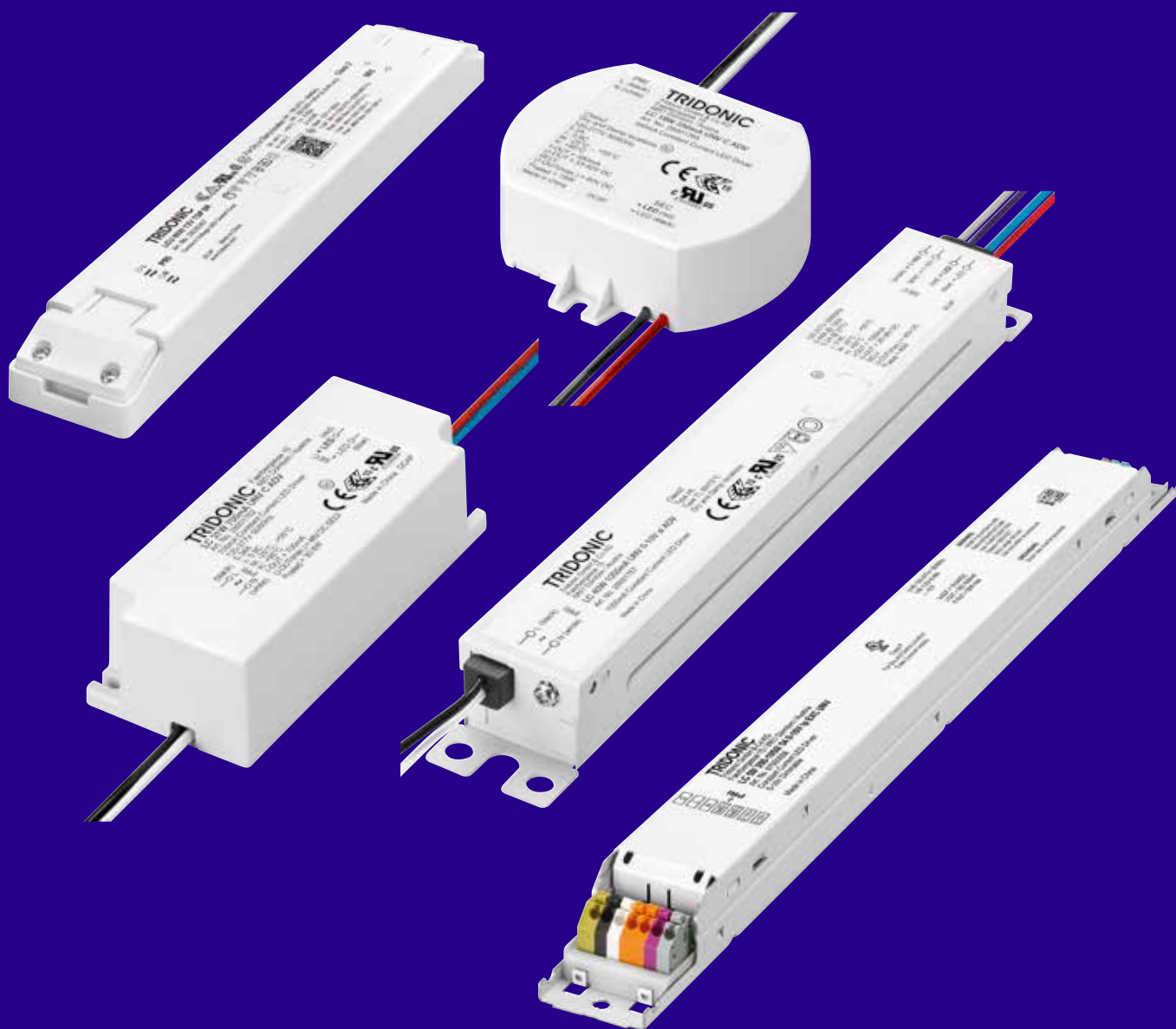


LED Driver

Driver Universal voltage (120–277 V)

Highest flexibility



TRIDONIC

Universal voltage

Highest flexibility

Positioning in the Tridonic portfolio

advanced (ADV)

Simplicity itself

excite (EXC)

Flexible

Overview of casing types

Linear Slim Profile, Built-in



For area luminaires and linear, decorative and free-standing luminaires

Linear Low Profile, Independent



For linear/area lighting in industry applications

Linear Low Profile, Built-in



For spot- and downlights, floor-wall luminaires

Compact, Built-in



For spot- and downlights, floor-wall luminaires

Linear Profile, Independent/Built-in



Constant Voltage (12/24 V) driver especially designed for flex modules and signage lighting.

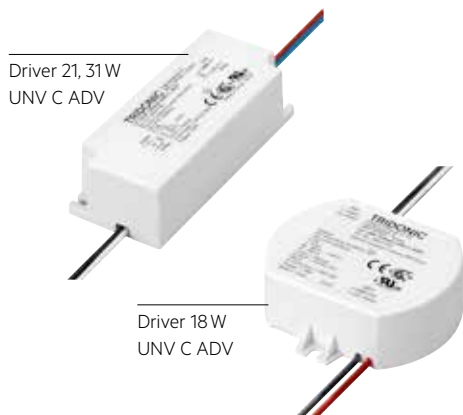
LED Driver series for universal input voltage

With its series of LED Drivers suitable for universal input voltage Tridonic is able to meet a wide range of requirements with optimum results – and throughout the world thanks to global certifications such as ENEC and UL.

The first of these are the advanced (ADV) drivers with the slim profile or compact casing, covering the entire input voltage range from 120 to 277 V. They are therefore ideal for all kinds of applications – from spotlights and downlights to linear and general lighting. A special plug is used to set the current. One of the major benefits of the new drivers is the extended operating temperature range, which guarantees high reliability.

advanced (ADV) Compact, Universal voltage

Simplicity itself



At a glance: Driver compact ADV Universal voltage 120–277 V

- Compact constant current LED Driver
- Universal voltage input 120 – 277 V
- Housing types: Compact
- Casing types: plastic, white

Warranty 5 yrs Lifetime 50,000 hrs Intelligent Temperature protection

Driver advanced (ADV) | Compact (C), Universal voltage 120–277 V

Designation	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V _{ac})	Efficiency (%)	Size (mm)	Order No.
LC 18W 350mA UNV C ADV	350	18	33–52	120–277	84	76.9 x 78.9 x 26.0	28001765
LC 21W 700mA UNV C ADV	700	21	14–28	120–277	86	95 x 40 x 25.4	28001760
LC 31W 700mA UNV C ADV	700	31	29–43	120–277	88	95 x 40 x 25.4	28001762

advanced (ADV) Linear Slim Profile, Universal voltage

Simplicity itself



Driver 35, 40 W
UNV sl ADV

At a glance: Driver Linear ADV Universal voltage 120–277 V

- Dimmable Linear constant current LED Driver
- Universal voltage input 120 – 277 V
- Dimming range of 10% to 100% with 0 ... 10 V
- Housing types: Linear Slim Profile
- Casing types: metal, white

Warranty 5 yrs

Lifetime 50,000 hrs

Intelligent Temperature protection

Driver advanced (ADV) | Linear Slim Profile (sl), Universal voltage 120–277 V

Designation	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V _{ac})	Efficiency (%)	Size (mm)	Order No.
LC 35W 700mA 0-10V UNV sl ADV	700	35	32–51	120–277	85	241.3 x 33 x 25.4	28001766
LC 40W 1050mA 0-10V UNV sl ADV	1,050	40	26–38	120–277	85	241.3 x 33 x 25.4	28001767

advanced (ADV) Universal Voltage INDUSTRY



Driver ADV UNV INDUSTRY

At a glance: Driver ADV Universal Voltage INDUSTRY

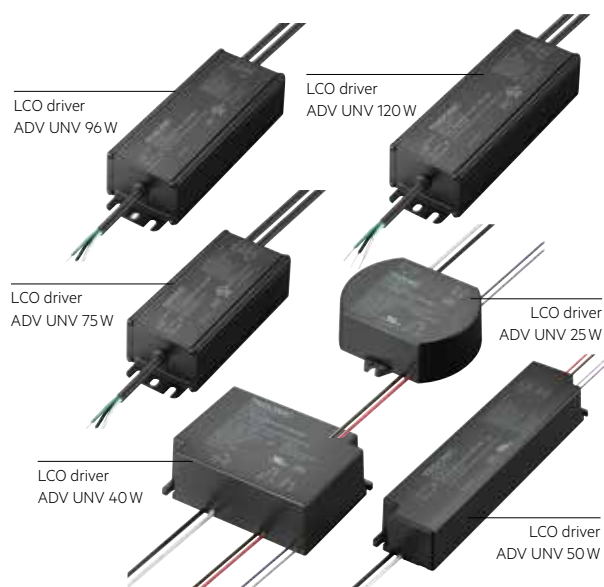
- Independent constant current LED Driver
- For linear/area high-bay luminaires
- Dimmable via 0-10 V
- Extended temperature range of -40 bis +60 °C
- Increased dielectric strength (Surge/Burst) of 6 kV/2 kV
- Type of protection IP67

Warranty 5 yrs Lifetime 100,000 hrs Intelligent Temperature protection

Driver advanced (ADV) | Linear Universal Voltage INDUSTRY

Designation	Output current (mA)	Output power (W)	Output voltage range* (V)	Input voltage (V)	Size (mm)	G(Year)	environment temperature range (°C)	Order No.
LC 200W 1050mA UNV IND	1,050	200	230	110-277	240 x 68 x 37	93.5	-40 to +60	28001786

advanced (adv) compact, Universal voltage OUTDOOR



At a glance: Driver Universal input Voltage advanced (ADV)

- Constant current LED Driver
- Dimmable via 0 ... 10 V interface
- Dimming range 10 – 100 %
- Up to 92 % efficiency
- Dry and damp location
- Type of protection IP67
- 5-year guarantee

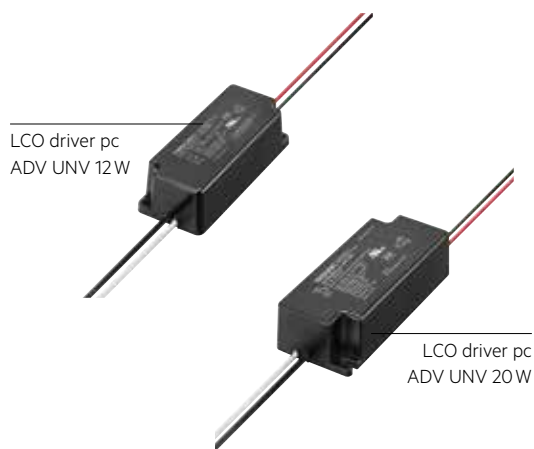
Warranty 5 yrs Lifetime 50,000 hrs Intelligent Temperature protection

Driver Phase-cut advanced (ADV) | Compact (C), Universal voltage 120–277 V

NEW	Designation	Output current (mA)	Output power (W)	Output voltage range ⁹⁾ (V)	Input voltage (V)	Size (mm)	Order No.
	LCO 12/250/48 0-10V C ADV UNV	250	12	24–48	100-277	76 x 31 x 24	28002583
	LCO 12/350/36 0-10V C ADV UNV	350	12	18–36	100-277	76 x 31 x 24	28002252
	LCO 12/500/24 0-10V C ADV UNV	500	12	12–34	100-277	76 x 31 x 24	28002247
	LCO 20/350/57 0-10V C ADV UNV	350	20	29–57	100-277	95.5 x 40 x 25	28002253
	LCO 20/500/40 0-10V C ADV UNV	500	20	20–40	100-277	95.5 x 40 x 25	28002254
	LCO 20/700/28 0-10V C ADV UNV	700	20	14–28	100-277	95.5 x 40 x 25	28002255
	LCO 25/350/72 0-10V C ADV UNV	350	25	36–72	100-277	96 x 71 x 25.2	28002130
	LCO 25/500/48 0-10V C ADV UNV	500	25	24–48	100-277	96 x 71 x 25.2	28002131
	LCO 25/700/36 0-10V C ADV UNV	700	25	13–36	100-277	96 x 71 x 25.2	28002132
	LCO 25/1050/24 0-10V C ADV UNV	1,050	25	12–24	100-277	96 x 71 x 25.2	28002142
	LCO 25/1400/18 0-10V C ADV UNV	1,400	25	09–18	100-277	96 x 71 x 25.2	28002143
	LCO 40/700/57 0-10V C ADV UNV	700	40	28–57	100-277	96 x 71 x 32	28002226
	LCO 40/1000/40 0-10V C ADV UNV	1,000	40	20–40	100-277	96 x 71 x 32	28002229
	LCO 40/1400/28 0-10V C ADV UNV	1,400	40	14–28	100-277	96 x 71 x 32	28002263
	LCO 50/700/72 0-10V C ADV UNV	700	50	36–72	100-277	194.3 x 45.3 x 28	28002149
	LCO 50/1050/48 0-10V C ADV UNV	1,050	50	24–48	100-277	194.3 x 45.3 x 28	28002150
	LCO 50/1250/42 0-10V C ADV UNV	1,250	50	21–42	100-277	194.3 x 45.3 x 28	28002151
	LCO 50/1400/36 0-10V C ADV UNV	1,400	50	13–36	100-277	194.3 x 45.3 x 28	28002152
	LCO 50/2100/24 0-10V C ADV UNV	2,100	50	12–24	100-277	194.3 x 45.3 x 28	28002153
	LCO 75/350/214 0-10V C ADV UNV	350	75	64–214	100-277	150 x 59 x 37	28002154
	LCO 75/700/108 0-10V C ADV UNV	700	75	32–108	100-277	150 x 59 x 37	28002155
	LCO 75/1050/72 0-10V C ADV UNV	1,050	75	22–72	100-277	150 x 59 x 37	28002156
	LCO 75/1560/48 0-10V C ADV UNV	1,560	75	14–48	100-277	150 x 59 x 37	28002157
	LCO 75/1790/42 0-10V C ADV UNV	1,790	75	13–42	100-277	150 x 59 x 37	28002158
	LCO 75/2080/36 0-10V C ADV UNV	2,080	75	11–36	100-277	150 x 59 x 37	28002159
	LCO 96/700/137 0-10V C ADV UNV	700	96	46–137	100-277	172 x 59 x 37	28002160
	LCO 96/1050/91 0-10V C ADV UNV	1,050	96	30–91	100-277	172 x 59 x 37	28002161
	LCO 96/1400/68 0-10V C ADV UNV	1,400	96	23–68	100-277	172 x 59 x 37	28002162
	LCO 96/2000/48 0-10V C ADV UNV	2,000	96	16–48	100-277	172 x 59 x 37	28002163
	LCO 96/2670/36 0-10V C ADV UNV	2,670	96	12–36	100-277	172 x 59 x 37	28002164
	LCO 120/700/171 0-10V C ADV UNV	700	120	86–171	100-277	193 x 59 x 37	28002165
	LCO 120/1050/114 0-10V C ADV UNV	1,050	120	57–114	100-277	193 x 59 x 37	28002166
	LCO 120/1400/86 0-10V C ADV UNV	1,400	120	43–86	100-277	193 x 59 x 37	28002167
	LCO 120/2100/57 0-10V C ADV UNV	2,100	120	29–57	100-277	193 x 59 x 37	28002168

⁹⁾Depending on the selected output current. Further details can be found in datasheet.

Phase-cut (ADV) compact, Universal voltage OUTDOOR



At a glance: Driver Universal input Voltage (ADV) phase-cut

- Constant current LED Driver
- Dimmable via leading edge and trailing edge phase dimmers
- Dimming range 10 – 100 %
- Up to 86 % efficiency
- Dry and damp location
- Type of protection IP66
- 5-year guarantee

Warranty 5yrs Lifetime 50,000 hrs Intelligent Temperature protection

Driver Phase-cut advanced (ADV) | Compact (C), Universal voltage 120–277 V

Designation	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V _{ac})	Size (Inch)	Order No.
LCO 12/350/36 pc C ADV UNV	350	12	22-70	120	85.6 x 35.5 x 23	28000046
LCO 12/700/17 pc C ADV UNV	700	12	10-50	120	85.6 x 35.5 x 23	28002248
LCO 20/350/57 pc C ADV UNV	350	20	34-70	120	95.5 x 40 x 25	28002249
LCO 20/350/40 pc C ADV UNV	500	20	24-50	120	95.5 x 40 x 25	28002250
LCO 20/700/28 pc C ADV UNV	700	20	17-40	120	95.5 x 40 x 25	28002251

⁰Depending on the selected output current. Further details can be found in datasheet.

Surge protection device



At a glance: Surge protection device (SPD)

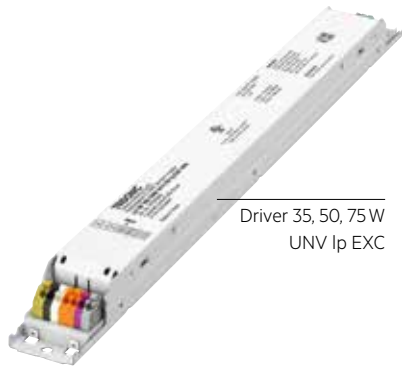
- Universal use for street, tunnel or object lighting
- Flexible installation (on plate)
- Compact design
- UL 1449 type 5 (safety standard)
- IEEE C62.41.2 2002 (performance standard)
- Type of protection IP67
- 5-year guarantee

The surge protection device (SPD) is particularly suitable for the North American market and offers the driver technology additional protection against overvoltage of above 10 kV. The device is installed upstream from the driver and prevents the high-quality technology from being damaged – in the event of a lightning strike, for example. With IP67 protection rating and an extremely wide ambient temperature range, it also offers outstanding protection in challenging environments.

NEW	Designation	Surge/Burst protection	Size (mm)	Order No.
	SPD 10kV UNV SNC	10kV	90 x 26 x 17	28002169

excite (EXC) Linear Low Profile, Universal voltage

Flexible configuration



Driver 35, 50, 75 W
UNV Ip EXC

At a glance: Driver Linear EXC Universal voltage 120–277 V

- Dimmable Linear constant current LED Driver
- Universal voltage input 120 – 277 V
- Dimming range of 1% to 100% with 0 ... 10V
- Housing types: Linear Low Profile
- Casing types: metal, white

Warranty 5 yrs

Lifetime 100,000 hrs

Intelligent Temperature protection

Driver excite (EXC) | Linear Low Profile (Ip), Universal voltage 120–277 V

Designation	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V _{ac})	Efficiency (%)	Size (Inch)	Order No.
LC 35/150-700/54 0-10V Ip EXC UNV	150–700	35	18-54	120-277	88.4	360 x 30 x 24	87500687
LC 50/350-1050/54 0-10V Ip EXC UNV	350–1,050	50	18-54	120-277	90.6	360 x 30 x 24	87500688
LC 75/900-1800/54 0-10V Ip EXC UNV	900–1,800	75	18-54	120-277	90.7	360 x 30 x 24	87500689

excite (EXC) Compact, Universal voltage

Flexible configuration



Driver 35, 50 W
UNV C EXC

At a glance: Driver compact EXC Universal voltage

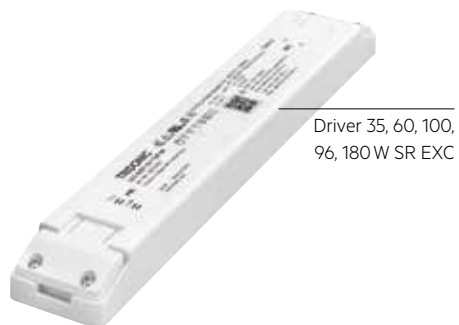
- Dimmable Compact constant current LED Driver
- Universal voltage input 120 – 277 V
- Dimming range of 1% to 100% with 0 ... 10V
- New I-Select 2 interface for programming the current
- Housing types: Compact
- Casing types: metal, white

Warranty 5 yrs Lifetime 100,000 hrs Intelligent Temperature protection

Driver excite (EXC) | Compact (C), Universal voltage 120–277 V

Designation	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V _{ac})	Efficiency (%)	Size (Inch)	Order No.
LCA 35/150-700/54 0-10V C EXC UNV	150–700	35	18-54	120-277	88.4	4.96 x 3 x 1.18	87500683
LCA 50/350-1050/54 0-10V C EXC UNV	350–1,050	50	18-54	120-277	90.6	4.96 x 3 x 1.18	87500684

24 V Constant Voltage, Universal voltage



Driver 35, 60, 100, 96, 180 W SR EXC

At a glance: Driver Linear Strain-relief, Independent 24V EXC

- Constant-voltage LED Driver 24 V
- Universal voltage input 90–305 V
- Non Dimmable unless paired with dimming module
- Low Profile Design to adapt to various applications
- Housing Type: Linear Profile
- Casing Type: plastic, white

Warranty 5 yrs Lifetime 50,000 hrs Intelligent Temperature protection



Driver 100W Ip ADV

At a glance: Driver Linear lead wires, Built-In 24V ADV

- Constant-voltage LED Driver 24 V
- Universal voltage input 90–305 V
- Non Dimmable unless paired with dimming module
- Dry and damp location, Potted
- Housing Type: Linear Low Profile
- Casing Type: metal, black

Warranty 5 yrs Lifetime 50,000 hrs Intelligent Temperature protection

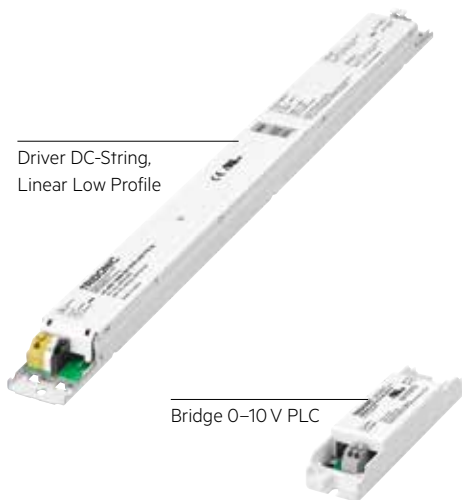
Driver excite (EXC) | Linear Profile, Independent (SR), Universal voltage 90–305 V

Designation	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V _{ac})	Efficiency (%)	Size (mm)	Order No.
LCU 35W 24V TOP SR	200–2,500	35	24	90–305	85	250 x 40 x 21	28000411
LCU 60W 24V TOP SR	200–2,500	60	24	90–305	85	250 x 40 x 21	28000412
LCU 96W 24V TOP SR	400–4,000	96	24	108–305	90	300 x 44 x 23	28000413
LCU 180W 24V TOP SR	720–7,500	180	24	108–305	90	280 x 64 x 31	28000414

Driver advanced (ADV) | Linear Low Profile (Ip), Built-In, Universal voltage 120–277 V

Designation	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V _{ac})	Efficiency (%)	Size (mm)	Order No.
LC 100/24V Ip ADV UNV	415	100	24	108 – 305	88	241 x 43 x 30	28002133

48 V Constant Voltage for DC-String, Universal voltage



At a glance: Driver Linear 48 V DC-String

- Independent fixed output
- Universal voltage input 120 – 277 V
- Casing Ip: metal, white, Built-in solution

Warranty 5 yrs Lifetime 50,000 hrs Intelligent Temperature protection

At a glance: Bridge 0-10V PLC

- Bridge for converting analogue signals into PLC for DC-String dimming
- For connecting dimmable DC-String LMI LED Driver in 0..10 V control systems
- For a maximum of 20 DC-String LMI LED Driver
- Casing types: polycarbonate, white

Warranty 5 yrs

Driver 48 V DC-String | Linear Low Profile

Designation	Output current at full load (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V)	Size (mm)	Order No.
LC 48V 100W DC-STR UNV FO Ip	383	48	100	yes	120-277	425 x 30 x 22	28001983
BRIDGE 0-10V PLC DC STR						30 x 21 x 120	28002074

Driver premium (PRE) Smart Module Interface



Driver IOTr PRE UNV

At a glance: Driver IOTr premium (PRE) Universal Voltage

- Constant current LED Driver
- Dimming range 1 – 100 %
- Adjustable output current between 300 and 1,050 mA via I-SELECT 2 plug
- Dimmable via Smart Module Interface (SMI)
- Added energy savings with dimming via
- Enlighted Sensor Interface
- Class 2 sensor supply, FCC Part 15 Class A

Warranty 5 yrs Lifetime 100,000 hrs Intelligent Temperature protection

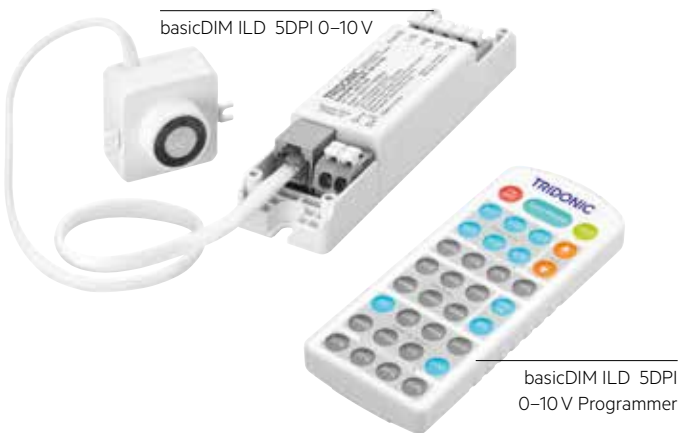
Designation	Output current (mA)	Output power (W)	Output voltage range ¹⁾ (V)	Input voltage (V)	Size (mm)	Order No.
LC 40/300-1050/50 IOTr Ip PRE UNV	300 – 1,050	40	18-50	100-277	425 x 30 x 22	28002086

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

Lighting management systems

Light at the right place, at the right time

Perfect light and high efficiency go hand in hand with Tridonic. This is demonstrated by the broad range of LED solutions which form an essential basis for energy-efficient lighting systems. As well as switching to LED technology, a dimming function also plays a particular role in sustainably improving the balance of energy. Tridonic also lives up to its status as an expert here – with a compatible portfolio of sensors to complement the driver technology step by step.



At a glance: basicDIM ILD 5DPI 19F 0-10 V









- Compact dimensions for luminaire installation
- Connect up to 1,200 W or 400 VA load
- 0-10 V output
- PIR sensor with ambient light dependent control and motion detection
- Bright-out function: luminaire is not switched on if there is adequate brightness
- Switch input for on/off switching and dimming
- Connection of multiple switches possible
- Individual adjustment of multiple parameters with basicDIM ILD 0-10V Programmer

Warranty 5 yrs Lifetime 50,000 hrs

The UL-certified Low-Bay Sensor combines daylight and motion sensors in a highly compact enclosure. The multi-sensor is a perfect supplement to the driver portfolio and is the optimum solution for smaller office applications. It is fitted with switch and dimming functions. There is also the option of controlling the light via a wall switch. The basicDIM ILD is also available with an infrared sensor as an option.

Type	Size (mm)	Order No.
basicDIM ILD 5DPI 19F 0-10V	120 x 30 x 21 30 x 25.8	28001980
basicDIM ILD 0-10V Programmer	130 x 56 x 15	28001981

Matching LED module

LED module	Size
For Spot- und Downlights	
<p>SLE G7 ADV, EXC*</p> 	<p>advanced (ADV): LES09, LES13, LES15, LES17, LES21 excite (EXC): LES09, LES13, LES15, LES17, LES21</p>
For Linear, Wide Area and Free Standing	
<p>LLE G4 16 mm, LLE G5 24 mm ADV*</p> 	<p>16x280, 560 mm 24x70,140, 280, 560 mm</p>
For Linear and Wide Area	
<p>QLE G1 SNC</p> 	<p>471x462 mm</p>
<p>QLE G3+ ADV</p> 	<p>277x277 mm</p>
<p>QLE and CLE G1 ADV INDUSTRY</p> 	<p>QLE: 220x220 mm CLE: Ø 250 mm</p>
For decorative lighting	
<p>LLE FLEX G2 ADV</p> 	<p>4,800 x 8 x 2 mm (100 mm cut option)</p>
<p>LLE FLEX G1 EXC Short-pitch</p> 	<p>4,800 x 8 x 2 mm (50 mm cut option)</p>
<p>LLE FLEX G1 IP67 EXC</p> 	<p>4,800 x 12 x 5 mm (50 mm cut option)</p>

* coming in Q1/19

Support and advice

From a single source



Engine DLE



Engine CLE



Engine CLE Integrated



Engine LLE-FLEX



Engine SLE



Engine EM ready2apply



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.

