

LED Driver

# Driver ESSENCE

Attractive price in proven Tridonic quality



# TRIDONIC

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## Attractive price in proven Tridonic quality

### Positioning in the Tridonic portfolio

#### ESSENCE

Cost-effective

#### ADVANCED

Simplicity itself

#### EXCITE

Flexible

#### PREMIUM

Convenient

### Overview of casing types

#### Linear Low Profile



For area luminaires, high bay linear, decorative and free-standing luminaires with a 45° terminal on both input and output side

#### Built-in



For spotlights, downlights, track lights and 2.5 mm input terminal

#### Independent



For spotlights, downlights e.g. when recessing the LED Driver in the ceiling for compact downlight solutions

#### Stretched Compact



For downlights, spotlights, floor-wall luminaires

**The LED Driver ESSENCE series provides the best compromise between an attractive price and qualified performance. With a focus on application-related functions, the LED Driver range offers good Tridonic proven quality and performance that ensures reliable operation of your LED module.**

The LED Drivers are compatible with many LED modules from Tridonic and provide an optimal system solutions especially with LED module SLE and LED module DLE.

### At a glance: Driver ESSENCE

- Fixed output built-in, independent, stretched compact and linear low profile non dimmable constant current LED Driver
- Full power range to cover all applications and requirements
- Nominal lifetime up to 50,000 h with 5-year guarantee
- Installation friendly and flexible: the built-in, independent and stretched compact versions provide a 2.5 mm input terminal, Linear Low Profile version provide 45° terminal on both input and output side
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e

# ESSENCE

## Driver ESSENCE | Built-in

Designation	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V)	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 datasheet.

## Driver ESSENCE | Independent

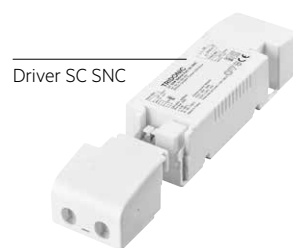
Designation	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V)	Size (mm)	Order No.
LC 10W 250mA fixC SR SNC	250	10	28-40	220-240	101.5 x 51 x 22	87500580
LC 10W 350mA fixC SR SNC	350	10	20-29	220-240	101.5 x 51 x 22	87500581
LC 10W 500mA fixC SR SNC	500	10	14-20	220-240	101.5 x 51 x 22	87500582
LC 10W 700mA fixC SR SNC	700	10	10-14	220-240	101.5 x 51 x 22	87500583
LC 13W 300mA fixC SR SNC	300	13	30-43	220-240	101.5 x 51 x 22	87500571
LC 15W 350mA fixC SR SNC	350	15	30-43	220-240	101.5 x 51 x 22	87500572
LC 20W 350mA fixC SR SNC	350	20	40-57.2	220-240	101.5 x 51 x 22	87500632
LC 20W 500mA fixC SR SNC	500	20	30-43	220-240	101.5 x 51 x 22	87500573
LC 20W 700mA fixC SR SNC	700	20	20-28	220-240	101.5 x 51 x 22	87500574
LC 30W 700mA fixC SR SNC	700	30	30-43	220-240	130 x 68 x 31	87500546
LC 35W 350mA fixC SR SNC	350	35	70-100	220-240	130 x 68 x 31	87500547
LC 35W 500mA fixC SR SNC	500	35	49-70	220-240	130 x 68 x 31	87500548
LC 35W 800mA fixC SR SNC	800	35	30-43	220-240	130 x 68 x 31	87500549
LC 35W 1050mA fixC SR SNC	1,050	35	23-33	220-240	130 x 68 x 31	87500550
LC 40W 900mA fixC SR SNC	900	40	30-43	220-240	130 x 68 x 31	87500551
LC 45W 1050mA fixC SR SNC	1,050	45	30-43	220-240	130 x 68 x 31	87500552
LC 50W 1200mA fixC SR SNC	1,200	50	30-43	220-240	159.4 x 82 x 34	87500553
LC 60W 700mA fixC SR SNC	700	60	60-85	220-240	159.4 x 82 x 34	87500554
LC 60W 1400mA fixC SR SNC	1,400	60	30-43	220-240	159.4 x 82 x 34	87500555

Further details can be found in datasheet.

# ESSENCE

## Driver ESSENCE | Stretched Compact

The new "Stretched Compact" design offers flexible installation depending on the application. For different luminaire types the LED Driver can be used either in its compact form or with an attachable strain relief. This reduces storage costs and increases flexibility. Its dimensions of only 43 x 30 mm enable it to be used in miniaturised applications, such as in mini downlights.



Designation	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V)	Size (mm)	Order No.
LC 25W 600mA fixC SC SNC	600	25	30-43	220-240	97 x 43 x 30	87500459
LC 30W 700mA fixC SC SNC	700	30	30-43	220-240	97 x 43 x 30	87500460
LC 35W 800mA fixC SC SNC	800	35	30-43	220-240	115 x 43 x 30	87500461
LC 40W 900mA fixC SC SNC	900	40	30-43	220-240	115 x 43 x 30	87500462
LC 42W 1050mA fixC SC SNC	1,050	42	28-40	220-240	115 x 43 x 30	87500463
ACU SC 43x30mm CLIP-ON SR SET (Optional clip-on strain relief set for Stretched Compact housing)					30 x 43 x 30	28001168
ACU SC 15x43x30mm CLIP-ON SR (Optional clip-on strain relief set for Stretched Compact housing)					15 x 43 x 30	28001574

Further details can be found in datasheet.

## Driver ESSENCE | Linear Low Profile

The new cost-effective "Linear Low Profile" design with a more compact and robust 21mm high metal casing offers greater flexibility and reliability for your luminaire designs. A new 45° terminal makes installation more user-friendly. It also supports stranded and solid wiring. A full power/voltage range covers all popular applications and requirements.



Designation	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V)	SELV 60 V	Efficiency (%)	Size (mm)	Order No.
LC 10W 350mA fixC Ip SNC	350	10	17-29	220-240	yes	83	145 x 22 x 21	87500606
LC 25W 250mA fixC Ip SNC	250	25	60-100	220-240	no	89	230 x 30 x 21	87500440
LC 25W 300mA fixC Ip SNC	300	25	50-83	220-240	no	90	230 x 30 x 21	87500439
LC 25W 350mA fixC Ip SNC	350	25	43-71	220-240	no	90	230 x 30 x 21	87500438
LC 25W 500mA fixC Ip SNC	500	25	30-50	220-240	no	89	230 x 30 x 21	87500464
LC 35W 250mA fixC Ip SNC	250	35	84-140	220-240	no	93	230 x 30 x 21	87500441
LC 35W 300mA fixC Ip SNC	300	35	70-117	220-240	no	92	230 x 30 x 21	87500465
LC 35W 350mA fixC Ip SNC	350	35	60-100	220-240	no	92	230 x 30 x 21	87500442
LC 35W 700mA fixC Ip SNC	700	35	30-50	220-240	no	90	230 x 30 x 21	87500443
LC 50W 250mA fixC Ip SNC	250	50	120-200	220-240	no	92	230 x 30 x 21	87500444
LC 50W 300mA fixC Ip SNC	300	50	100-167	220-240	no	92	230 x 30 x 21	87500446
LC 50W 350mA fixC Ip SNC	350	50	86-143	220-240	no	92	230 x 30 x 21	87500445
LC 50W 700mA fixC Ip SNC	700	50	43-71	220-240	no	91	230 x 30 x 21	87500447
LC 50W 1050mA fixC Ip SNC	1,050	50	29-48	220-240	no	89	230 x 30 x 21	87500466
LC 65W 300mA fixC Ip SNC	300	65	130-218	220-240	nein	90	280 x 30 x 21	87500704
LC 65W 700mA fixC Ip SNC	700	65	56-93	220-240	no	90	280 x 30 x 21	87500467
LC 65W 1050mA fixC Ip SNC	1,050	65	37-62	220-240	no	90	280 x 30 x 21	87500468
LC 65W 1400mA fixC Ip SNC	1,400	65	28-46	220-240	no	90	280 x 30 x 21	87500469
LC 65W 1750mA fixC Ip SNC	1,750	65	22-37	220-240	no	90	280 x 30 x 21	87500470
LC 75W 350mA fixC Ip SNC	350	75	130-218	220-240	no	91	280 x 30 x 21	87500607
LC 80W 1050mA fixC Ip SNC	1,050	80	46-76	220-240	no	92	280 x 30 x 21	87500471
LC 80W 1400mA fixC Ip SNC	1,400	80	34-57	220-240	no	91	280 x 30 x 21	87500472
LC 80W 1750mA fixC Ip SNC	1,750	80	27-46	220-240	no	90	280 x 30 x 21	87500473

Further details can be found in datasheet.

# Support and advice

## From a single source



Engine DLE



Engine CLE



Engine CLE Integrated



Engine LLE-FLEX



Engine SLE



Engine FLE



Engine LLE



Engine QLE

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.

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



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Light you want to follow.

