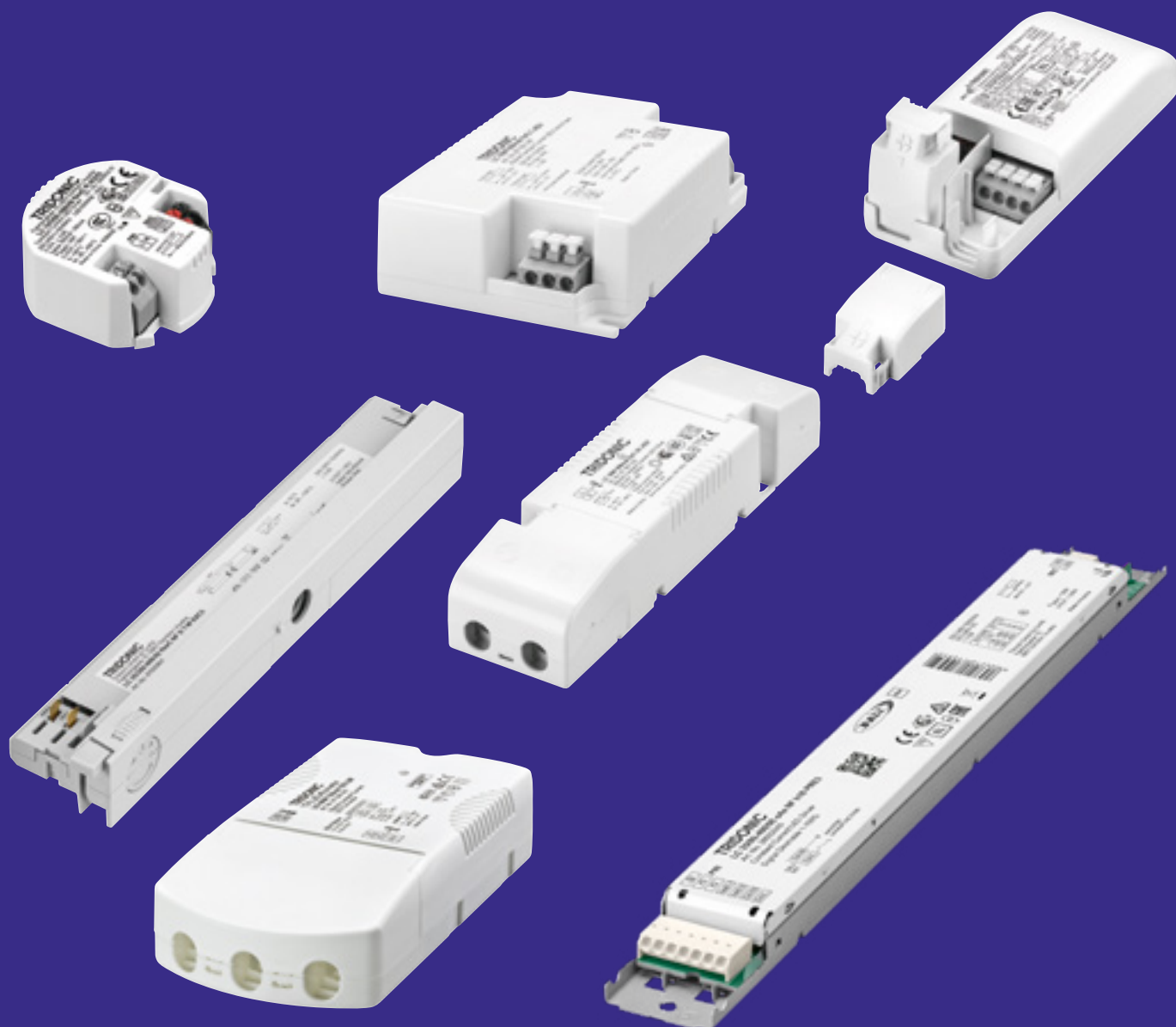


LED driver

Constant current and dimmable driver

premium (PRE), excite (EXC), advanced (ADV), essence (SNC) series

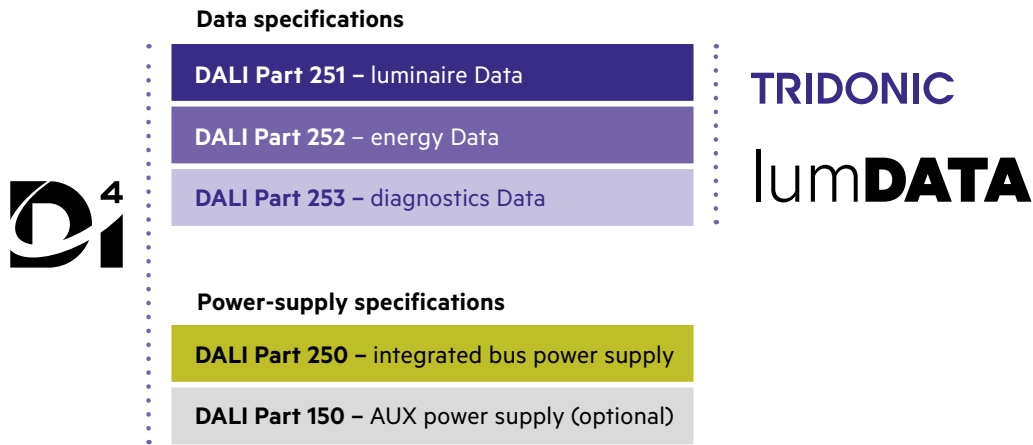


TRIDONIC

lumDATA for Tridonic drivers

Three DALI data specifications in one label

Tridonic uses lumDATA to refer to the latest DALI-2 specifications for the transmission of various types of data. For example, lighting-specific settings can be viewed via DALI-2 Part 251 and used for commissioning and managing the lighting system. DALI-2 Part 252 provides information about energy consumption, while DALI-2 Part 253 supplies essential data to enable faults to be quickly diagnosed and preventive maintenance work to be carried out.



lumDATA – the three data specifications

Features and possible uses

DALI-2 Part 251 luminaire data	DALI-2 Part 252 energy data	DALI-2 Part 252 diagnostic data
— OEM identification number — OEM GTIN — Luminaire port, power & voltage — Luminous flux — CCT & CRI — Light distribution — Luminaire colour The data can be imported during production. The data makes it possible to identify the luminaires during installation and operation and for asset management purposes. State-of-the-art automated commissioning will become possible using this data. The data allows facility managers to efficiently monitor and control the installed luminaires.	— Active power and energy Reports the power consumption of every luminaire in the entire installation. Energy consumption dashboards can be created using this energy data.	— LED driver information: Operating hours, switch-on counter, input voltage and frequency, temperature and output current. — DC (secondary) connector Information: Forward bias, switch-on counter LED module, operating hours LED module This data enables predictive maintenance, simplifies complaints management and makes fault identification easier in defective devices (e. g. overvoltage, overtemperature).

Applications and product portfolio

		premium series (PRE)	excite series (EXC)*	advanced series (ADV)	essence series (SNC)
		Convenient	Flexible	Simplicity itself	Cost-effective
		- Maximum comfort for your application - Digital networking and control - Colour temperature change (Tunable White)	- Maximum flexibility that pays off - Fascinating lighting mood - For challenging lighting tasks	- Easy design-in - High level of efficiency - Excellent light quality for high demands	- Specifications for particular applications - Focused on core functions - Proven Tridonic quality
Dimming	Dimming interface	bDW	bDW, one4all ¹⁾	Phase-cut up to 25 W ¹⁾	
	Dimming range (method)	1 - 100 % (AM)	1 - 100 % (AM)	1 - 100 % (AM) ¹⁾	
DC operation	Supporting EN 50172	yes	yes	yes***	
	DC level adjustable	yes	yes*/no		
Output current	Adjustable via resistor plug	yes (I-SELECT 2)	yes (I-SELECT 2)	ja (ADV Plug/I-SELECT 2)	
	Adjustable via ready2mains	yes	yes*/no		
	Adjustable via DALI	yes	yes*/no		
	Adjustable via companionSUITE	yes	yes		
	Current tolerances	± 3 %	± 5 %	± 7,5 %	± 7,5 %
Interfaces	one4all (DALI-2, DT6, switchDIM, corridorFUNCTION V2)	yes (Incl. DSI)	yes*/no	one4all **	
	NFC	yes	yes*/no		
Functions & Performance	Tunable White DT8	yes			
	Multichannel DT6	yes	yes*/no		
	Integrated low voltage supply	yes (po4a)			
	Configuration via companionSUITE	yes	yes	yes ¹⁾	
	Constant light output over lifetime (CLO)	yes	yes*/no		
	Intelligent Temperature Guard	yes	yes		
	Standby losses	< 0,15 W	< 0,4 W		
	Output current ripple (LF)	< ± 5 %	< ± 5 %	< ± 5 %	>15 W ± 30 %
	Form factors	C, SC, SR, Ip	C, SC, SR, Ip, T	C, SC, SR, Ip, R, T	C, SC, SR, Ip, T
	Operating temperature range	-25°C...+60°C ²⁾	-25°C...+60°C ^{2) 3)}	-20°C...+50°C ²⁾	-20°C...+50°C ²⁾
	Lifetime up to	100,000 h	100,000 h	50,000 h/ 100,000 h ¹⁾	30,000 h/50,000 h ¹⁾
	Guarantee	5 years	5 years	5 years ¹⁾	3 years/5 years ¹⁾

¹⁾ Only for certain variants.

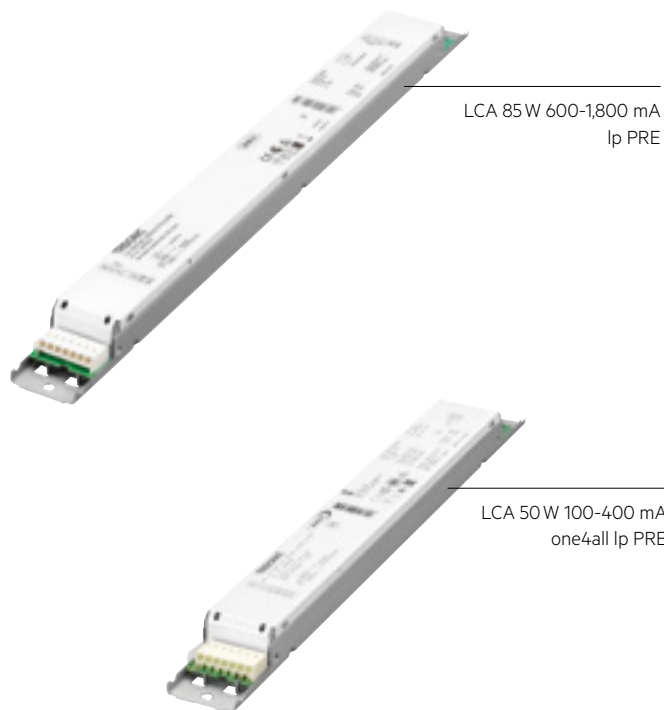
²⁾ Varies depending on the set output current. Detailed information can be found in the data sheet

³⁾ -20 ... +50 °C

*applies only for EXC3; **limited range; ***

Linear casing type (Ip), PRE

For area or linear luminaires



At a glance:

Driver PRE Linear Low Profile one4all non-SELV + SELV

- Dimmable Built-in constant current LED driver
- Adjustable output current via companionSUITE or I-SELECT 2 plugs
- Dimming range 1 – 100 %
- For luminaire of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-years guarantee

Tunable White- and Multi-channel driver

- Dimmable constant current LED driver
- Adjustable output current via companionSUITE or I-SELECT 2 plugs
- Up to 4 DALI addresses on one driver
- Dimming range 3 – 100 % (DT8); 1 – 100 % (DT6)
- Up to 90 % efficiency
- Nominal life-time up to 100,000 h
- 5-year guarantee

DALI dimmable driver PRE configurable via companionSUITE | Linear Low Profile

Type	Output current (mA)	Output voltage range (V)	Output power (W)	Input voltage (V _{ac})	lumDATA	Size (mm)	Order No.
SELV driver one4all Ip							
LC 35W/150-700/54 o4a NF Ip PRE3	150–700	20–54	35	220–240	yes	280 x 30 x 21	28003201
LC 50W/350-1050/50 o4a NF Ip PRE3	350–1,050	20–50	50	220–240	yes	360 x 30 x 21	28003202
LC 75W 900-1800/50 o4a NF Ip PRE3	900–1,800	20–50	75	220–240	yes	360 x 30 x 21	28003203
LCA 35W 150-700mA one4all Ip PRE	150–700	20–54	35	220–240	yes*	280 x 30 x 21	28000654
LCA 50W 350-1050mA one4all Ip PRE	350–1,050	20–50	50	220–240	yes*	360 x 30 x 21	28000656
LCA 75W 900-1800mA one4all Ip PRE	900–1,800	20–50	75	220–240	yes*	360 x 30 x 21	28000660
non-SELV driver one4all Ip							
LCA 50W 100-400mA one4all Ip PRE	100–400	50–140	50	220–240	yes*	280 x 30 x 21	28000655
LCA 75W 100-400mA one4all Ip PRE	100–400	110–220	75	220–240	yes*	280 x 30 x 21	28000657
LCA 75W 250-550mA one4all Ip PRE	250–550	80–150	75	220–240	yes*	280 x 30 x 21	28001250
LCA 75W 350-1050mA one4all Ip PRE	350–1,050	40–110	75	220–240	yes*	360 x 30 x 21	28000659
LCA 100W 250-700mA one4all Ip PRE	250–700	80–220	100	220–240	yes*	360 x 30 x 21	28000661
SELV driver Tunable White DALI DT8 Ip							
LCA 50W 350-1050mA DT8 Ip PRE	350–1,050	20–50	50	220–240	no	360 x 30 x 21	28001909
LCA 85W 600-1800mA DT8 Ip PRE	600–1,800	20–50	85	220–240	no	360 x 30 x 21	28002830
LCA 100W 350-1050mA 2xDT8 Ip PRE	350–1,050	20–50	100	220–240	no	360 x 40 x 21	28001911
SELV driver MULTI channel DT6 Ip							
LCA 50W 350-1050mA 2xCH Ip PRE	350–1,050	20–50	50	220–240	no	360 x 30 x 21	28001910
LCA 85W 600-1800mA 2xCH Ip PRE	600–1,800	20–50	85	220–240	no	360 x 30 x 21	28002829
LCA 100W 350-1050mA 4xCH Ip PRE	350–1,050	20–50	100	220–240	no	360 x 40 x 21	28001912

Further details can be found in the datasheet

Linear casing type (lp), PRE + PRE3

Small but powerful

The family of drivers is offering two new, extremely slimline housings that exceed the requirements of free luminaire design. The smaller variant measures just 11 mm.

In addition to the familiar advantages of the Premium family, such as the wide dimming range of 1 to 100 percent, both sizes have an NFC interface for wireless programming. The 16 mm driver is available with an additional integrated DALI power supply (po4a) as an option. This means that smaller lighting solutions with sensors can be created entirely without DALI lines.



DALI dimmable driver PRE configurable via companionSUITE | Linear Low Profile h11/h16

Type	Output current (mA)	Output voltage range (V)	Output power (W)	NFC	lumDATA	Input voltage (V _{ac})	Size (mm)	Order No.
non-SELV driver one4all lp 16 mm								
LC 35/80-400/95 o4a NF h16 PRE3	80-400	40-95	35	yes	yes*	220-240	280 x 30 x 16	28002940
LC 50/100-400/140 o4a NF h16 PRE3	100-400	50-140	50	yes	yes*	220-240	360 x 30 x 16	28002942
LC 75/100-400/220 o4a NF h16 PRE3	100-400	110-220	75	yes	yes*	220-240	360 x 30 x 16	28002943
non-SELV driver one4all 11 mm								
LC 35/80-400/95 o4a NF h11 PRE3	80-400	40-95	35	yes	yes*	220-240	280 x 30 x 11	28002941
LC 50/100-400/140 o4a NF h11 PRE3	100-400	50-140	50	yes	yes*	220-240	360 x 30 x 11	28002371
LC 75/100-400/220 o4a NF h11 PRE3	100-400	110-220	75	yes	yes*	220-240	360 x 30 x 11	28002375
non-SELV driver powered o4a lp 16 mm								
LC 50/100-400/140 po4a NF h16 PRE3	100-400	50-140	50	yes	Di*	220-240	360 x 30 x 16	28002372
LC 75/100-400/220 po4a NF h16 PRE3	100-400	110-220	75	yes	Di*	220-240	360 x 30 x 16	28002374

Further details can be found in the datasheet

Interfaces

Near field communication (NFC)



Power DALI supply (po4a)

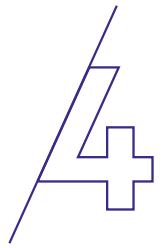


lumDATA

*Tridonic uses lumDATA to refer to the latest DALI-2 specifications for the transmission of various types of data. For example, lighting-specific settings can be viewed via DALI-2 Part 251 and used for commissioning and managing the lighting system. DALI-2 Part 252 provides information about energy consumption, while DALI-2 Part 253 supplies essential data to enable faults to be quickly diagnosed and preventive maintenance work to be carried out.

Linear type (lp), excite

The compact all-round talent



The fourth generation of excite drivers (EXC4) offers a very high degree of flexibility thanks not only to the optimised operating windows which enable the same driver to be used for a variety of applications but also to the smaller low-profile housing which, with its height of only 16 mm, will fit in even really slim luminaires.

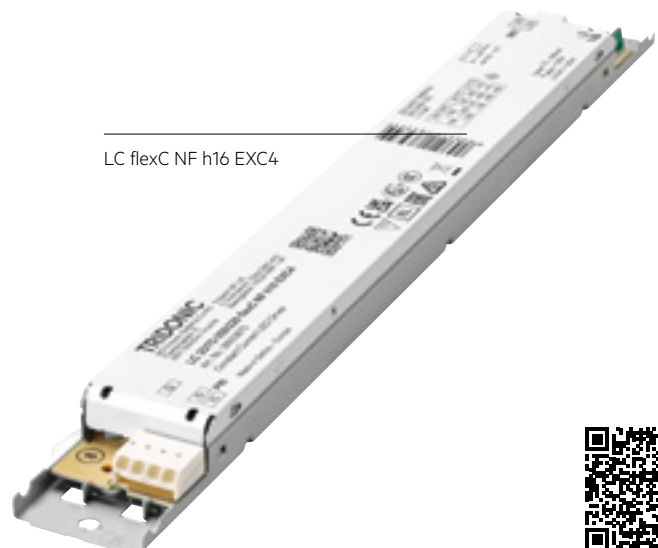
The excite driver series (EXC4) includes both dimmable and non-dimmable versions, so whatever the lighting requirement there is always the ideal driver to cover it. The dimmable driver

with the one4all interface is also equipped with lumDATA which supports the storage and sharing of various data. All the drivers in the series have an NFC interface which means that each one is easy to program and that entire packaging units can be programmed in a single pass, saving enormous amounts of time.

At a glance:

Driver LC 25 W / 40 W / 60 W flexC NF h16 EXC4

- Constant current driver for luminaire installation
- Efficient constant current driver for luminaire installation
- Efficiency of up to 95 %
- Large operating window: 75 to 550 mA
- Flexible output current via NFC interface
- Quick and easy configuration via companionSUITE
- Protection features: overtemperature, short circuit, overload
- No-load operation, input voltage range
- Constant light output function (CLO)
- Nominal lifetime up to 100,000 hours



LC flexC NF h16 EXC4



At a glance:

Driver LC 25 W / 40 W / 60 W o4a NF h16 EXC4

- lumDATA (DALI-2 Parts 251, 252 and 253)
- Efficiency of up to 95 %
- Dimming range: 1 to 100 %
- Standby losses < 0.15 W
- Large operating window: 50 to 550 mA
- Output current can be flexibly adjusted via NFC interface
- Quick and easy configuration via companionSUITE
- Overvoltage and undervoltage monitoring
- Constant light output function (CLO)
- Power-up fading and fade2zero
- Nominal lifetime up to 100,000 hours



LC flexC o4a NF h16 EXC4

Available
from April
2022

LED driver

Linear casing type (Ip), SNC

For small damp-proof luminaires



Thanks to optimised thermal performance, the space-saving low-profile driver is perfect for slim designs. With its combination of good efficiency, long service life and a wide range of wattages and output currents, the essence driver (SNC4) has all the essential features for simple, functional and reliable lighting solutions.

At a glance:

Driver LC flexC Ip SNC4 non-SELV

- Constant-current LED driver for luminaire installation
- For luminaires of protection class I
- Efficiency up to 86 %
- Ambient temperature ta (at service life 50,000 h) 50 °C
- Temperature protection according to EN 61347-2-13 C5e
- Selectable fixed output current
- Nominal life up to 50,000 h

LC 65 W 200-350 mA flexC Ip SNC4



Driver flexC Ip SNC4 non-SELV

Type	Output current (mA)	Output voltage range (V)	Output power (W)	Input voltage (V)	Size (mm)	Order No.
LC 25/200-350/70 flexC Ip SNC4	200 – 350	25 – 70	24.5	220-240	180 x 30 x 21	87500992
LC 35/200-350/121 flexC Ip SNC4	200 – 350	52 – 121	36.4	220-240	180 x 30 x 21	87500993
LC 50/200-350/170 flexC Ip SNC4	200 – 350	72 – 170	50.4	220-240	230 x 30 x 21	87500994
LC 65/200-350/210 flexC Ip SNC4	200 – 350	90 – 210	65.1	220-240	230 x 30 x 21	87500995

LED driver with sensor (included in delivery); further details can be found in the datasheet

Linear casing type (Ip), EXC

For linear and area luminaires



LC 50W 100-400mA flexC Ip EXC

At a glance:

Driver EXC Linear Low Profile, non-SELV + SELV

- Built-in constant current LED driver
- For luminaires of protection class I and protection class II
- Adjustable output current via ready2mains™ Programmer or I-SELECT 2 Plug
- Suitable for emergency lighting systems acc. to EN 50172
- Max. output power up to 100 W
- Up to 95 % efficiency
- Nominal life-time up to 100,000 h
- 5-year guarantee

At a glance:

Driver 1-10 V dimmable with adjustable currents

- Max. output power up to 75 W
- Dimmable via 1 - 10 V interface
- Dimming range from 10 - 100 %

Constant current driver EXC with adjustable current and configurable via companionSUITE | Linear Low Profile

Type	Output current (mA)	Output voltage range (V)	Output power (W)	Input voltage (V _{ac})	Size (mm)	Order No.
SELV						
LC 25W 100-500mA flexC Ip EXC	100-500	20-50	25	220-240	280 x 30 x 21	28000679
LC 50W 350-1050mA flexC Ip EXC	350-1,050	20-50	50	220-240	360 x 30 x 21	28000681
LC 75W 900-1800mA flexC Ip EXC	900-1,800	20-50	75	220-240	360 x 30 x 21	28000684
non-SELV						
LC 50W 100-400mA flexC Ip EXC	100-400	50-140	50	220-240	280 x 30 x 21	28000680
LC 75W 100-400mA flexC Ip EXC	100-400	50-220	75	220-240	280 x 30 x 21	28000713
LC 75W 250-550mA flexC Ip EXC	250-550	80-220	75	220-240	280 x 30 x 21	28001808
LC 75W 350-1050mA flexC Ip EXC	350-1,050	40-110	75	220-240	280 x 30 x 21	28000683
LC 100W 250-700mA flexC Ip EXC	250-700	80-220	100	220-240	280 x 30 x 21	28000690

Further details can be found in the datasheet

1-10 V dimmable driver EXC with adjustable current and configurable via companionSUITE | Linear Low Profile

Type	Output current (mA)	Output voltage range (V)	Output power (W)	Input voltage (V _{ac})	Size (mm)	Order No.
LCA 75W 100-400mA 1-10V Ip EXC	100-400	50-220	75	220-240	280 x 30 x 21	28001807
LCA 75W 250-550mA 1-10V Ip EXC	250-550	50-220	75	220-240	280 x 30 x 21	28001982

Further details can be found in the datasheet

Linear casing type (lp), EXC with NFC

For industrial applications and harsh conditions

The industrial driver was specially designed for demanding environments. It withstands extreme temperatures just as easily as vibrations or high voltage peaks. Thanks to its large operating window, the excite EXC3 driver can be used in a wide range of industrial applications. The

current can be adjusted as required via the NFC interfaces. This allows LED configurations with up to 30,000 lumens to be created, which, thanks to the 220 W version, need only a single driver.

At a glance:

Driver EXC h21/28 Industry with NFC

- Efficiency up to 96 %
- Large operating window: 250 to 1,200 mA
- Currents can be adjusted as required via NFC
- Wide temperature range: -40°C to +80 °C
- 220 W version for luminaires with very high lumen output up to 30,000 lm
- Surge/burst up to 4 kV
- Service life up to 90,000 hours (at ta = 70 °C)
- 5-year guarantee

Industry Driver EXC3 h21/28



Driver excite (EXC3) | Linear | Fixed-Output Industry | with NFC

Type	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V)	Size (mm)	Order No.
LCI 75W/250-500 mA 230 V flexC NF h21 EXC3	250-500	75	300	220-240	360 x 30 x 21	28003510
LCI 105W/350-500 mA 230 V flexC NF h21 EXC3	350-500	105	300	220-240	360 x 30 x 21	28003511
LCI 150W/500-850 mA 230 V flexC NF h28 EXC3	100-700	150	300	220-240	360 x 30 x 28	28003512
LCI 220W/800-1200 mA 230 V flexC NF h28 EXC3	250-1,050	220	300	220-240	360 x 30 x 28	28003513

Further details can be found in the datasheet

Linear casing type (Ip), ADV

For linear and area luminaires

At a glance:

Driver ADV Linear Low Profile non-SELV + SELV

- Built-in constant current LED driver
- For luminaires of protection class I and protection class II
- Temperature protection acc. to EN 61347-2-13 C5e
- Adjustable output current via ADV Plugs
- Suitable for emergency lighting systems acc. to EN 50172
- Max. output power up to 165 W
- Up to 94 % efficiency
- Nominal life-time up to 100,000 h
- 5-year guarantee

LC 81W 1,200-1,750 mA flexC Ip ADV



Constant current driver ADV with adjustable current | Linear Low Profile

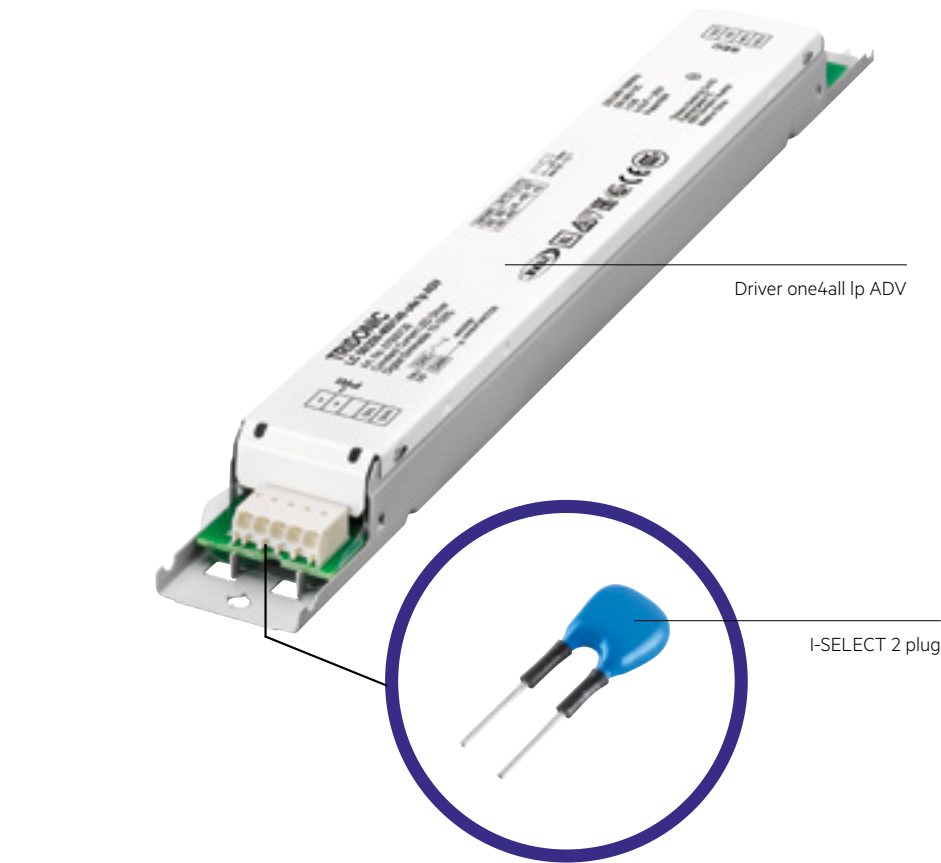
Type	Current output (mA)	Output power (W)	Output voltage range (V)	Input voltage (V _{ac})	Efficiency (%)	Size (mm)	Order No.
SELV							
LC 19W 250-350mA flexC Ip ADV	250, 275, 300, 325, 350	19	25-54	220-240	84	230 x 30 x 21	28002472
LC 38W 500-700mA flexC Ip ADV	500, 550, 600, 650, 700	38	25-54	220-240	85	280 x 30 x 21	28002473
LC 57W 800-1050mA flexC Ip ADV	800, 850, 900, 950, 1.050	57	25-54	220-240	86	280 x 30 x 21	28002474
LC 81W 1200-1750mA flexC Ip ADV	1,200, 1,300, 1,400, 1,550, 1,750	81	25-54	220-240	87	360 x 30 x 21	28002475
non-SELV							
LC 38W 250-350mA flexC Ip ADV	250, 275, 300, 325, 350	38	51-109	220-240	89	280 x 30 x 21	28002465
LC 38W 350-500mA flexC Ip ADV	350, 375, 400, 450, 500	38	35-75	220-240	88	280 x 30 x 21	28002466
LC 53W 250-350mA flexC Ip ADV	250, 275, 300, 325, 350	53	70-150	220-240	90	280 x 30 x 21	28002468
LC 69W 350-500mA flexC Ip ADV	350, 375, 400, 450, 500	69	60-138	220-240	91	280 x 30 x 21	28002464
LC 71W 250-350mA flexC Ip ADV	250, 275, 300, 325, 350	71	93-217	220-240	93	280 x 30 x 21	28002467
LC 112W 250-350mA flexC Ip ADV	250, 275, 300, 325, 350	112	143-320	220-240	94	360 x 30 x 21	28002469
LC 165W 400-700mA flexC Ip ADV	400, 450, 500, 600, 700	165	143-320	220-240	94	360 x 30 x 21	28002470

Further details can be found in the datasheet

Linear driver (Ip), ADV, DALI dimmable

For linear and area luminaires

The constant current driver is ideal for lighting solutions that require dimming simple. Two variants are available with 50 and 75 watts, each with a dimming range of 10 to 100 percent. The output currents can be adjusted easily with I-SELECT 2 plugs. In combination with very high efficiency of up to 90 percent, the DALI dimmable driver offers extremely attractive value for money.



At a glance:

Driver ADV Linear Low Profile one4all

- Dimmable Built-in constant current LED driver
- Adjustable output current between 250 and 400 mA via I-SELECT 2 plugs
- Simple configuration with the Tridonic companionSUITE (e.g. corridorFUNCTION, dimmlevel and so on)
- Interfaces: one4all (DALI-2 DT 6, DSI, switchDIM, corridorFUNCTION V2)
- Terminal blocks: 0° push terminals
- Dimming range 10 – 100 % (min. 25 mA)
- For luminaires of protection class I and protection class II
- Nominal life-time up to 100,000 h
- 5-year guarantee

DALI dimmable driver ADV configurable via companionSUITE | Linear Low Profile

Type	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V _{ac})	Efficiency (%)	Size (mm)	Order No.
LC 50/250-400/140 o4a Ip ADV	250-400	50	50-140	220-240	90	280 x 30 x 21	87500726
LC 75/250-400/220 o4a Ip ADV	250-400	75	110-220	220-240	90	280 x 30 x 21	87500728

Further details can be found in the datasheet

Linear casing type (Ip), SNC with sensor

For damp-proof luminaires

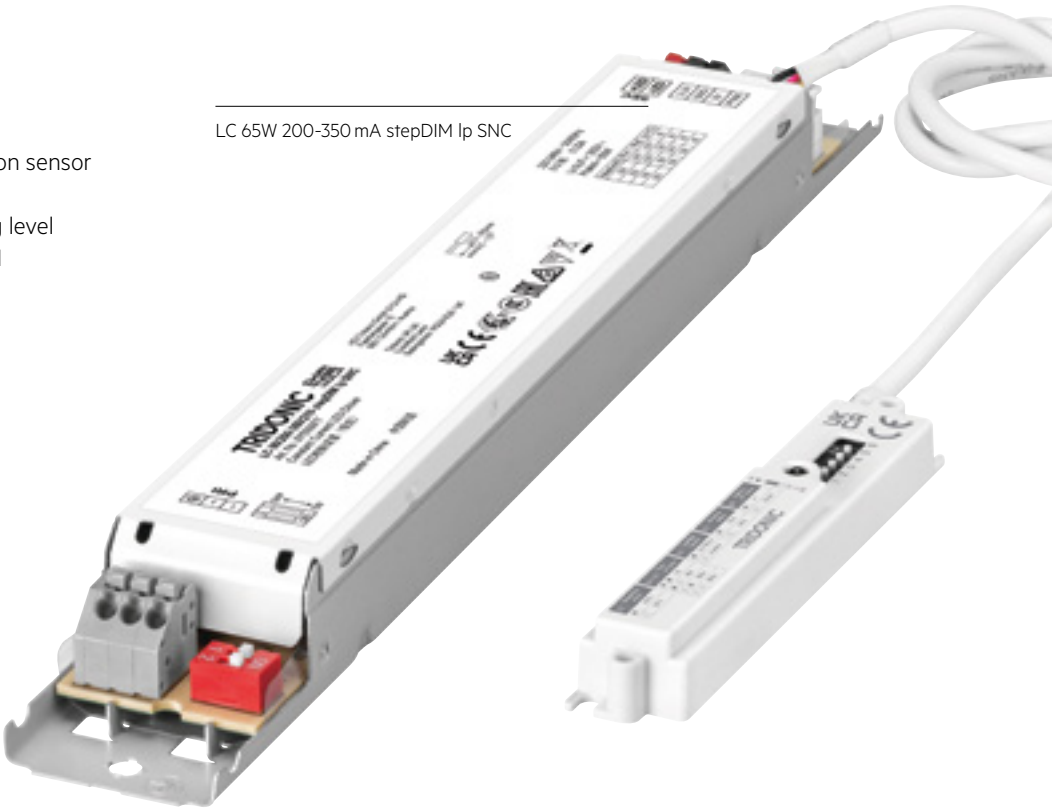
The combination of constant current driver and sensor offers a cost-efficient 2-in-1 solution when light is not required continuously. This makes it ideal for damp-proof luminaires in car parks and department stores, for example. The integrated stepDIM function

automatically reduces the light level to a minimum. The energy consumption is reduced and complete darkness is avoided. As no commissioning is required, installation is also quick and easy.

At a glance:

Driver LC stepDIM Ip SNC

- Constant current driver, daylight and motion sensor
- Up to 87 % efficiency
- stepDIM function for 30 or 100 % dimming level
- For luminaires of protection classes I and II
- Nominal service life up to 50,000 h
- 5-year guarantee



Driver LC stepDIM Ip SNC

Type	Output current (mA)	Output voltage range (V)	Output power (W)	Input voltage (V)	Size (mm)	Order No.
LC 25/200-350/70 stepDIM Ip SNC	200 – 350	25-70	28.5	220~240	230 x 30 x 21	87500974
LC 35/200-350/121 stepDIM Ip SNC	200 – 350	52-121	36.4	220~240	230 x 30 x 21	87500975
LC 50/200-350/170 stepDIM Ip SNC	200 – 350	72-144	50.4	220~240	280 x 30 x 21	87500976
LC 65/200-350/210 stepDIM Ip SNC	200 – 350	90-186	65.1	220~240	280 x 30 x 21	87500977

LED driver with sensor (included in delivery); further details can be found in the datasheet

LED driver

Linear driver (Ip), SNC

For linear and area luminaires

At a glance:

Driver SNC Linear Low Profile non-SELV + SELV

- Fixed output built-in LED driver
- Constant current LED driver
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Output current up to 1,400 mA
- Max. output power 75 W
- Up to 90 % efficiency
- Nominal life-time up to 50,000 h
- 5-year guarantee



LC 75/1,400/54 fixC Ip SNC2

Constant current driver SNC | Linear Low Profile | non-SELV + SELV

Type	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V _{ac})	Size (mm)	Order No.
SELV driver Ip						
LC 10/350/29 fixC Ip SNC2	350	10	14–29	220–240	145 x 22 x 21	87500778
LC 19/350/54 fixC Ip SNC2	350	19	20–54	220–240	230 x 30 x 21	87500779
LC 27/500/54 fixC Ip SNC2	500	27	20–54	220–240	230 x 30 x 21	87500780
LC 38/700/54 fixC Ip SNC2	700	38	20–54	220–240	230 x 30 x 21	87500781
LC 57/1050/54 fixC Ip SNC2	1,050	57	20–54	220–240	230 x 30 x 21	87500782
LC 75/1400/54 fixC Ip SNC2	1,400	75	20–54	220–240	280 x 30 x 21	87500783
non-SELV driver Ip						
LC 25/250/104 fixC Ip SNC2	250	25	52–104	220–240	230 x 30 x 21	87500835
LC 25/300/85 fixC Ip SNC2	300	25	43–85	220–240	230 x 30 x 21	87500836
LC 25/350/72 fixC Ip SNC2	350	25	36–72	220–240	230 x 30 x 21	87500837
LC 35/250/140 fixC Ip SNC2	250	35	70–140	220–240	230 x 30 x 21	87500838
LC 35/300/121 fixC Ip SNC2	300	35	61–121	220–240	230 x 30 x 21	87500839
LC 35/350/104 fixC Ip SNC2	350	35	52–104	220–240	230 x 30 x 21	87500840
LC 50/250/200 fixC Ip SNC2	250	50	100–200	220–240	230 x 30 x 21	87500841
LC 50/300/170 fixC Ip SNC2	300	50	85–170	220–240	230 x 30 x 21	87500842
LC 50/350/143 fixC Ip SNC2	350	50	72–143	220–240	230 x 30 x 21	87500843
LC 65/250/260 fixC Ip SNC2	250	65	130–260	220–240	230 x 30 x 21	87500844
LC 65/300/217 fixC Ip SNC2	300	65	109–217	220–240	230 x 30 x 21	87500845
LC 65/350/186 fixC Ip SNC2	350	65	93–186	220–240	230 x 30 x 21	87500846

Further details can be found in the datasheet

LED driver

Compact casing type, built-in (C)

For spot- and downlights



LCA 100W 1,100-2,100mA
one4all C PRE



LC 38/350-1,050/50
bDW TW C PRE2

At a glance:

Driver PRE to SNC | built-in (C)

- Dimmable built-in constant current LED driver
- Dimming range 1 – 100 %
- For luminaires of protection class I and protection class II
- Suitable for emergency escape lighting systems acc. to EN 50172 (PRE2)
- Adjustable output current between 150 – 2,100 mA
- Max. output power 100 W
- Up to 92 % efficiency
- Power input on stand-by < 0,2 W
- Nominal life-time up to 100,000 h
- 5-year guarantee

DALI-2 dimmable driver PRE configurable via companionSUITE | built-In

Type	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V _{ac})	Size (mm)	Order No.
SELV-driver one4all C							
LCA 10W 150-400mA one4all C PRE	150-400	15-40	10	yes	220-240	105 x 70 x 22	28000663
LCA 17W 250-700mA one4all C PRE	250-700	15-50	17	yes	220-240	105 x 70 x 22	28000664
LCA 25W 350-1050mA one4all C PRE	350-1,050	20-50	25	yes	220-240	120 x 70 x 22	28000665
LCA 45W 500-1400mA one4all C PRE	500-1,400	25-50	45	yes	220-240	120 x 70 x 22	28000666
LCA 60W 900-1750mA one4all C PRE	900-1,750	20-54	60	yes	220-240	125 x 85 x 28	28000667
LCA 100W 1100-2100mA one4all C PRE	1,100-2,100	20-54	100	yes	220-240	140 x 100 x 30	28001570
SELV-driver one4all C							
LCA 38W 350-1050mA DT8 C PRE	350-1,050	20-50	38	yes	220-240	120 x 70 x 28	28002199
LC 38/350-1050/50 bDW TW C PRE2	350-1,050	20-50	38	yes	220-240	120 x 70 x 28	28002858

Further details can be found in the datasheet

Interfaces

Near field communication (NFC)



one4all (DALI-2, switchDIM, corridorFUNCTION)

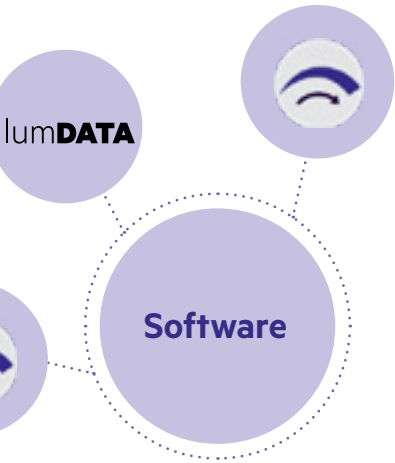


ready2mains™



Power up fading

lumDATA:
DALI-2 data reporting
Luminaire data Part 251
Energy data Part 252
Diagnostic data Part 253



fade2zero

Compact casing type, built-in (C), SNC, ADV, EXC

For spot- and downlights

Constant current driver EXC with adjustable current and configurable via companionSUITE | built-In

Type	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V _{ac})	Size (mm)	Order No.
LC 10W 150-400mA flexC C EXC	150-400	15-40	10	yes	220-240	105 x 70 x 22.3	28000692
LC 17W 250-700mA flexC C EXC	250-700	15-50	17	yes	220-240	105 x 70 x 22.3	28000693
LC 25W 350-1050mA flexC C EXC	350-1,050	20-50	25	yes	220-240	105 x 70 x 22.3	28000694
LC 45W 500-1400mA flexC C EXC	500-1,400	20-50	45	yes	220-240	120 x 70 x 22.3	28000695
LC 60W 900-1750mA flexC C EXC	900-1,750	20-54	60	yes	220-240	125 x 85 x 28.3	28000696
LC 100W 1100-2100mA flexC C EXC	1,100-2,100	20-54	100	yes	220-240	140 x 100 x 30	28001572

Further details can be found in the datasheet

Constant current driver ADV | built-In

Type	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V _{ac})	Efficiency (%)	Size (mm)	Order No.
LC 25W 600mA fixC C ADV	600	2	21.4-44	220-240	88	105 x 70 x 28.3	28002490
LC 30W 700mA fixC C ADV	700	30	21.4-44	220-240	88	105 x 70 x 28.3	28002491
LC 35W 800mA fixC C ADV	800	35	25-45	220-240	89	105 x 70 x 28.3	28002492
LC 40W 900mA fixC C ADV	900	40	25-45	220-240	89	105 x 70 x 28.3	28002493

Further details can be found in the datasheet

Constant current driver SNC | built-In

Type	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V _{ac})	Size (mm)	Order No.
LC 10W 250mA fixC C SNC	250	10	28-40	220-240	80 x 40 x 21	87500628
LC 10W 350mA fixC C SNC	350	10	20-29	220-240	80 x 40 x 21	87500577
LC 10W 500mA fixC C SNC	500	10	14-20	220-240	80 x 40 x 21	87500578
LC 10W 700mA fixC C SNC	700	10	10-14	220-240	80 x 40 x 21	87500579
LC 13W 300mA fixC C SNC	300	13	30.3-43.3	220-240	80 x 40 x 21	87500629
LC 15W 350mA fixC C SNC	350	15	30-42.8	220-240	80 x 40 x 21	87500630
LC 20W 350mA fixC C SNC	350	20	40-57.2	220-240	93 x 58 x 26.2	87500631
LC 20W 500mA fixC C SNC	500	20	30-43	220-240	93 x 58 x 26.2	87500566
LC 20W 700mA fixC C SNC	700	20	20-28.5	220-240	93 x 58 x 26.2	87500567
LC 25W 600mA fixC C SNC	600	25	30-43	220-240	93 x 58 x 26.2	87500575
LC 30W 700mA fixC C SNC	700	30	30-43	220-240	103 x 67 x 29.7	87500559
LC 35W 350mA fixC C SNC	350	35	70-100	220-240	103 x 67 x 29.7	87500561
LC 35W 500mA fixC C SNC	500	35	49-70	220-240	103 x 67 x 29.7	87500562
LC 35W 800mA fixC C SNC	800	35	30-43	220-240	103 x 67 x 29.7	87500576
LC 35W 1050mA fixC C SNC	1,050	35	23-33	220-240	103 x 67 x 29.7	87500563
LC 40W 900mA fixC C SNC	900	40	30-43	220-240	103 x 67 x 29.7	87500560
LC 45W 1050mA fixC C SNC	1,050	45	30-43	220-240	103 x 67 x 29.7	87500564
LC 50W 1200mA fixC C SNC	1,200	50	30-43	220-240	123 x 75 x 29.7	87500568
LC 60W 700mA fixC C SNC	700	60	60-85	220-240	123 x 75 x 29.7	87500569
LC 60W 1400mA fixC C SNC	1,400	60	30-43	220-240	123 x 75 x 29.7	87500570

Further details can be found in the datasheet

LED driver

Compact casing type, strain relief (SR), PRE

For spot- and downlights



LC 38/350-1050/50 bDW
TW SR PRE2



LCA 10W 150-400mA
one4all SR PRE

At a glance:

Driver PRE | strain relief (SR)

- Independent dimmable 2 channel DALI DT8 constant current driver
- Dimming range 1 - 100 %
- For luminaires of protection class I and protection class II
- Adjustable output current between 350 – 1,050 mA with I-SELECT2 Plugs or DALI
- Max. output power 38 W
- Up to 87 % efficiency
- Power input on stand-by < 0,25 W
- Nominal life-time up to 100,000 h
- 5-year guarantee

DALI-2 dimmable driver PRE configurable via companionSUITE | built-In

Type	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V _{ac})	Size (mm)	Order No.
SELV-driver, SR							
LCA 10W 150-400mA one4all SR PRE	150-400	15-40	10	yes	220-240	200 x 70 x 31	28000669
LCA 17W 250-700mA one4all SR PRE	250-700	15-50	17	yes	220-240	200 x 70 x 31	28000670
LCA 25W 350-1050mA one4all SR PRE	350-1,050	20-50	25	yes	220-240	200 x 70 x 31	28000671
LCA 45W 500-1400mA one4all SR PRE	500-1,400	25-50	45	yes	220-240	215 x 70 x 31	28000672
LCA 60W 900-1750mA one4all SR PRE	900-1,750	20-54	60	yes	220-240	220 x 85 x 31	28000677
LCA 100W 1100-2100mA one4all SR PRE	1,100-2,100	20-54	100	yes	220-240	235x 100 x 31	28001571
SELV-driver, SR, Tunable White							
LCA 38W 350-1050mA DT8 SR PRE	350-1,050	20-50	38	yes	220-240	215 x 70 x 31	28002202
LC 38/350-1050/50 bDW TW SR PRE2	350-1,050	20-50	38	yes	220-240	215 x 70 x 31	28002584

Further details can be found in the datasheet

Interfaces

one4all (DALI-2 DT6, switchDIM, corridorFUNCTION)

ready2mains™

basicDIM Wireless (Casambi Ready)

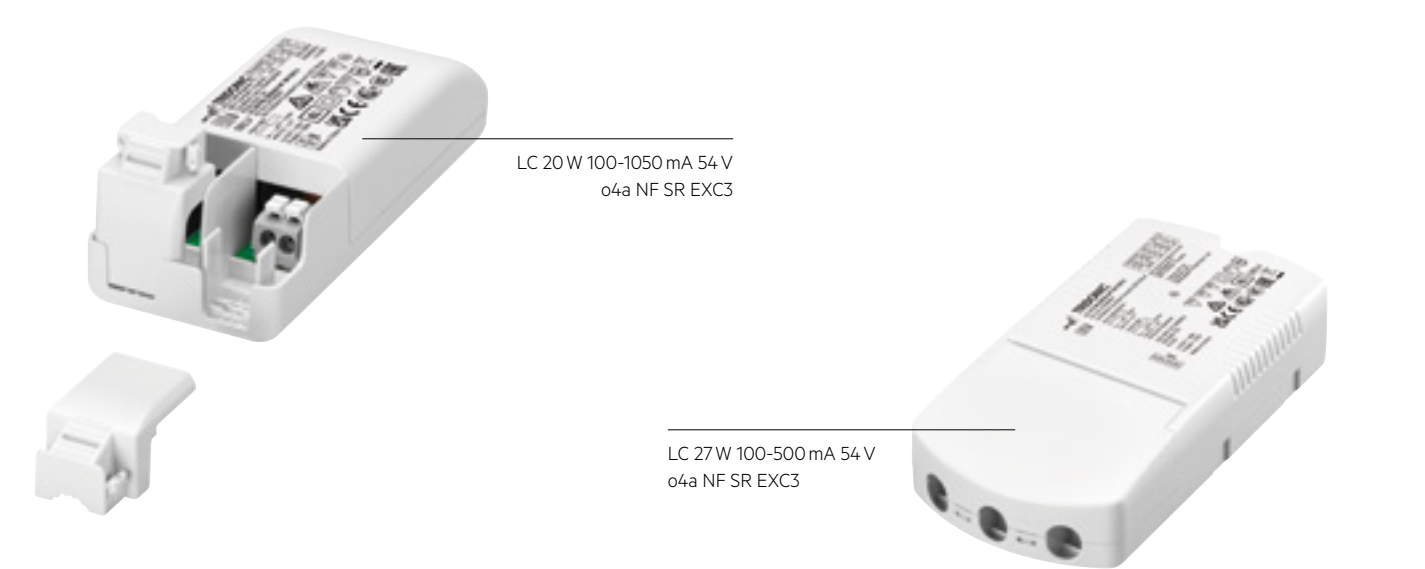


Compact casing type, independent (SR), EXC3

For spot- and downlights

In addition to the proven strain relief housing, a particularly space-saving Speedy version 20 W is available. In this way, even applications with a low installation depth can be easily realized. For high-power LEDs and small COBs with 18 and 9 volts, the driver has a lower forward voltage range. The entire driver family is equipped with an NFC interface for easy configuration and is also available in a non-dimmable version.

- At a glance:
- Driver LC SR EXC3**
- Independent constant current LED Driver DALI-2
 - Flicker value < 5 %
 - Forward clamping: 2
 - Dimming range 1 to 100 % (min. 5mA)
 - Interfaces: Near field communication (NFC), one4all
 - For luminaires of protection class II
 - Nominal life-time up to 100,000 h
 - 5-year guarantee



DALI-2 dimmable driver EXC3 configurable via companionSUITE

Type	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V _{ac})	Size (mm)	Order No.
Driver one4all, NFC							
LC 27 W 100-500 mA 54 V o4a NF SR EXC3	100 – 500	27 – 54	27	yes	220-240	160 x 82 x 34	87500922
LC 45 W 450-1050 mA 54 V o4a NF SR EXC3	450 – 1,500	27 – 54	45	yes	220-240	160 x 82 x 34	87500923

Further details can be found in the datasheet

Interfaces

Near field communication (NFC)



one4all (DALI-2 DT6, switchDIM, corridorFUNCTION)



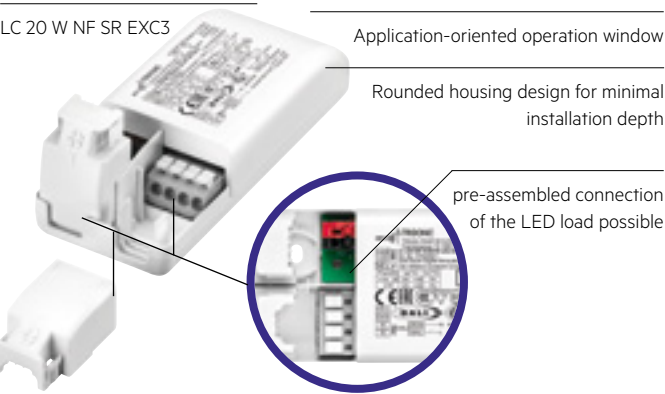
Compact casing type, independent (SR), EXC3

For spot- and downlights

The third generation of the excite driver series with strain relief housing features a completely new design

It can now be dimmed using DALI-2 and offers a wide voltage range, making it extremely versatile. The 20-watt version features the popular Speedy housing, which has now been extended into the LED range. It also offers a new form of Strain relief, which combines easy operation with reliable grip.

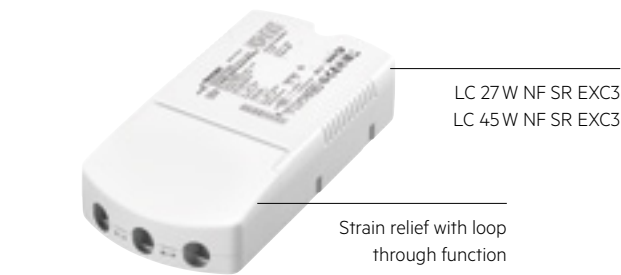
The excite driver series has been equipped with some essential advantages of the premium category. These include, for example, the NFC interface for convenient multi-programming as well as the excellent dimming behaviour, which ensures maximum stability even in the lower ranges.



At a glance:

Driver SR one4all EXC3

- New Strain relief concept, fast mounting and pre-assembled connection of the LED load possible (Speedy)
- Independent constant current driver
- Output current adjustable between 100 – 1,050 mA with DALI or NFC
- Application-oriented operating window for maximum compatibility (Speedy)
- Dimming range 1 to 100 % (min. 5mA)
- Interfaces: Near field communication (NFC), one4all (DALI-2 DT6, switchDIM, corridorFUNCTION (V2))
- Nominal life-time up to 100,000 h
- 5-year guarantee



DALI-2 dimmable driver EXC3 configurable via companionSUITE

Type	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V)	Size (mm)	Order No.
Driver one4all, NFC							
LC 20 W 100-1050mA 44 V o4a NF SR EXC3	100-1.050	7,0 – 44	20	ja	220-240	120 x 51 x 29	87500921
LC 20 W 100-1050mA 44 V o4a NF SR EXC3	100-1.050	7,0 – 44	20	ja	220-240	120 x 51 x 29	87500961

Further details can be found in the datasheet

LED driver

Compact casing type, independent (SR), EXC3

For spot- and downlights

At a glance:

Driver EXC3 SR one4all

- Independent constant current LED driver
- Adjustable output current between 150 – 2,100 mA with ready2mains™ Programmer or I-SELECT 2 Plugs
- Max. output power 10 – 100 W
- Up to 92 % efficiency
- Nominal life-time up to 100,000 h
- 5-year guarantee

LC 17 W 250-700 mA
flexC SR EXC



Constant current Driver EXC with adjustable current configurable via companionSUITE | Independent

Type	Output current (mA)	Output power (W)	Output voltage range (V)	SELV 60 V	Input voltage (V _{ac})	Size (mm)	Order No.
LC 10W 150-400mA flexC SR EXC	150-400	10	15-45	yes	220-240	200 x 70 x 31	28000698
LC 17W 250-700mA flexC SR EXC	250-700	17	15-50	yes	220-240	200 x 70 x 31	28000699
LC 25W 350-1050mA flexC SR EXC	350-1,050	25	20-50	yes	220-240	200 x 70 x 31	28000700
LC 45W 500-1400mA flexC SR EXC	500-1,400	45	20-54	yes	220-240	215 x 70 x 31	28000701
LC 60W 900-1750mA flexC SR EXC	900-1,750	60	20-54	yes	220-240	220 x 85 x 31	28000702
LC 100W 1100-2100mA flexC SR EXC	1,100-2,100	100	20-54	yes	220-240	235 x 100 x 31	28001573

Further details can be found in the datasheet

Compact casing type, independent (SR), ADV

For spot- and downlights

At a glance:
Driver ADV | strain relief (SR)

- Independent constant current LED driver
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- Selectable output current between 350, 500 and 700 mA
- Max. output power 20 W
- Up to 85 % efficiency
- Nominal life-time up to 50,000 h
- 5-year guarantee

LC 20 W 350/500/700 mA
flexC SR ADV



Constant current driver ADV with adjustable current | Independent

Type	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V _{ac})	Efficiency (%)	Size (mm)	Order No.
LC 20W 350/500/700mA flexC SR ADV	350, 500, 700	20	25–50	220~240	85	101.5 x 51 x 29.5	28002496
LC 35W 350/500mA flexC SR ADV	350, 500	35	35–100	220~240	88	159.4 x 82 x 34	28002495
LC 35W 700/800/1050mA flexC SR ADV	700, 800, 1,050	35	25–50	220~240	87.5	159.4 x 82 x 34	28002494
LC 42W 700/900/1050mA flexC SR ADV	700, 900, 1,050	42	30–60	220~240	88.5	159.4 x 82 x 34	28002497
LC 60W 1050/1200/1400mA flexC SR ADV	1,050, 1,200, 1,400	60	21.5–57	220~240	90.5	159.4 x 82 x 34	28002498

Further details can be found in the datasheet

Compact casing type, independent (SR), ADV2

For restricted installation conditions

Constant current driver ADV2 | Design

The constant current driver is ideal for the implementation of light panel and downlight solutions in particular thanks to its compact housing with Strain relief (SR). Not only does the driver cover the most common currents, it also offers a high degree of flexibility with numerous wattages. Installation is significantly easier thanks to the option of loop-through

wiring and the push-in terminal. Thanks to the high level of efficiency of up to 90 percent and very low flicker value, the driver can also be used for office luminaires. Here, Tridonic offers a perfectly coordinated combination option with the Edgelit Panel ELA.



LC 35/800/44 fixC
SR ADV2



LC 15W 350mA fixC
SRL ADV2

At a glance:

Driver advanced (ADV) fixC SR ADV2

- Housing with strain relief and the option of loop-through wiring
- Extra flat housing for constrained installation conditions (small ceiling cut outs and low ceiling voids)
- Output current 350 – 1,050 mA
- Surge and Burst protection
- Type of protection IP20
- Temperature protection as per EN 61347-2-13 C5e
- For luminaires of protection class II
- Nominal life-time up to 50,000 h
- 5-year guarantee

Constant current driver ADV | Independent

Type	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V _{ac})	Efficiency (%)	Size (mm)	Order No.
LC 15W 350mA fixC SRL ADV2	350	15	30-42	220-240	88	147 x 43 x 30	87500954
LC 21W 500mA fixC SRL ADV2	500	21	30-42	220-240	88	147 x 43 x 30	87500955
LC 25W 600mA fixC SRL ADV2	600	25	30-42	220-240	88	147 x 43 x 30	87500956
LC 30W 700mA fixC SRL ADV2	700	30	30-42	220-240	88	147 x 43 x 30	87500957
LC 34W 800mA fixC SRL ADV2	800	34	30-42	220-240	89	147 x 43 x 30	87500958
LC 38W 900mA fixC SRL ADV2	900	38	30-42	220-240	89	147 x 43 x 30	87500959
LC 44W 1050mA fixC SRL ADV2	1,050	44	30-42	220-240	90	147 x 43 x 30	87500960
LC 21/500/42 fixC SR ADV2	500	21	33-42	220-240	88	127 x 43 x 30	87500863
LC 25/600/42 fixC SR ADV2	600	25	33-42	220-240	88	127 x 43 x 30	87500864
LC 30/700/42 fixC SR ADV2	700	30	33-42	220-240	89	127 x 43 x 30	87500865
LC 35/800/44 fixC SR ADV2	800	35	33-44	220-240	89	127 x 43 x 30	87500866
LC 38/900/42 fixC SR ADV2	900	38	33-42	220-240	89	127 x 43 x 30	87500867
LC 44/1050/42 fixC SR ADV2	1,050	44	33-42	220-240	90	127 x 43 x 30	87500868

Further details can be found in the datasheet

Compact casing type, independent (SR), SNC2

For restricted installation conditions

At a glance:

Driver SNC2 | Strain relief (SR)

- Independent driver with Strain relief housing
- Extra flat housing for constrained installation conditions (small ceiling cut outs and low ceiling voids)
- For luminaires of protection class I and class II
- Temperature protection as per EN 61347-2-13 C5e
- Output current 700 or 1,400 mA
- Nominal life-time up to 50,000 h
- 5-year guarantee

LC 60/700/86 fixC
SR SNC2



Constant current driver SNC2 | Independent

Type	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V _{ac})	Efficiency (%)	Size (mm)	Order No.
LC 8/180/44 fixC SR SNC2	180	8	30–44	220–240	82	100 x 43 x 22.5	87500799
LC 8/200/40 fixC SR SNC2	200	8	23–40	220–240	82	100 x 43 x 22.5	87500800
LC 10/250/40 fixC SR SNC2	250	10	23–40	220–240	82	100 x 43 x 22.5	87500801
LC 10/350/29 fixC SR SNC2	350	10	17–29	220–240	82	100 x 43 x 22.5	87500802
LC 10/500/20 fixC SR SNC2	500	10	11–20	220–240	81	100 x 43 x 22.5	87500803
LC 10/700/14.5 fixC SR SNC2	700	10	8–14.5	220–240	80	100 x 43 x 22.5	87500804
LC 15/300/50 fixC SR SNC2	300	15	28–50	220–240	87	100 x 43 x 22.5	87500746
LC 15/350/43 fixC SR SNC2	350	15	25–43	220–240	86	100 x 43 x 22.5	87500747
LC 25/350/71 fixC SR SNC2	350	25	45–71	220–240	89	127 x 43 x 30	87500750
LC 25/500/43 fixC SR SNC2	500	25	27–43	220–240	90	127 x 43 x 30	87500751
LC 25/600/42 fixC SR SNC2	600	25	27–42	220–240	90	127 x 43 x 30	87500752
LC 25/700/36 fixC SR SNC2	700	25	23–36	220–240	90	127 x 43 x 30	87500753
LC 30/350/86 fixC SR SNC2	350	30	43–86	220–240	89	127 x 43 x 30	87500754
LC 30/500/54 fixC SR SNC2	500	30	27–54	220–240	89	127 x 43 x 30	87500755
LC 30/700/43 fixC SR SNC2	700	30	27–43	220–240	89	127 x 43 x 30	87500757
LC 35/800/43 fixC SR SNC2	800	35	23–43	220–240	90	127 x 43 x 30	87500758
LC 40/900/45 fixC SR SNC2	900	40	27–45	220–240	90	127 x 43 x 30	87500762
LC 40/1050/39 fixC SR SNC2	1,050	40	23–39	220–240	90	127 x 43 x 30	87500763
LC 45/1050/43 fixC SR SNC2	1,050	45	25–43	220–240	90	127 x 43 x 30	87500771
LC 50/1200/42 fixC SR SNC2	1,200	50	26–42	220–240	91	145 x 43 x 30	87500773
LC 60/700/86 fixC SR SNC2	700	60	47–86	220–240	90	160 x 43 x 30	87500774
LC 60/1400/43 fixC SR SNC2	1,400	60	25–43	220–240	92	160 x 43 x 30	87500777

Further details can be found in the datasheet

Compact casing type, Stretched Compact (SC), PRE

For spot- and downlights, lay-in luminaires

At a glance:

Driver PRE | Stretched Compact (SC)

- Dimmable Built-in constant current LED driver
- Can be either used Built-in or independent with clip-on strain relief (see accessory)
- Dimming range 1–100 %
- For luminaires of protection class I and protection class II
- Adjustable output current between 500–1,400 mA via companionSUITE, ready2mains™ Programmer, I-SELECT 2 Plugs or DALI
- Max. output power 45 W
- Up to 91 % efficiency
- Power input on stand-by < 0,2 W
- Nominal life-time up to 100,000 h
- 5-year guarantee

LCA 45 W 500-1400 mA
one4all SC PRE

with strain relief



DALI-2 dimmable driver PRE and configurable via companionSUITE | Stretched Compact

Type	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V _{ac})	Size (mm)	Order No.
LCA 10W 150-400mA one4all SC PRE	150–400	15–40	10	yes	220~240	130 x 43 x 30	28000673
LCA 17W 250-700mA one4all SC PRE	250–700	15–50	17	yes	220~240	130 x 43 x 30	28000674
LCA 25W 350-1050mA one4all SC PRE	350–1,050	20–50	25	yes	220~240	130 x 43 x 30	28000675
LCA 45W 500-1400mA one4all SC PRE	500–1,400	25–50	45	yes	220~240	150 x 43 x 30	28000676
ACU SC 43x30mm CLIP-ON SR SET (Optional pluggable Strain-Relief for the Stretched Compact housing)						30 x 43 x 30	28001168
ACU SC 15x43x30mm CLIP-ON SR (Optional pluggable Strain-Relief for the Stretched Compact housing)						15 x 43 x 30	28001574
ACU SC 30x43x30mm CLIP-ON SR PA (Optional pluggable Strain-Relief for the Stretched Compact housing)						30 x 43 x 30	28001699
ACU SC 43x30mm CLIP-ON SR SET 300 (Optional pluggable Strain-Relief for the Stretched Compact housing)						15 x 43 x 30	28001351

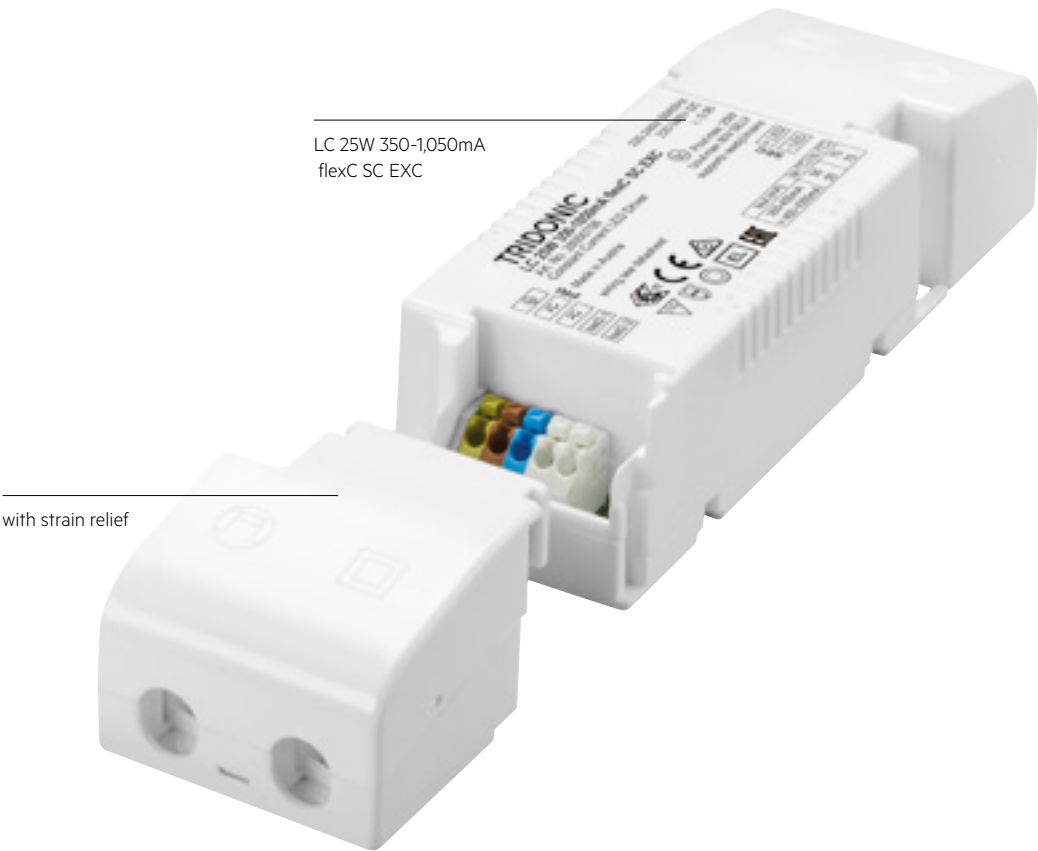
Further details can be found in the datasheet

Compact casing type, Stretched Compact (SC), EXC

For spot- and downlights, lay-in luminaires

At a glance:
Driver EXC | Stretched Compact (SC)

- Constant current LED driver
- Can be either used built-in or independent with clip-on strain relief (see accessory)
- For luminaires of protection class I and protection class II
- Adjustable output current between 1,400 mA via companionSUITE, ready2mains™ Programmer, I-SELECT 2 Plugs or DALI
- Max. output power 45 W
- Up to 88 % efficiency
- Nominal life-time up to 100,000 h
- 5-year guarantee



Constant current driver EXC with adjustable current and configurable via companionSUITE | Stretched Compact

Type	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V _{ac})	Size (mm)	Order No.
LC 10W 150-400mA flexC SC EXC	150-400	15-40	10	yes	220-240	97 x 43 x 30	28000704
LC 17W 250-700mA flexC SC EXC	250-700	15-50	17	yes	220-240	97 x 43 x 30	28000705
LC 25W 350-1050mA flexC SC EXC	350-1,050	20-50	25	yes	220-240	97 x 43 x 30	28000706
LC 45W 500-1400mA flexC SC EXC	500-1,400	20-50	45	yes	220-240	115 x 43 x 30	28000707
ACU SC 43x30 mm CLIP-ON SR SET (Optional pluggable strain relief for the Stretched Compact housing)						30 x 43 x 30	28001168
ACU SC 15x43x30mm CLIP-ON SR (Optional pluggable strain relief for the Stretched Compact housing)						15 x 43 x 30	28001574

Further details can be found in the datasheet

Compact casing type, Stretched Compact (SC), ADV

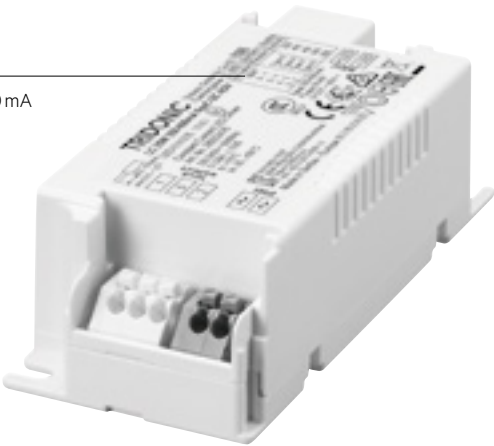
For spot- and downlights, lay-in luminaires

At a glance:

Driver ADV | Stretched compact (SC)

- Fixed-Output LED driver
- Can be either used built-in or independent with clip-on strain-relief (see accessory)
- LED driver with cable-clamp
- For luminaires of protection class I and II
- Temperature protection as per EN 61347-2-13 C5e
- Constant current LED driver
- Output current 1,050 mA
- Max. output power 44 W
- Nominal life-time up to 50,000 h
- 5-year guarantee

LC 25 W 350-600 mA
flexC SC ADV



Constant current driver ADV with adjustable current | Stretched Compact

Type	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V _{ac})	Efficiency (%)	Size (mm)	Order No.
LC 25W 350-600mA flexC SC ADV	350–600	25	27–44	220–240	88	97 x 43 x 30	28002476
LC 35W 500-800mA flexC SC ADV	500–800	35	25–44	220–240	88	97 x 43 x 30	28002477
LC 40W 800-1050mA flexC SC ADV	800–1,050	40	25–42	220–240	88	97 x 43 x 30	28002478
LC 50W 900-1200mA flexC SC ADV	900–1,200	50	27–44	220–240	90	115 x 43 x 30	28002479
LC 60W 1000-1400mA flexC SC ADV	1,000–1,400	60	27–44	220–240	90	130 x 43 x 30	28002480
ACU SC 43x30mm CLIP-ON SR SET (Optional pluggable strain relief for the Stretched Compact housing)						30 x 43 x 30	28001168
ACU SC 15x43x30mm CLIP-ON SR (Optional pluggable strain relief for the Stretched Compact housing)						15 x 43 x 30	28001574

Further details can be found in the datasheet

Constant current ADV | Stretched Compact

Type	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V _{ac})	Efficiency (%)	Size (mm)	Order No.
LC 15W 350mA fixC SC ADV	350	15	21.4–44	220–240	83	97 x 43 x 22.5	28002481
LC 15W 350mA fixC SC ADV2	350	15	10.5–14.7	220–240	88	97 x 43 x 30	87500889
LC 20W 500mA fixC SC ADV	500	20	21.4–44	220–240	83	97 x 43 x 22.5	28002482
LC 21W 500mA fixC SC ADV2	500	21	15–21	220–240	88	97 x 43 x 30	87500890
ACU SC 43x22.5mm CLIP-ON SR SET (Optional pluggable strain relief for the Stretched Compact housing)						30 x 43 x 22.5	28001534
LC 25W 600mA fixC SC ADV	600	25	21.4–44	220–240	88	97 x 43 x 30	28002483
LC 25W 600mA fixC SC ADV2	600	25	18–25.2	220–240	90	97 x 43 x 30	87500891
LC 30W 700mA fixC SC ADV	700	30	21.4–44	220–240	88	97 x 43 x 30	28002484
LC 34W 800mA fixC SC ADV2	800	34	24.0–33.6	220–240	88	97 x 43 x 30	87500893
LC 35W 700mA fixC SC ADV	700	35	25–50	220–240	88	97 x 43 x 30	28002485
LC 35W 800mA fixC SC ADV	800	35	25–45	220–240	89	97 x 43 x 30	28002486
LC 38W 900mA fixC SC ADV2	900	38	27.0–37.8	220–240	88	97 x 43 x 30	87500894
LC 40W 900mA fixC SC ADV	900	40	25–45	220–240	89	97 x 43 x 30	28002487
LC 44W 900mA fixC SC ADV2	900	44	31.5–44.1	220–240	88	97 x 43 x 30	87500895
LC 47W 1050mA fixC SC ADV	1,050	47	25–45	220–240	89	130 x 43 x 30	28002488
LC 60W 1050mA fixC SC ADV	1,050	47	31–57	220–240	89	130 x 43 x 30	28002489
ACU SC 43x30mm CLIP-ON SR SET (Optional pluggable strain relief for the Stretched Compact housing)						30 x 43 x 30	28001168
ACU SC 15x43x30mm CLIP-ON SR (Optional pluggable strain relief for the Stretched Compact housing)						15 x 43 x 30	28001574

Further details can be found in the datasheet

Compact casing type, Stretched Compact (SC), SNC2

For spot- and downlights, lay-in luminaires

At a glance:

Driver SNC2 | Stretched Compact (SC)

- Fixed-Output LED driver
- Can be either used build-in or independent with clip-on strain relief (see accessory)
- LED driver with cable-clamp
- Constant current LED driver
- For luminaires of protection class I and II
- Temperature protection as per EN 61347-2-13 C5e
- Output power 700 or 1,400 mA
- Nominal life-time up to 50,000 h
- 5-year guarantee



Constant current driver SNC | Stretched Compact

Type	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V _{ac})	Size (mm)	Order No.
LC 8/180/44 fixC SC SNC2	180	8	30–44	220–240	70 x 43 x 22,5	87500793
LC 8/200/40 fixC SC SNC2	200	8	23–40	220–240	70 x 43 x 22,5	87500794
LC 10/250/40 fixC SC SNC2	250	10	23–40	220–240	70 x 43 x 22,5	87500795
LC 10/350/29 fixC SC SNC2	350	10	17–29	220–240	70 x 43 x 22,5	87500796
LC 10/500/20 fixC SC SNC2	500	10	11–20	220–240	70 x 43 x 22,5	87500797
LC 10/700/14,5 fixC SC SNC2	700	10	8–14,5	220–240	70 x 43 x 22,5	87500798
LC 15/300/50 fixC SC SNC2	300	15	28–50	220–240	70 x 43 x 22,5	87500718
LC 15/350/43 fixC SC SNC2	350	15	25–43	220–240	70 x 43 x 22,5	87500729
LC 25/350/71 fixC SC SNC2	350	25	45–71	220–240	97 x 43 x 30	87500732
LC 25/500/43 fixC SC SNC2	500	25	27–43	220–240	97 x 43 x 30	87500733
LC 25/600/42 fixC SC SNC2	600	25	27–42	220–240	97 x 43 x 30	87500734
LC 25/700/36 fixC SC SNC2	700	25	23–36	220–240	97 x 43 x 30	87500735
LC 30/350/86 fixC SC SNC2	350	30	43–86	220–240	97 x 43 x 30	87500736
LC 30/500/54 fixC SC SNC2	500	30	27–54	220–240	97 x 43 x 30	87500737
LC 30/700/43 fixC SC SNC2	700	30	27–43	220–240	97 x 43 x 30	87500739
LC 35/800/43 fixC SC SNC2	800	35	23–43	220–240	97 x 43 x 30	87500740
LC 40/900/45 fixC SC SNC2	900	40	27–45	220–240	97 x 43 x 30	87500744
LC 40/1050/39 fixC SC SNC2	1,050	40	23–39	220–240	97 x 43 x 30	87500745
LC 45/1050/43 fixC SC SNC2	1,050	45	25–43	220–240	97 x 43 x 30	87500764
LC 50/1200/42 fixC SC SNC2	1,200	50	26–42	220–240	115 x 43 x 30	87500766
LC 60/700/86 fixC SC SNC2	700	60	47–86	220–240	130 x 43 x 30	87500767
LC 60/1400/43 fixC SC SNC2	1,400	60	25–43	220–240	130 x 43 x 30	87500770
ACU SC 43x30mm CLIP-ON SR SET (Optional pluggable Strain relief for the Stretched Compact housing)					30 x 43 x 30	28001168
ACU SC 15x43x30mm CLIP-ON SR (Optional pluggable Strain relief for the Stretched Compact housing)					15 x 43 x 30	28001574

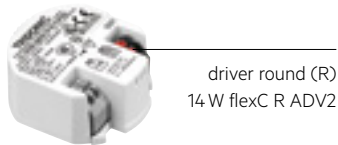
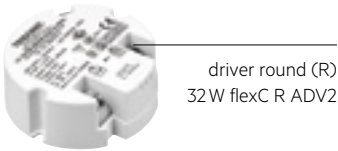
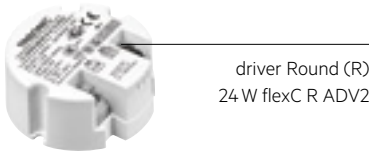
Further details can be found in the datasheet

Constant current driver round (R), built-in, ADV2

Two selectable output currents

The round advanced driver (ADV) can be used both for luminaires in protection class I and protection class II. A 36 watt version with optional 850 or 900 mA extends the possible applications of the driver series – as does the additional extra-slim design, which can be perfectly integrated in small spotlights. Each driver has two output currents, which can be selected via a plug-in jumper. This not only reduces the amount of article numbers, but also the logistical effort. New plug-in terminals also simplify the wiring.

- At a glance:
- Driver round ADV2**
- Fixed-output built-in LED driver
 - Typical applications: spot light, track light and wall light
 - Adjustable output current 250 – 900 mA
 - Up to 90 % efficiency
 - For ambient temperatures up to 60 °C
 - For luminaires of protection class I and II
 - Nominal life-time up to 50,000 h (at ta 50 °C)
 - 5-year guarantee



Constant current driver round ADV2 | built-in

Type	Output current (mA)	Output voltage range (V)	Output power (W)	Input voltage (V)	Efficiency (%)	Size (mm)	Order No.
LC 14 W/250-350/40 mA flexC R ADV2	350	24-40	14	220-240	90	47 x 42 x 20 mm	28003210
LC 24 W/500-600/40 mA flexC R ADV2	600	24-40	24	220-240	90	ø56 x 25 mm	28003211
LC 32 W/700-800/40 mA flexC R ADV2	800	24-40	32	220-240	90	ø65 x 25 mm	28003212
LC 36 W/850-900/40 mA flexC R ADV2	900	24-40	36	220-240	90	ø65 x 25 mm	28003213
LC 24 W/500-600/40 mA flexC R ADV2 F	600	24-40	24	220-240	90	60.7 x 44.5 x 21 mm	28003215

Further details can be found in the datasheet



in-track driver EXC, ADV

Essential for perfect track lights

Essential for track lighting

Tridonic makes a further contribution to the trend towards miniaturisation with its in-track drivers with up to 40 watts.

Drivers and adapters – available in black, grey or white – can be integrated into a 230 V 3-phase track, taking up little space, which means that a separate trackbox is no longer required. The drivers are available in fixed-output and DALI-dimming versions or with the integrated Casambi-ready basicDIM Wireless module, as required.

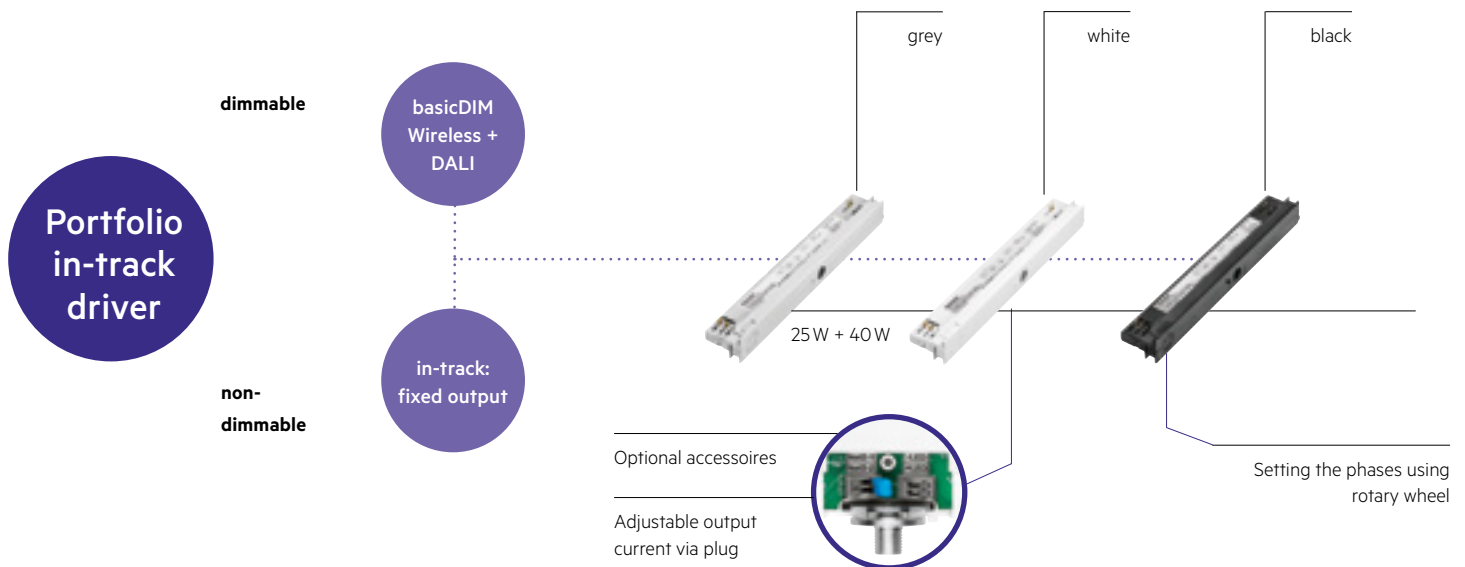
Thanks to the wide operating window of 350 to 600 mA or 500 to 1,050 mA, the in-track driver can be combined with any LED spot-light module. Depending on the model, the output currents can be easily adjusted via I-SELECT 2 plug, companionSUITE or basicDIM Wireless – in the excite series (EXC), even in increments of 1 mA.

The NFC interface enables the simultaneous programming of entire packing units with up to 10 drivers in a single process.

At a glance:

3PH driver in-track

- Constant current/track LED driver
- Output current adjustable between 350–1,050 mA,
- with I-SELECT 2 plug or DALI technology
- EXC version: In-field programming with NFC interface possible
- Low flicker < 5 %
- Available in black, white and grey
- Nominal life time up to 100,000 h
- 5-year guarantee



Interfaces

Near field communication (NFC)



one4all (DALI-2, switchDIM, corridorFUNCTION)



At a glance:

Driver basicDIM Wireless in-track

- Casambi-ready dimmable driver for direct installation in 3-phase tracks
- For scaled-back spotlight and track lighting without trackboxes
- NFC interface for multiprogramming and easy parametrisation
- On-site adjustment via 4service NFC app
- Output current adjustable via companionSUITE or basicDIM Wireless
- Dimming range: 1 – 100 %
- Life time 100,000 h
- 5-year guarantee

in-track driver, SNC

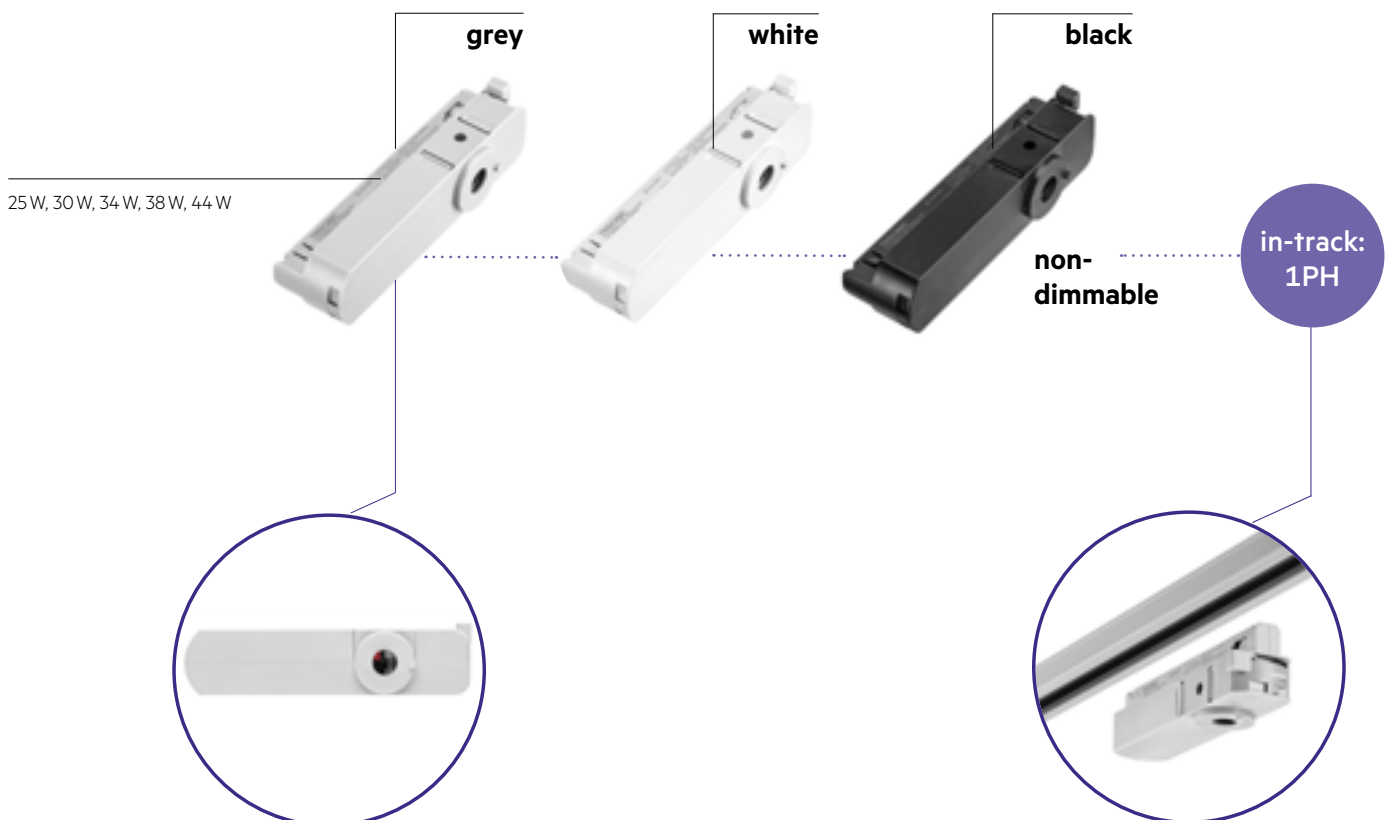
1-phase busbars

The essence (SNC) drivers have been designed for direct installation in 1-phase tracks. The compact housing combines driver and adapter. As one of the shortest in-track drivers on the market, it creates the basis for scaled-back spotlight and track lighting. In terms of light quality, the 1-phase in-track driver's low flicker value is particularly impressive.

At a glance:

1-Phase in track driver SNC

- Efficiency up to 90 %
- Compatible with all current COBs (Vf 30–42 V)
- Available in black, white and grey



LED driver

in-track driver for 1–3 phase track systems

DALI and basicDIM Wireless dimmable, fixed output

basicDIM Wireless driver

Wireless dimmable constant current driver EXC with adjustable current and configurable via NFC | in-track

Type	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V _{ac})	Size (mm)	Order No.	
Interface driver excite (EXC) via NFC								
LC 25/350-600/42 bDW NF T-B EXC3*	350–600	14**–42***	25	yes	220~240	231 x 42.4 x 32	28003054	
LC 25/350-600/42 bDW NF T-W EXC3*							28003055	
LC 25/350-600/42 bDW NF T-G EXC3*							28003056	
LC 40/500-1050/42 bDW NF T-B EXC*	500–1,050	14**–42***	40	yes	220~240	231 x 42.4 x 32	28003057	
LC 40/500-1050/42 bDW NF T-W EXC*							28003058	
LC 40/500-1050/42 bDW NF T-G EXC*							28003059	
ACU ALU NIPPLE M10x1 (Optional accessory for mounting the luminaire head)							Ø 24.8 x 16.5	28002398
** Device operates down to 4V output voltage. It cannot be guaranteed that harmonics and EMI stay inside the limits. This has to be checked individually								
*** 42 V til 950 mA, 38 V at 1,050mA								
Further information can be found in the datasheet								

3-phase track driver

Dimmable constant current driver EXC3 with adjustable current and configurable via companionSUITE or DALI | in-track

Type	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V _{ac})	Size (mm)	Order No.
Interface one4all, NFC, basicDIM Wireless							
LC 25/350-600/42 flexC NF T-B EXC3	350–600	14** – 42***	25	ja	220~240	260 x 42.4 x 32	87500896
LC 25/350-600/42 flexC NF T-W EXC3							87500897
LC 25/350-600/42 flexC NF T-G EXC3							87500898
LC 40/500-1050/42 o4a NF T-B EXC3	500–1,050	14** – 42***	40	ja	220~240	260 x 42.4 x 32	87500899
LC 40/500-1050/42 o4a NF T-W EXC3							87500900
LC 40/500-1050/42 o4a NF T-G EXC3							87500901
ACU ALU NIPPLE M10x1 (Optional accessory for mounting the luminaire head)						Ø 24.8 x 16.5	28002398
** Device operates down to 4V output voltage. It cannot be guaranteed that harmonics and EMI stay inside the limits. This has to be checked individually							
*** 42 V iil 950 mA, 38 V at 1,050mA							
Further information can be found in the datasheet							

Dimmable constant current driver EXC3 with adjustable current and configurable via I-SELECT 2 or DALI | in-track

Type	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V _{ac})	Size (mm)	Order No.
Interface one4all, I-SELECT 2							
LC 25/350-600/42 o4a T-B EXC3	350–600	14** – 42***	25	yes	220~240	260 x 42.4 x 32	87500908
LC 25/350-600/42 o4a T-W EXC3							87500909
LC 25/350-600/42 o4a T-G EXC3							87500910
LC 40/500-1050/42 o4a T-B EXC3	500–1,050	14**– 42***	40	yes	220~240	260 x 42.4 x 32	87500911
LC 40/500-1050/42 o4a T-W EXC3							87500912
LC 40/500-1050/42 o4a T-G EXC3							87500913
Accessories							
ACU ALU NIPPLE M10x1 (Optional accessory for mounting the luminaire head)						Ø 24.8 x 16.5	28002398
** Device operates down to 4V output voltage. It cannot be guaranteed that harmonics and EMI stay inside the limits. This has to be checked individually							
*** 42 V til 950 mA, 38 V at 1,050mA							
Further information can be found in the datasheet							

in-track driver for 1–3 phase track systems

DALI and basicDIM Wireless dimmable, fixed output

Constant current driver EXC with adjustable current and configurable via NFC | in-track

Type	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V _{ac})	Size (mm)	Order No.
Constant current driver excite (EXC) via NFC							
LC 25/350-600/42 flexC NF T-B EXC	350–600	12**–42***	25	yes	220–240	230.8 x 31.9 x 42.7	87500788
LC 25/350-600/42 flexC NF T-W EXC							87500819
LC 25/350-600/42 flexC NF T-G EXC							87500906
LC 40/500-1050/42 flexC NF T-B EXC	500–1,050	12**–42***	40	yes	220–240	230.8 x 31.9 x 42.7	87500792
LC 40/500-1050/42 flexC NF T-W EXC							87500820
LC 40/500-1050/42 flexC NF T-G EXC							87500907
ACU ALU NIPPLE M10x1 (Optional accessory for mounting the luminaire head)						Ø 24.8 x 16.5	28002398

** Device operates down to 4V output voltage. It cannot be guaranteed that harmonics and EMI stay inside the limits. This has to be checked individually

*** 42 V til 950 mA, 38 V at 1,050mA

Further information can be found in the datasheet

Constant current driver ADV with adjustable current and configurable via I-SELECT 2 | in-track

Type	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V _{ac})	Size (mm)	Order No.
Constant current driver advanced (ADV) via I-SELECT 2							
LC 25/350-600/42 flexC T-B ADV	350–600	12**–42***	25	yes	220~240	230.8 x 31.9 x 42.7	87500787
LC 25/350-600/42 flexC T-W ADV							87500789
LC 25/350-600/42 flexC T-G ADV							87500904
LC 40/500-1050/42 flexC T-B ADV	500–1,050	12**–42***	40	yes	220~240	230.8 x 31.9 x 42.7	87500791
LC 40/500-1050/42 flexC T-W ADV							87500790
LC 40/500-1050/42 flexC T-G ADV							87500905
ACU ALU NIPPLE M10x1 (Optional accessory for mounting the luminaire head)						Ø 24.8 x 16.5	28002398

** Device operates down to 4V output voltage. It cannot be guaranteed that harmonics and EMI stay inside the limits. This has to be checked individually

*** 42 V til 950 mA, 38 V at 1,050mA

Further information can be found in the datasheet

1 phase track driver SNC | in-track

Type	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V _{ac})	Size (mm)	Order No.
1-Phase in-track LED driver							
LC 25/600/42 fixC T-B SNC	600	30-42	25.2	yes	220–240	150 x 34 x 38	28003361
LC 25/600/42 fixC T-W SNC							28003356
LC 25/600/42 fixC T-G SNC							28003366
LC 30/700 fixC T-B SNC	700	30-42	29.4	yes	220–240	150 x 34 x 38	28003362
LC 30/700 fixC T-W SNC							28003367
LC 30/700 fixC T-G SNC							28003357
LC 34/800 fixC T-B SNC	800	30-42	33.6	yes	220–240	150 x 34 x 38	28003363
LC 34/800 fixC T-W SNC							28003358
LC 34/800 fixC T-G SNC							28003368
LC 38/900 fixC T-B SNC	900	30-42	37.8	yes	220–240	150 x 34 x 38	28003364
LC 38/900 fixC T-W SNC							28003359
LC 38/900 fixC T-G SNC							28003369
LC 44/1050 fixC T-B SNC	1,050	30-42	44.1	yes	220–240	150 x 34 x 38	28003365
LC 44/1050 fixC T-W SNC							28003360
LC 44/1050 fixC T-G SNC							28003370

Further information can be found in the datasheet

one4all multiple-channel DT6 driver, PRE

Driver PRE | multichannel DT6

Multiple channels in one driver are ideal for the efficient operation of pendants and floor stands with direct/indirect light or for simple Tunable White applications. The output currents can be set varied via I-SELECT 2 plugs or DALI for each channel.

What's more, proportionSWITCH provides the option of selecting from dimming scenes. The one4all interface, which covers DALI DT6, DSI, switchDIM and corridorFUNCTION V2, adds to this high level of flexibility.



LCA 38 W 350-1,050 mA
2x CH C PRE



LCA 50 W 350-1,050 mA
2x CH Ip PRE



LCA 38 W 350-1,050
2x CH SR PRE

Type	Output current (mA)	Output voltage range (V)	Output power (W)	Input voltage (V _{ac})	Size (mm)	Order No.
LCA 50W 350-1050mA 2xCH Ip PRE	350–1,050	20–50	50	220–240	360 x 30 x 21	28001910
LCA 85W 600-1800mA 2xCH Ip PRE	600–1,800	20–50	85	220–240	360 x 30 x 21	28002829
LCA 100W 350-1050mA 4xCH Ip PRE	350–1,050	20–50	100	220–240	360 x 40 x 21	28001912
LCA 38W 350-1050mA 2xCH C PRE	350–1,050	20–50	38	220–240	120 x 70 x 28	28002201
LCA 38W 350-1050mA 2xCH SR PRE	350–1,050	20–50	38	220–240	215 x 70 x 31	28002204

Further details can be found in the datasheet

Interfaces

one4all (DALI-2, switchDIM, corridorFUNCTION)



Tunable White DT8 driver, PRE



Driver PRE | Tunable White DT8

Combined with the Tunable White modules from Tridonic, the calibrated kits ensure that the colour locations remain constant throughout all dimming levels, as well as the light flow remains constant when color changes.

Other advantages are provided by the extremely high efficiency of up to 90 percent and the significantly extended dimming range of 1 to 100 percent. Equipped with colourSWITCH and switchDIM, the drivers also combine continuously adjustable, predefined colours and simple control. The DT8 drivers meet the current DALI-2 standards for Tunable White.



LCA 38 W 350-1050 mA
DT8 C PRE



LCA 50 W 350-1050 DT8 Ip PRE



LCA 38 W 350-1050 mA
DT8 SR PRE

Type	Output current (mA)	Output voltage range (V)	Output power (W)	Input voltage (V _{ac})	Size (mm)	Order No.
LCA 50W 350-1050mA DT8 Ip PRE	350–1,050	20–50	50	220–240	360 x 30 x 21	28001909
LCA 85W 600-1800mA DT8 Ip PRE	600–1,800	20–50	85	220–240	360 x 30 x 21	28002830
LCA 100W 350-1050mA 2xDT8 Ip PRE	350–1,050	20–50	100	220–240	360 x 40 x 21	28001911
LCA 38W 350-1050mA DT8 C PRE	350–1,050	20–50	38	220–240	120 x 70 x 28	28002199
LCA 38W 350-1050mA DT8 SR PRE	350–1,050	20–50	38	220–240	215 x 70 x 31	28002202

Further details can be found in the datasheet

basicDIM Wireless integrated driver PRE

Casambi Ready

The advantages of drivers with integrated basicDIM wireless technology

With the drivers of the premium (PRE) series, only one device per luminaire needs to be installed, which saves a lot of space. Since no additional wiring is required, the costs are also considerably reduced.



At a glance:

basicDIM Wireless driver constant current PRE (CV)

- Dimmable constant current LED driver
- Can be used for luminaire installation or independently with snap-on cable clamp
- lumDATA for storage and transmission of luminaire, energy and diagnostic data
- Adjustable output current via ready2mains™ Programmer, basicDIM Wireless or I-SELECT 2 Plug
- Service life 100,000 h
- 5-year guarantee



At a glance:

basicDIM Wireless driver constant voltage PRE (CC)

- Dimmable 24 V constant voltage LED driver for flexible constant voltage strips
- Small design with stretched-compact strain relief
- lumDATA for storage and transmission of luminaire, energy and diagnostic data
- basicDIM Wireless enables different dimming options 1 - 100 %
- Nominal life-time up to 50,000 h
- 5-year guarantee



At a glance:

basicDIM Wireless driver Tunable White PRE (C)

- Built-in dimmable constant current 2-channel LED driver
- Adjustable output current via basicDIM Wireless or I-SELECT 2 Plug
- Nominal life-time up to 100,000 h
- 5-year guarantee



At a glance:

basicDIM Wireless driver Tunable White PRE (SR)

- Independent dimmable constant current 2-channel LED driver
- Adjustable output current via basicDIM Wireless or I-SELECT 2 Plug
- Nominal life-time up to 100,000 h
- 5-year guarantee



At a glance:

basicDIM Wireless driver in-track

- Casambi-ready dimmable driver for direct installation in 3-phase tracks
- For scaled-back spotlight and track lighting without trackboxes
- NFC interface for multiprogramming and easy parametrisation
- On-site adjustment via 4service NFC app
- Output current adjustable via companionSUITE or basicDIM Wireless
- Dimming range: 1–100%
- Life time 100,000 h
- 5-year guarantee

basicDIM Wireless integrated driver PRE

Casambi Ready

Wireless dimmable constant current driver PRE configurable via companionSUITE | Stretched Compact

Type	Output current (mA)	Output voltage range (V)	Output power (W)	Efficiency	Input voltage (V _{ac})	lumDATA	Size (mm)	Order No.
LC 10/150-400/40 bDW SC PRE2	150-400	15-40	10	82	220-240	yes	130 x 43 x 30	28002411
LC 17/250-700/50 bDW SC PRE2	250-700	15-50	17	86	220-240	yes	130 x 43 x 30	28002412
LC 25/350-1050/50 bDW SC PRE2	350-1,050	20-50	25	90	220-240	yes	130 x 43 x 30	28002413
LC 45/500-1400/50 bDW SC PRE2	500-1,400	25-50	45	91	220-240	yes	150 x 43 x 30	28002414

Further information can be found in the datasheet

Wireless dimmable constant current driver PRE configurable via companionSUITE | Stretched Compact

Type	Output current (mA)	Output voltage range (V)	Output power (W)	Efficiency	Input voltage (V _{ac})	lumDATA	Size (mm)	Order No.
LC 35/24V bDW SC PRE2	146-1,453	24	35	89	220-240	yes	195 x 43 x 30.2	28002415
LC 60/24V bDW SC PRE2	250-2,500	24	60	93	220-240	yes	225 x 43 x 30.2	28002416
LC 100/24V bDW SC PRE2	417-4,167	24	100	93	220-240	yes	295 x 43 x 29.8	28002417
LC 150/24V bDW SC PRE2	625-6,250	24	150	94	220-240	yes	325 x 43 x 29.8	28002418

Further details can be found in the datasheet

Wireless dimmable Tunable White driver PRE configurable via companionSUITE | Independent (SR), Compact (C)

Type	Output current (mA)	Output voltage range (V)	Output power (W)	Efficiency	Input voltage (V _{ac})	Size (mm)	Order No.
LC 38/350-1050/50 bDW TW SR PRE2	350-1,050	20-50	38	87	220-240	215 x 70 x 31	28002584
LC 38W 350-1050 mA bDW TW C PRE2	350-1,050	20-50	38	87	220-240	120 x 70 x 28.3	28002858

Further details can be found in the datasheet

Wireless dimmable constant current driver EXC with adjustable current and configurable via NFC | in-track

Type	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V _{ac})	Size (mm)	Order No.
Constant current Driver excite (EXC) via NFC							
LC 25/350-600/42 bDW NF T-B EXC3*	350-600	14**-42	25	ja	220-240	231 x 42.4 x 32	28003054
LC 25/350-600/42 bDW NF T-W EXC3*							28003055
LC 25/350-600/42 bDW NF T-G EXC3*							28003056
LC 40/500-1050/42 bDW NF T-B EXC*	500-1,050	14**-42***	40	ja	220-240	231 x 42.4 x 32	28003057
LC 40/500-1050/42 bDW NF T-W EXC*							28003058
LC 40/500-1050/42 bDW NF T-G EXC*							28003059
ACU ALU NIPPLE M10x1 (Optional accessory for mounting the luminaire head)						Ø 24.8 x 16.5	28002398

*Available soon *** Device works up to an output voltage of 4V. It cannot be guaranteed that the harmonics and EMC remain within the limits. This must be checked individually

Dimmable driver series 48 V EXC

For decorative lighting

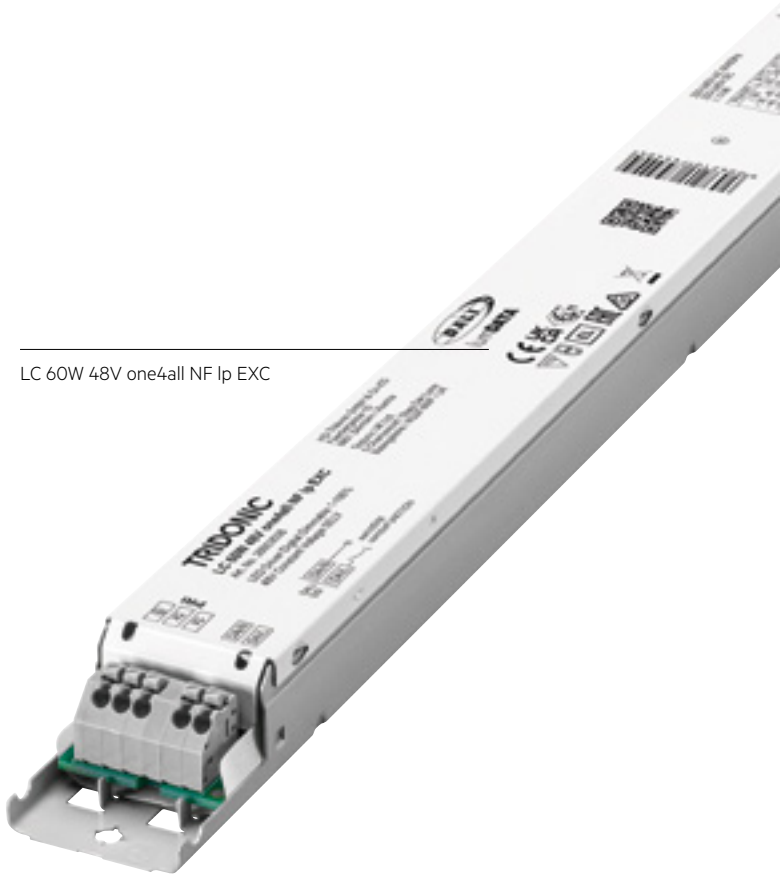
The driver series with 48-volt voltage offers maximum flexibility. This is due on the one hand to the one4all interface for different dimming options, and on the other hand to its selection of different designs: The stretchend compact version can be used for luminaire installation or - combined with a snap-on strain relief - as an

independent driver. The low-profile housing is also available with a 16 mm height just for 35 W Ip variant. With lumDATA, the excite series (EXC) is also equipped with the current DALI-2 specifications for storing and passing on various data.

At a glance:

Driver 48 V EXC

- Dimmable, DALI-2-certified driver series for cove lighting, façade lighting, accent lighting and indirect ceiling lighting
- Optimum combination options for the flexible LED light strip LLE FLEX 48 V EXC from Tridonic
- Available in Stretched Compact and low profile versions and low profile with 21 and 16 mm height
- Dimming range: 1–100 %
- one4all interface (DALI-2, DSI, switchDIM, corridorFUNCTION)
- fade2zero function
- Simple configuration via NFC interface
- lumDATA (luminaire data, energy report, diagnosis and maintenance)



LC 60W 48V one4all NF Ip EXC

Type	Output voltage range (V)	Output power (W)	Input voltage (V _{ac})	Size (mm)	Order No.
LC 35W 48V one4all NF SC EXC	48	35	220~240	195 x 43 x 30	28003533
LC 60W 48V one4all NF SC EXC	48	60	220~240	195 x 43 x 30	28003534
LC 100W 48V one4all NF SC EXC	48	100	220~240	225 x 43 x 30	28003535
LC 35W 48V one4all NF h16 EXC	48	35	220~240	360 x 30 x 16,3	28003537
LC 60W 48V one4all NF Ip EXC	48	60	220~240	360 x 30 x 21	28003538
LC 100W 48V one4all NF Ip EXC	48	100	220~240	425 x 30 x 21	28003539
LC 35W 48V one4all NF SC EXC SP	48	35	220~240	195 x 43 x 30	28003540
LC 60W 48V one4all NF SC EXC SP	48	60	220~240	195 x 43 x 30	28003541
LC 100W 48V one4all NF SC EXC SP	48	100	220~240	225 x 43 x 30	28003542

Further details can be found in the datasheet

Simple configuration



Simple configuration

LED drivers from Tridonic are suitable for general use and offer impressive functionality

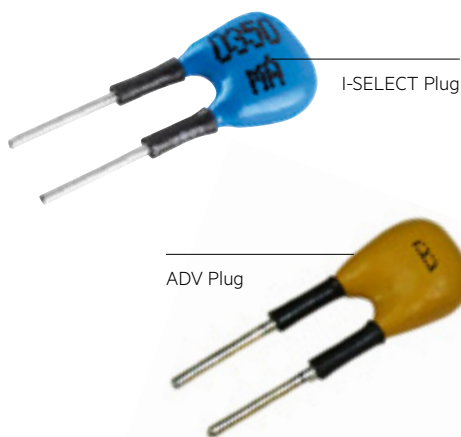
The operating current is one of the most important parameters for the efficient application-specific use of an LED module. LED drivers from Tridonic offer following options for setting this current with a high degree of flexibility:

I-SELECT 2 interface and ADV Plug

Perfect for manual configuration of a small number of devices. Resistor-coded plugs defined with the required values are simply inserted in the appropriate terminals on drivers excite (EXC) and premium (PRE) series with I-SELECT 2 Plug and advanced series with ADV plug. Tridonic offers plugs for the most common current values. The I-SELECT 2 interface also allows the use of resistance that can be chosen depending on the desired initial current.

one4all Interface

LED lighting with DALI, DSI, switchDIM or corridorFUNCTION (PRE) LED lighting with DALI, switchDIM or corridorFUNCTION without DSI (EXC): The digital one4all interface ensures proper operation and integration in various lighting control systems.

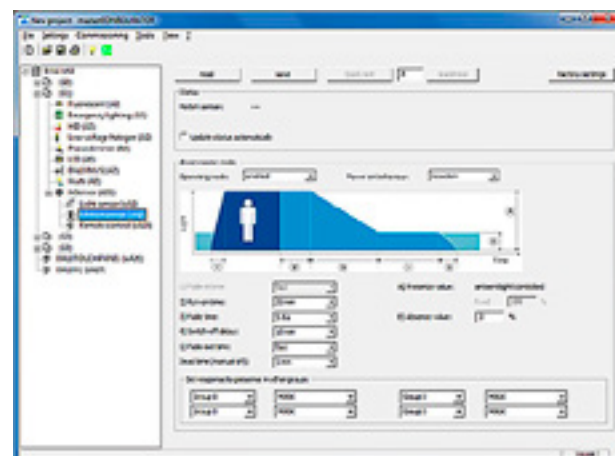


Multiple programming via Near Field Communication (NFC)

The NFC interface offers the possibility of adjusting currents quickly and easily. Up to 20 drivers can be programmed in a single work step. In connection with the companionSUITE software, production processes can be handled more simply and quickly, and at the same time, configuration costs can be reduced. Programming is carried out on the driver without a 230 V AC supply (powerless) and without cables (contactless).

Convenient optimisation of processes

The Tridonic companionSUITE software package supports luminaire manufacturers with the generation, transmission and control of driver settings. It not only contributes to sustainable process optimization in production, but also supports quality management in analysing and eliminating potential sources of error. Drivers can also be configured on site using the specially designed app – wirelessly and conveniently via a smartphone.



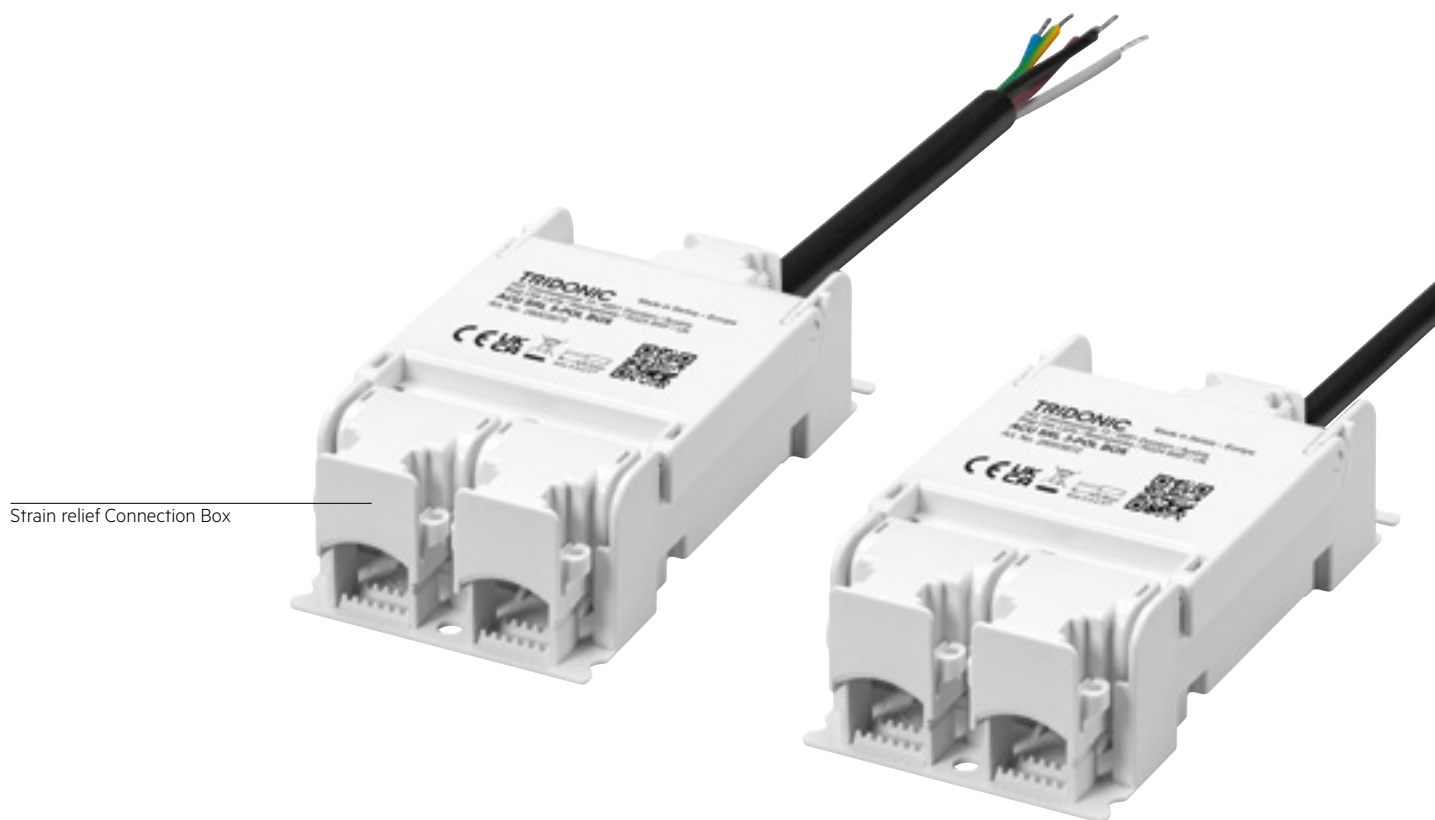
In addition, all the parameters of driver PRE can be configured for maximum effect. The current can be adjusted in 1 mA increments for individual matching to the required luminous fluxes.

- **DALI** (Digital Addressable Lighting Interface) is an interface protocol for digital communication between electronic lighting equipment.
- **DSI** (Digital Serial Interface) enables DSI ECGs to be controlled. The luminaires are switched via the control line irrespective of the cabling for the power supply.
- **switchDIM** works with the mains voltage as a control signal and make it possible to dim the driver via a standard Button.
- **The corridorFUNCTION** performs complex processes with ease. Standard motion detectors and luminaires with one4all LED drivers is all that is required to provide presence controlled lighting. The corridorFUNCTION can be programmed so that if there is no one in the room the light is not switched off – as is the case with non-dimmable ballasts – but dimmed to the programmable level. It can then be switched off automatically after a preset delay.

Strain relief Connection Box

Strain relief Connection Box

The Connection box with LINECT interface has been specially developed for independent luminaires with connector system and helps make installation easy and quick. Added to this is an optimised strain relief concept that enables the mains connection to be made without tools and supports loop-through cables for all common luminaire types.



Strain relief Connection Box

Auf einen Blick:

ACU SRL Connection Box 3 POL / 5 POL

- Strain relief Connection Box with pre-installed cable for connecting a driver
- For 3-terminal or 5-terminal LINECT connectors
- LINECT interface for all common cable suppliers on the market (one size fits all)
- New terminal for stranded and solid wires
- Suitable for luminaires in protection class I or II

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Light you want to follow.

