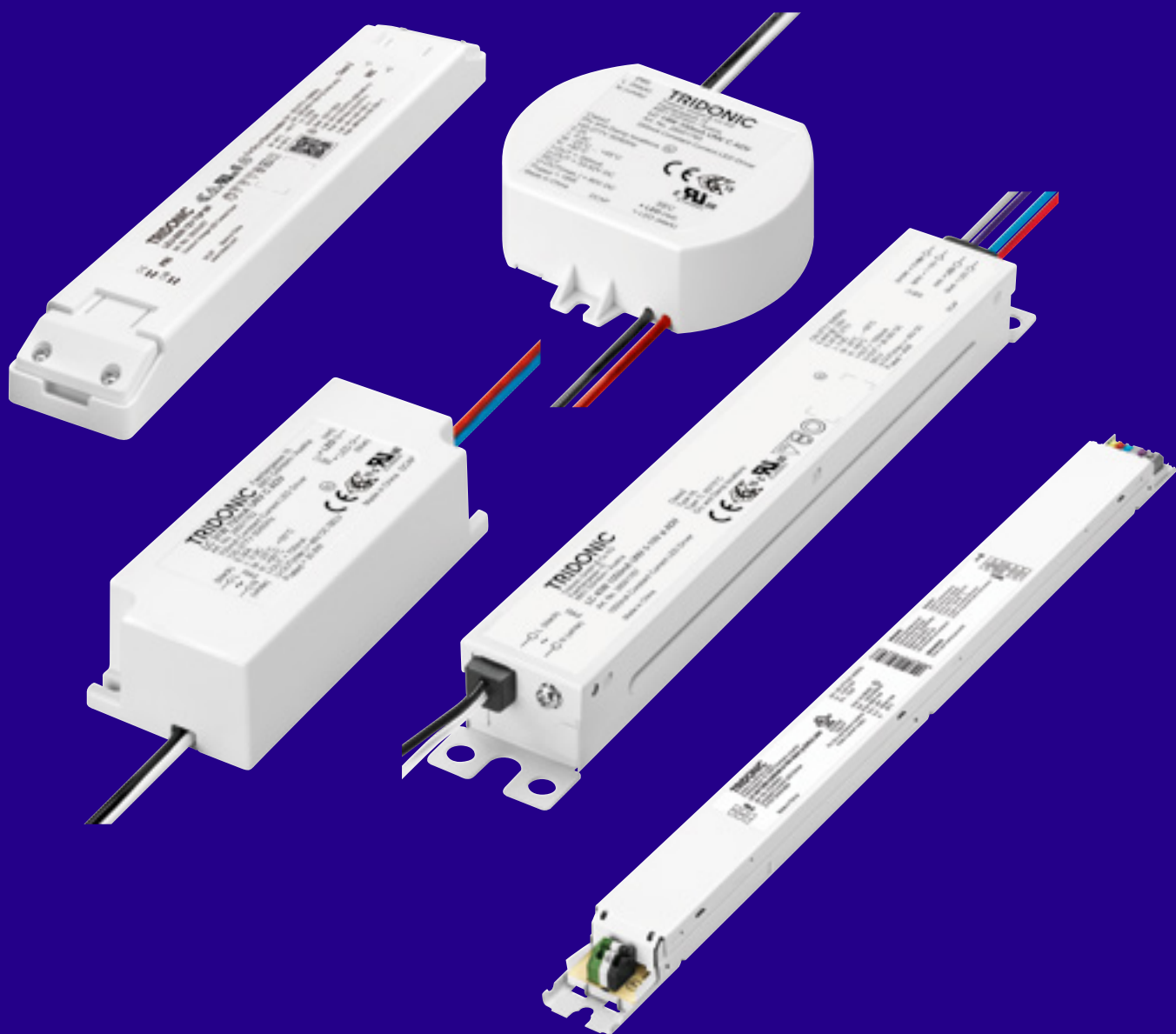LED Driver

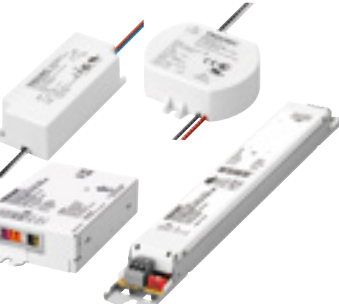# Driver Universal voltage (120–277 V)
Highest flexibility

TRIDONIC

LED Driver

Universal voltage
Highest flexibility

Positioning in the Tridonic portfolio

essence (SNC)	advanced (ADV)	excite (EXC)	premium (PRE)
Cost-effective	Simplicity itself	Flexible	IoT integration application

Overview of casing types

Compact, Built-in

Linear Low Profile, Built-in

Linear Profile, Independent/Built-in

Low Profile, Built-in

For spot- and downlights, floor-wall luminaires

For spot- and downlights, floor-wall luminaires

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

Added lighting system value with automated dimming / lighting controls via Enlighted Sensor Interface.

emergency (EM)

LED Emergency Control Gear

Emergency Profile
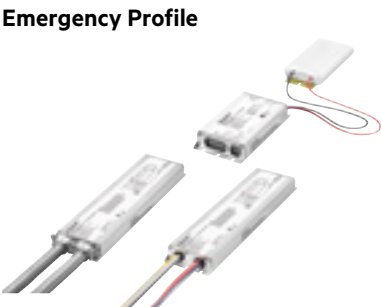
For emergency situations.

**LED Driver series for universal input voltage**
Thanks to its in-depth know-how, many years of experience and a high level of innovation, Tridonic is heavily involved in the optimisation of lighting components and the preparation of specific standards. With the introduction of the Universal Voltage series of drivers (120–277 V), the company once again confirms its position as a global industry leader.

LED Driver

Driver premium (PRE) low profile, SMI, UNV Interface
Linear fixed current dimmable driver

At a glance:

Driver premium (PRE) IOT
Universal Voltage, Smart Module Interface

__ 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 years
__ Lifetime 100,000 hours
__ Intelligent Temperature protection
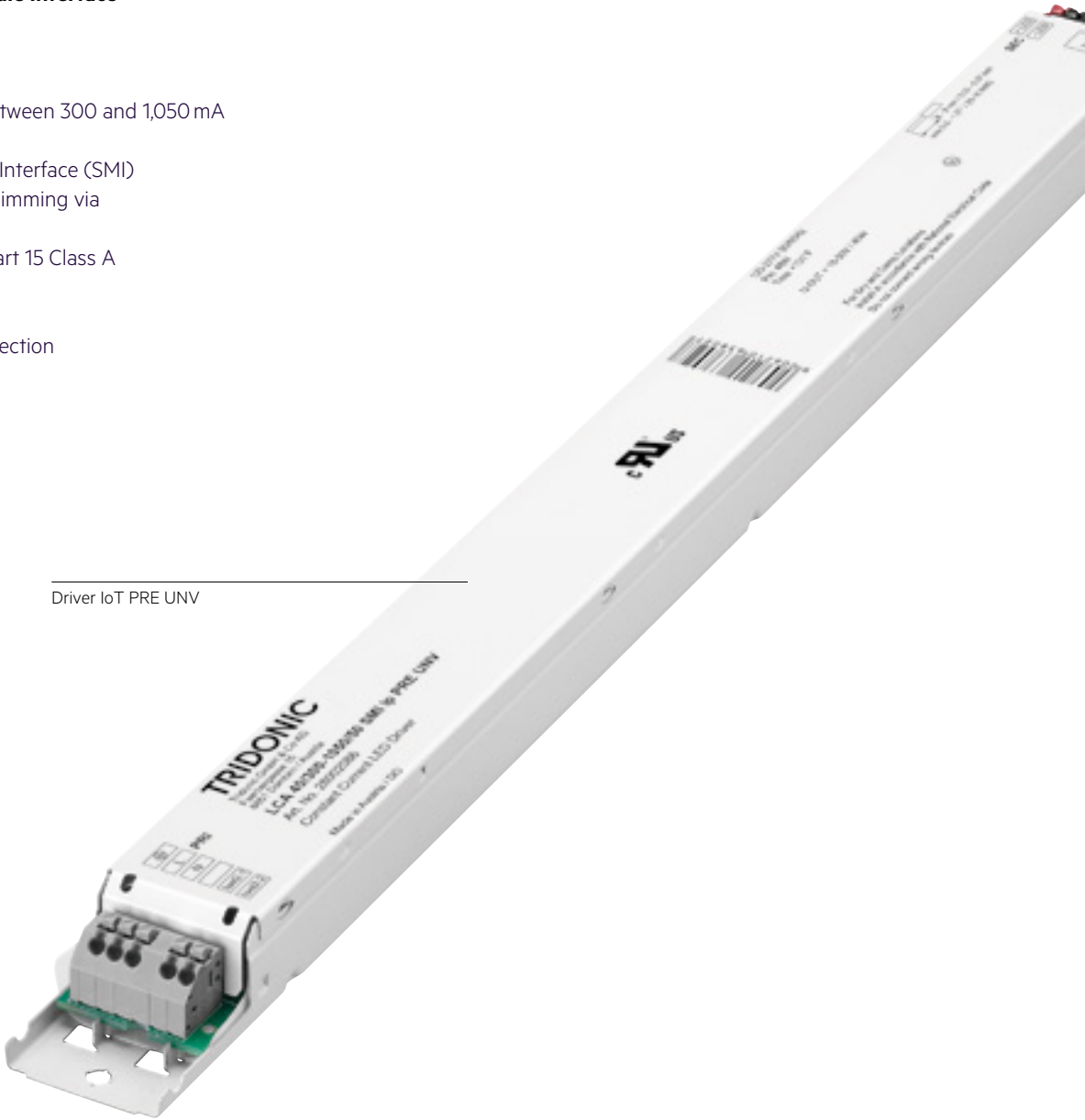
Driver IoT PRE UNV

Driver premium (PRE) | low profile (lp), smart module interface, Universal voltage 100–277 V

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 lp 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.

LED Driver

excite (EXC 2), low profile, NFC AUX, Universal voltage
Flexible configuration

At a glance:
Driver excite (EXC2)
Universal voltage NFC AUX

— Dimmable Linear constant current LED Driver
— Universal voltage input 120 – 277 V
— Dimming range of 1 % to 100 % with 0 – 10 V
— Adjustable output current between 200 and 650 mA via NFC
— AUX output, 24V
— Housing types: Linear Low Profile
— Casing types: Metal, white
— Warranty 5 years
— Lifetime 100,000 hours

NFC)))

AUX output, 24V

Driver 20, 35, 50, 75, 85W UNV lp EXC2*
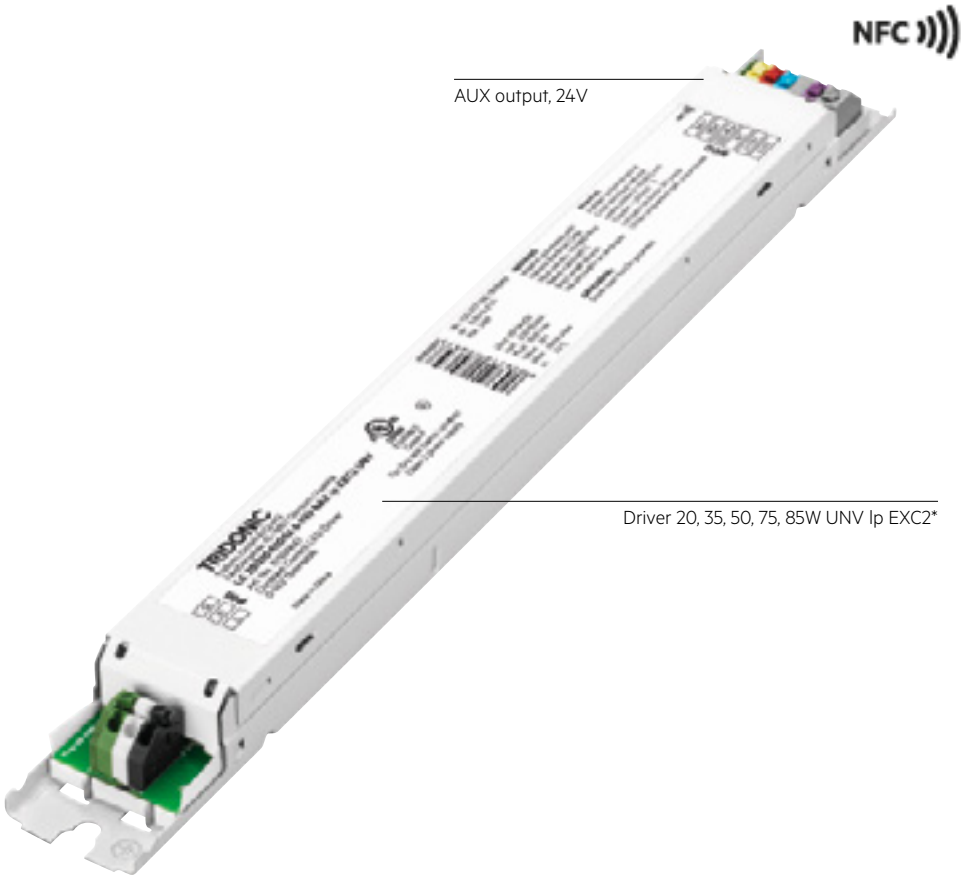
Driver excite (EXC2) NFC AUX, Universal voltage 12 – 277 V

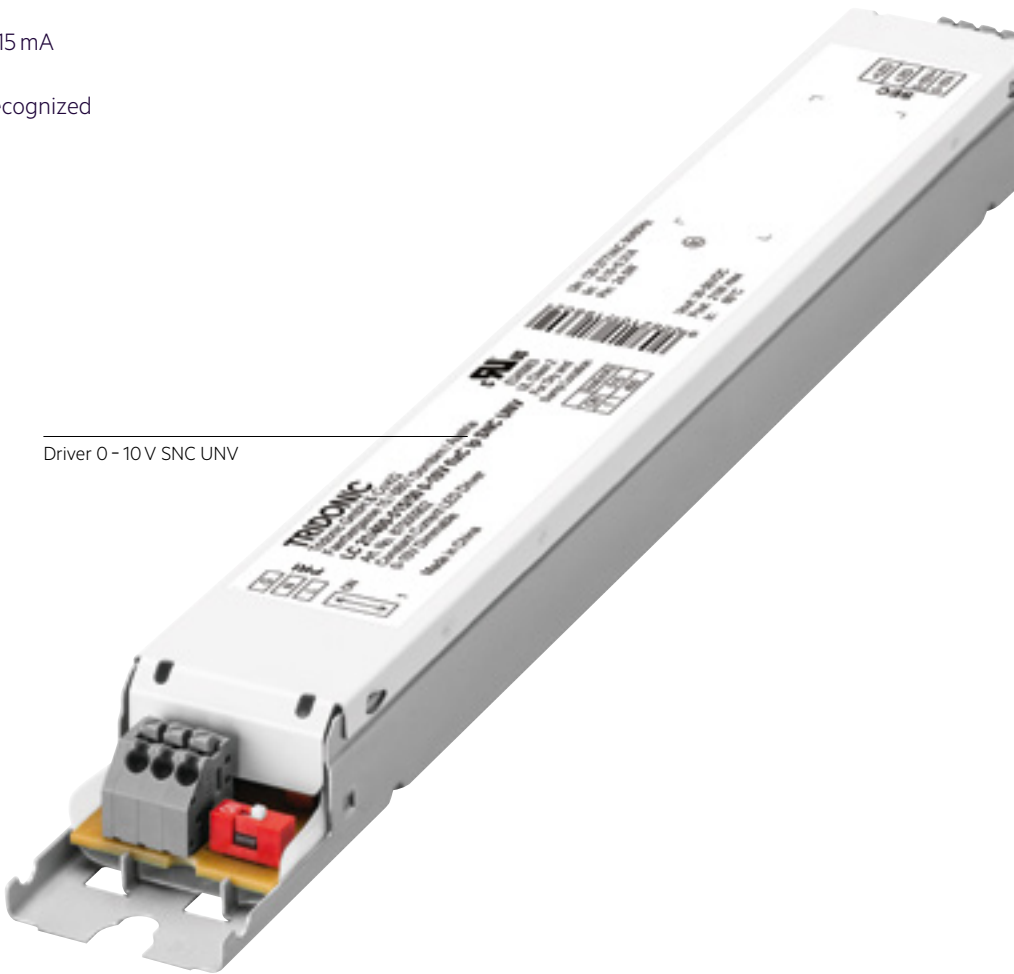| Designation	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V)	Efficiency (%)	Size (mm)	environment temperature range (°F)	Order No.
LC 20/200-650mA 0-10V NAX lp EXC2 UNV*	200-650	20	20-54	120~277	85	11 x 1.18 x 0.83	– 13 to + 131	87500847
LC 35/350-900mA 0-10V NAX lp EXC2 UNV*	350–900	35	20-54	120~277	87	11 x 1.18 x 0.83	– 13 to + 131	87500848
LC 50/350-1050mA 0-10V NAX lp EXC2 UNV*	350–1,050	50	20-54	120~277	87.6	14.17 x 1.18 x 0.83	– 13 to + 131	87500849
LC 75/900-1800mA 0-10V NAX lp EXC2 UNV*	900–1,800	75	20-54	120~277	88.9	16.73 x 1.18 x 0.83	– 13 to + 131	87500850
LC 85/900-1800mA 0-10V NAX lp EXC2 UNV*	1,200–2,200	85	20-48	120~277	87.7	16.73 x 1.18 x 0.83	– 13 to + 131	87500851

* soon available

LED Driver

Driver essence (SNC) low profile, UNV Interface
Linear fixed current dimmable driver

At a glance:
Driver essence (SNC)
Universal Voltage, Built-In

__ Fixed output constant built-in LED Driver
__ Dimming range 10 – 100 %
__ Adjustable output current between 570 and 615 mA
__ Dimmable via 0 – 10 V interface
__ Temperature protection as per UL8750/UL Recognized
__ Class 2 sensor supply, FCC Part 15
__ Warranty 5 years
__ Lifetime 50,000 hours
__ Intelligent Temperature protection

Driver 0 – 10 V SNC UNV

Driver essence (SNC) | low profile (lp), Universal voltage 120 – 277 V

Designiation	Output current (mA)	Output power (W)	Output voltage range[1] (V)	Input voltage (V)	Size (mm)	Order No.
LC 21/400-515/50 0-10 V fix C lp SNC UNV	400-515	21	18–50			87500902
LC 27/570-615/50 0-10 V fix C lp SNC UNV	570-615	27	43,9-47,5			87500869
LC 34/690-825/50 0-10 V fix C lp SNC UNV	690-825	34	41,2-49,5	120~277	280x30x21	87500862
LC 43/915-1000/50 0-10 V fix C lp SNC UNV	915-1,000	43	43-47			87500870
LC 53/1130-1200/50 0-10 V fix C lp SNC UNV	1,130-1,200	53	44-47			87500861
LC 58/1130-1200/50 0-10 V fix C lp SNC UNV	1,360-1,450	58	40-42,6			87500903

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

LED Driver

excite (EXC) compact, Universal voltage
Flexible configuration

At a glance:

Driver excite (EXC), compact, Universal voltage

__ Dimmable Compact constant current LED Driver
__ Universal voltage input 120 – 277 V
__ Dimming range of 1 % to 100 % with 0 – 10 V
__ New I-Select 2 interface for programming the current
__ Housing types: Compact
__ Casing types: metal, white
__ Warranty 5 years
__ Lifetime 100,000 hours
__ Intelligent Temperature protection

Driver 35, 50 W
UNV C EXC

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

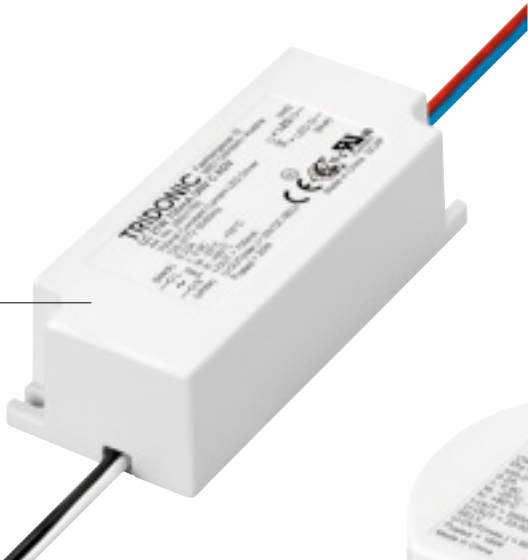| Designation	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V_ac)	Efficiency (%)	Size (Inch)	Order No.
LCA 35/150-700/54 0-10V C EXC UNV	150–700	35	18-54	120~277	88.4	4.96 x 3 x 1.18	87500683
LCA 50/350-1050/54 0-10V C EXC UNV	350–1,050	50	18-54	120~277	90.6	4.96 x 3 x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

LED Driver

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 years
— Lifetime 100,000 hours
— Intelligent Temperature protection

Driver 21, 31 W
UNV C ADV

Driver 18 W
UNV C ADV

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

LED Driver

advanced (ADV) Linear Slim Profile, Universal voltage
Simplicity itself

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 years
__ Lifetime 50,000 hours
__ Intelligent Temperature protection

Driver 35, 40 W
UNV sl ADV

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

LED Driver
advanced (ADV) compact, Universal Voltage Industry

At a glance:
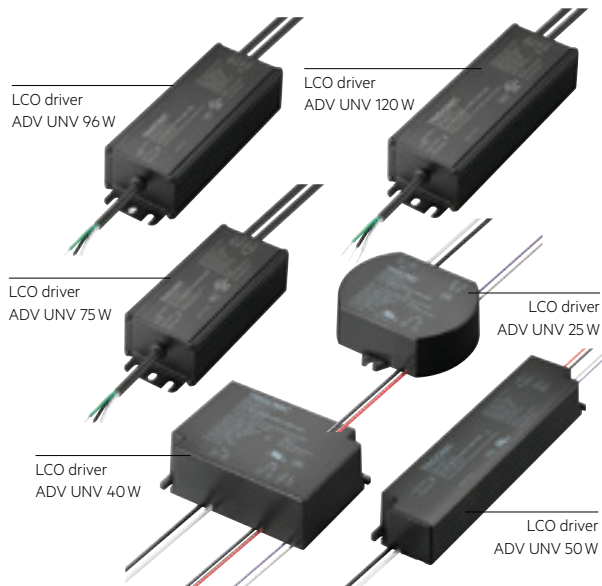**Driver ADV Universal Voltage Industry**

__ 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 years
__ Lifetime 100,000 hours
__ Intelligent Temperature protection

Driver ADV UNV INDUSTRY

Driver advanced (ADV) | Linear, Universal Voltage Industry 110-277 V

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

LED Driver

advanced (ADV) compact, Universal voltage Outdoor

LCO driver
ADV UNV 96 W

LCO driver
ADV UNV 120 W

LCO driver
ADV UNV 75 W

LCO driver
ADV UNV 25 W

LCO driver
ADV UNV 40 W

LCO driver
ADV UNV 50 W

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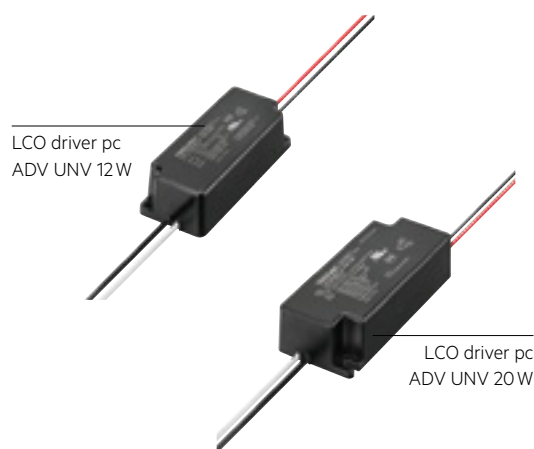**Driver Universal input Voltage advanced (ADV)**

__ 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
__ Warranty 5 years
__ Lifetime 50,000 hours
__ 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[1] (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

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

LED Driver + Surge Protection device

Phase-cut (ADV) compact, Universal voltage Outdoor

LCO driver pc
ADV UNV 12 W

LCO driver pc
ADV UNV 20 W

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
__ Warranty 5 years
__ Lifetime 50,000 hours
__ 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

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

Surge protection device

SPD 20kV UNV SNC

SPD 10 kV UNV SNC

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
__ Warranty 5 years

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 and 20 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.

Designition	Surge/Burst protection	Size (mm)	Order No.
SPD 10kV UNV SNC	10 kV	90 x 26 x 17	28002169
SPD 20kV UNV SNC*	20 kV	100 x 30 x 20	28002170

*soon available. Further details can be found in datasheet.

LED Driver

24 V Constant Voltage, Universal voltage
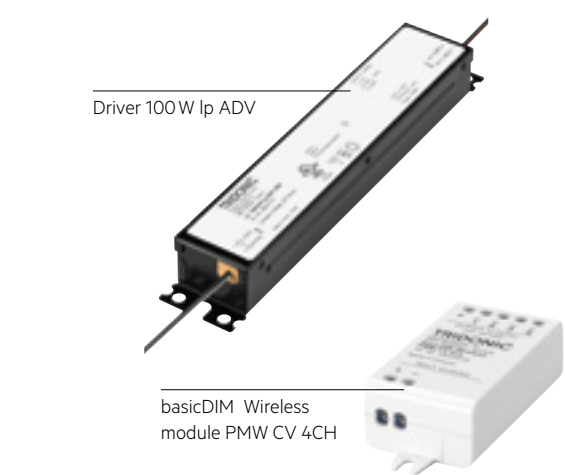## Non-dimmable

Driver 35, 60, 100, 96, 180 W SR EXC
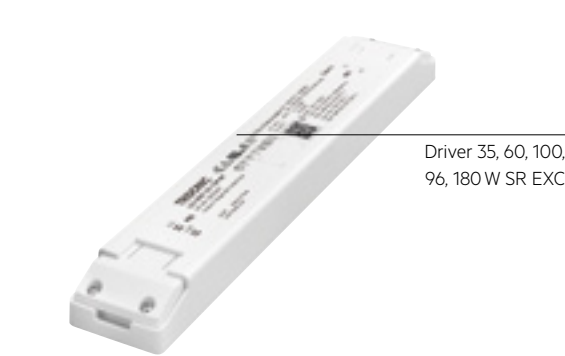
At a glance:
Driver Linear Strain-relief, Independent 24V EXC

__ 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 years
__ Lifetime 50,000 hours
__ 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 100 W lp ADV

basicDIM Wireless module PMW CV 4CH

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 years
__ Lifetime 50,000 hours
__ Intelligent Temperature protection

Driver advanced (ADV) | Linear Low Profile (lp), 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 lp ADV UNV	415	100	24	108 – 305	88	241 x 43 x 30	28002133

LED Driver

24 V Constant Voltage, Universal voltage
Non-dimmable and dimmable

Driver 60W-100W
(0-10V) lp SNC UNV
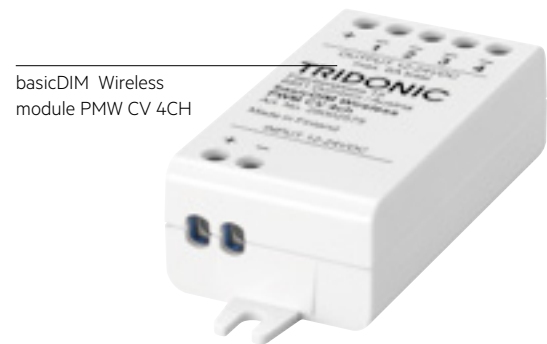
basicDIM Wireless
module PMW CV 4CH
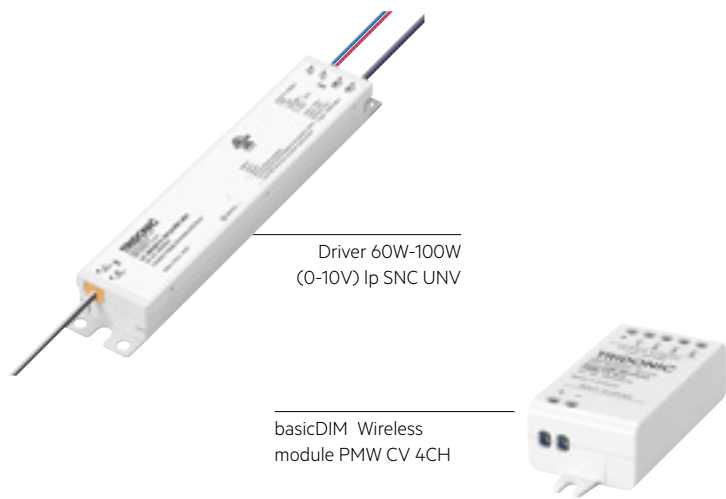
At a glance:
Driver non-dimmable and dimmable
Constant voltage LED Driver

__ Universal input voltage range
__ Max. output power 99.6 W
__ Class 2
__ Type HL
__ UL Listed Class P
__ FCC Part 15
__ Warranty 5 years
__ Lifetime 50,000 hours
__ Intelligent Temperature protection

Driver essence (SNC) | Linear Low Profile (lp), Built-In, Universal voltage 120-277 V | Dimmable and Non-Dimmable

Designation	Output current range (mA)	Output power (W)	Output voltage range (V)	Input voltage (V_{ac})	Efficiency (%)	Size (inch)	Order No.
Non-dimmable							
LC 60/24V lp SNC UNV	0 - 2,500	60	24	120~277	90.5	5.83 x 1.8 x 1	28002853
LC 100/W 24V lp SNC UNV	2,580 - 4,000	100	24	120~277		5.83 x 1.8 x 1	28002133
Dimmable							
LC 60/24V 0-10V lp SNC UNV	0 - 2,500	60	24	120~277	90.0		28003002
LC 100/24V 0–10V lp SNC UNV	0 - 4,150	100	24	120~277		9.5 x 1.69 x 1	28002852

Further details can be found in datasheet.

basicDIM Wireless
module PMW CV 4CH

At a glance:
basicDIM Wireless
Modul PMW constant voltage (CV) 4CH

__ Can be combined with 24 V constant voltage drivers and applications
__ Input voltage: 12 – 24 V
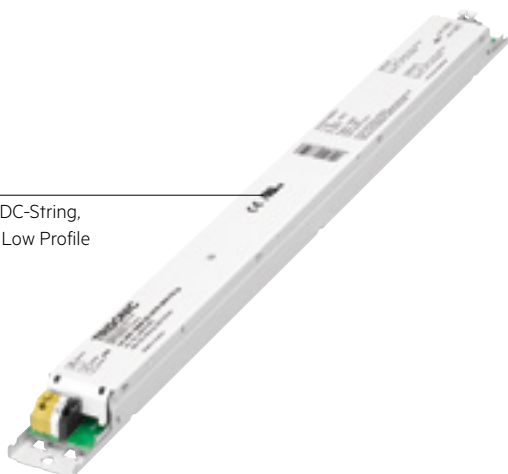__ Up to 4 LLE FLEX tapes together
__ FCC and UL listed version available

Ordering data

Type*	Order No.
basicDIM Wireless PWM CV 4CH	28002575

Further details in the datasheet.

LED Driver

48 V Constant Voltage for DC-String, Universal voltage

Driver DC-String,
Linear Low Profile

At a glance:
Driver Linear 48 V DC-String

__ Independent fixed output
__ Universal voltage input 120 – 277 V
__ Casing lp: metal, white, Built-in solution
__ Warranty 5 years
__ Lifetime 50,000 hours
__ Intelligent Temperature protection


Bridge 0–10 V PLC

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

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 lp	383	48	100	yes	120~277	425 x 30 x 22	28001983
BRIDGE 0-10V PLC DC STR						30 x 21 x 120	28002074
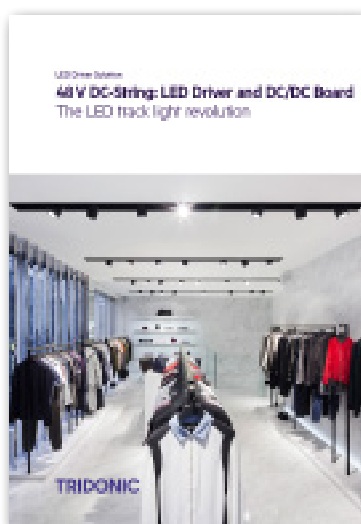
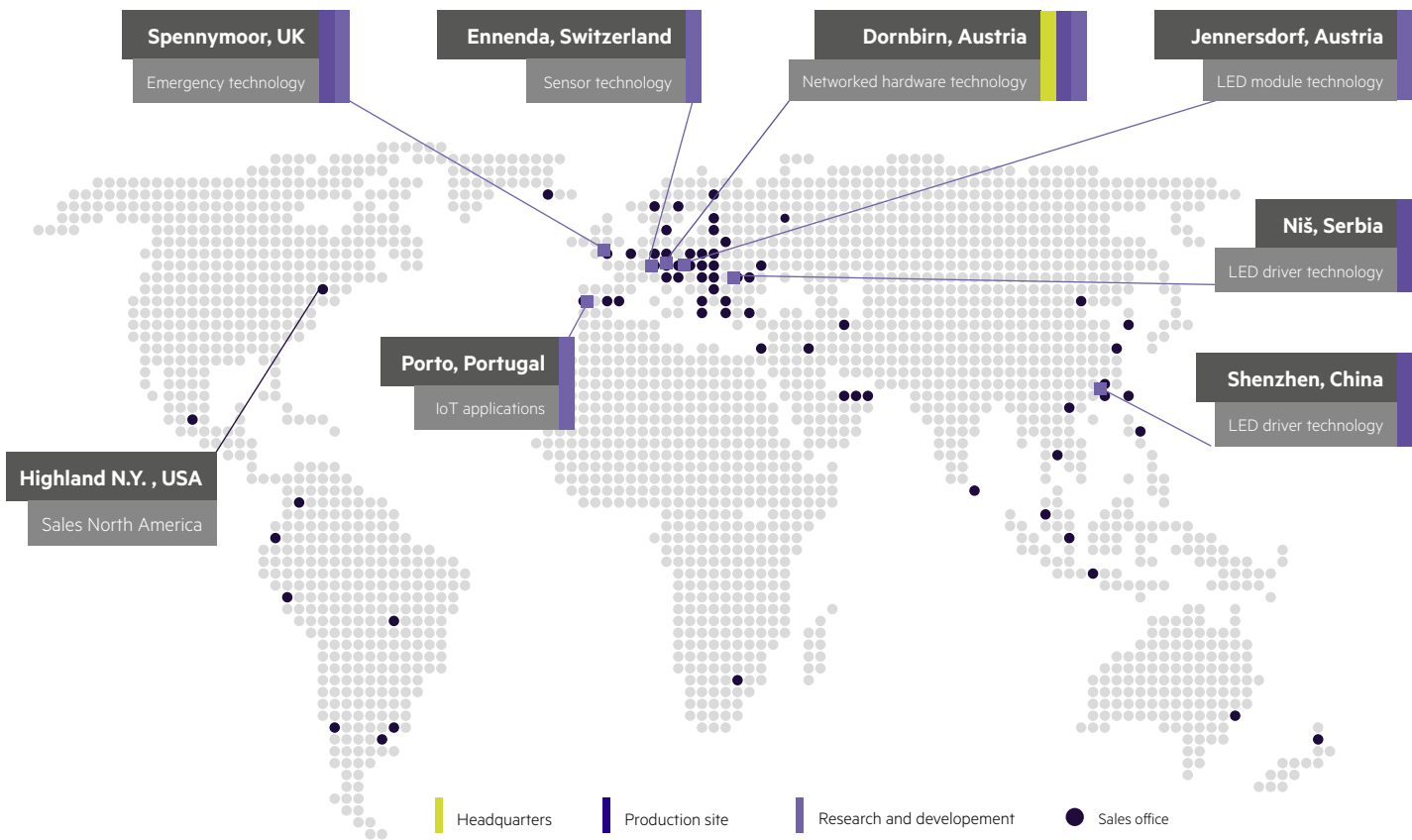**More Information about DC-String:**
tridonic.com/DC-String

Prepared for the future
Our activities and locations

Spennymoor, UK	Ennenda, Switzerland	Dornbirn, Austria	Jennersdorf, Austria
Emergency technology	Sensor technology	Networked hardware technology	LED module technology

Niš, Serbia
LED driver technology

Porto, Portugal
IoT applications

Shenzhen, China
LED driver technology

Highland N.Y. , USA
Sales North America

Headquarters   Production site   Research and developement   ● Sales office

1,932

Around 1,900 employees throughout the world are committed to helping you with their know-how and creativity to create the perfect light.

6

There are six research and development centres in which new LEDs and net-worked lighting technologies are being developed.

3

There are three things you can rely on at Tridonic: optimum product quality, decades of expertise and our committed and flexible support.

1

In our unique software competence center in Porto (Portugal), information technology experts are developing new solutions for smart buildings and smart cities. They are working on a range of products from intelligent lighting management and control systems to highly advanced IoT solutions and their matching digital services.

21

With 21 branch offices on five continents we are there for you wherever you are in the world.

2,600

That's how many patents and inventions testify to Tridonic's extraordinary powers of innovation.

Details

For further information, data sheets, product catalogues and ordering details, please go to www.tridonic.com.
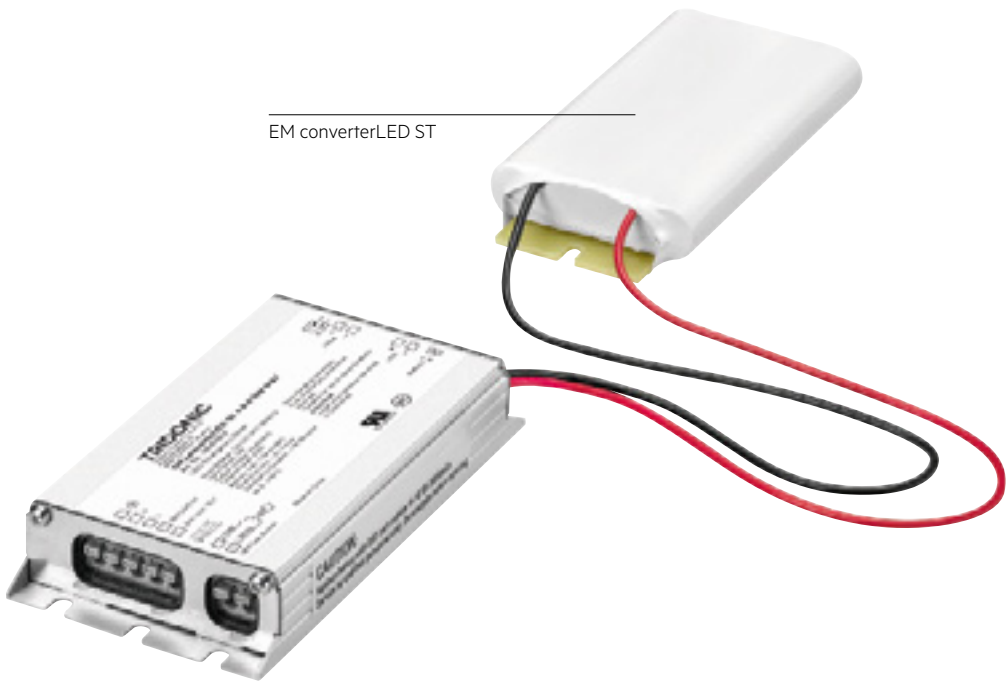
LED Emergency Control Gear

Emergency back-up drivers: EM converterLED ST
SELFTEST series

Emergency back-up drivers:
EM converterLED

__ Emergency lighting LED Driver with self-test function
__ Battery pack enclosed
__ For self-contained emergency lighting
__ For LED modules with a forward voltage up to 60 V
__ Class 2
__ Warranty 5 years
__ Lifetime 50,000 hours

EM converterLED ST

EM converterLED ST

Designation	Output power (W)	Mains voltage (V)	LED module forward voltage range (V)	Mains current in charging operation			Rated power in charging operation			Size (inch)	Order No.
				Initial charge (mA)	Fast charge (mA)	Trickle charge (mA)	Initial charge (W)	Fast charge (W)	Trickle charge (W)		
EM converterLED ST 1-9-5 60V UNV*	5	120	13 – 60	90	90	75	2.0	1.0	1.0	4.92 x 4.61 x 2.56	28002863
		277		119			1.1	0.9	0.9		
EM converterLED ST 1-9-9 60V UNV*	9	120	14 – 60	153	115	105	2.0	1.4	1.3		28002866
		277					1.5				
EM converterLED ST 1-9-15 60V UNV*	15	120	15 – 60	210	190	190	2.2	2.3	2.4		28002869
		277									

*available Q2/2019. Depending on the selected output current. Further details can be found in datasheet.

Emergency back-up drivers: EM converterPACK
SELFTEST series

Emergency back-up drivers:
EM converterPACK

— Emergency lighting LED Driver with self-test function
— For LED modules with a forward voltage up to 60 V
— For self-contained emergency lighting
— Class 2
— Battery pack enclosed (EM converterPACK)
— Compatible with most constant current LED Drivers
— Automatic shutdown of output if LED load is out of range
— 90 minutes rated duration
— Warranty 5 years
— Lifetime 50,000 hours
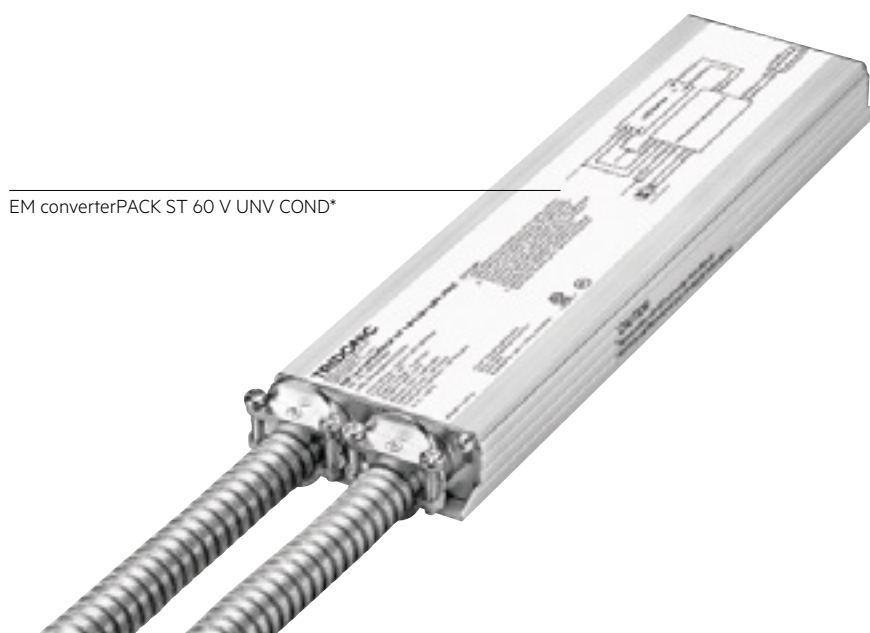
EM converterPACK ST 60 V UNV COND*

EM converterPACK

Desigination	Output power (W)	Mains voltage (V)	LED module forward voltage range (V)	Mains current in charging operation			Rated power in charging operation			Size (inch)	Order No.
				Initial charge (mA)	Fast charge (mA)	Trickle charge (mA)	Initial charge (W)	Fast charge (W)	Trickle charge (W)		
EM converterPACK ST 1-9-5 60 V UNV COND*	5	120	13 – 60	90	90	75	2.0	1.0	1.0		28002865
		277		119			1.1	0.9	0.9		
EM converterPACK ST 1-9-9 60 V UNV COND*	9	120	14 – 60	153	115	105	2.0	1.4	1.3		28002868
		277					1.5				
EM converterPACK ST 1-9-15 60 V UNV COND*	15	120	15 – 60	210	190	190	2.2	2.3	2.4	4.92 x 4.61 x 2.56	28002871
		277									
EM converterPACK ST 1-9-5 60 V UNV WIRE*	5	120	13 – 60	90	90	75	2.0	1.0	1.0		28002864
		277		119			1.1	0.9	0.9		
EM converterPACK ST 1-9-9 60 V UNV WIRE*	9	120	14 – 60	153	115	105	2.0	1.4	1.3		28002867
		277					1.5				
EM converterPACK ST 1-9-15 60 V UNV WIRE*	15	120	15 – 60	210	190	190	2.2	2.3	2.4.		28002871
		277									

*available Q2/2019. 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

basicDIM Wireless system
The intuitive move toward wireless luminaire communication

As technology moves toward controlling and dimming lights, Tridonic's fully intuitive basicDIM Wireless technology makes it possible to update conventional lighting without committing to additional construction. By grouping luminaires and creating light settings, lighting professionals can control up to 127 light points with on and off switching, as well as dimming, all through Bluetooth, all through an APP.

or

basicDIM Wireless
User Interface

4remote BT App
Commisioning + use
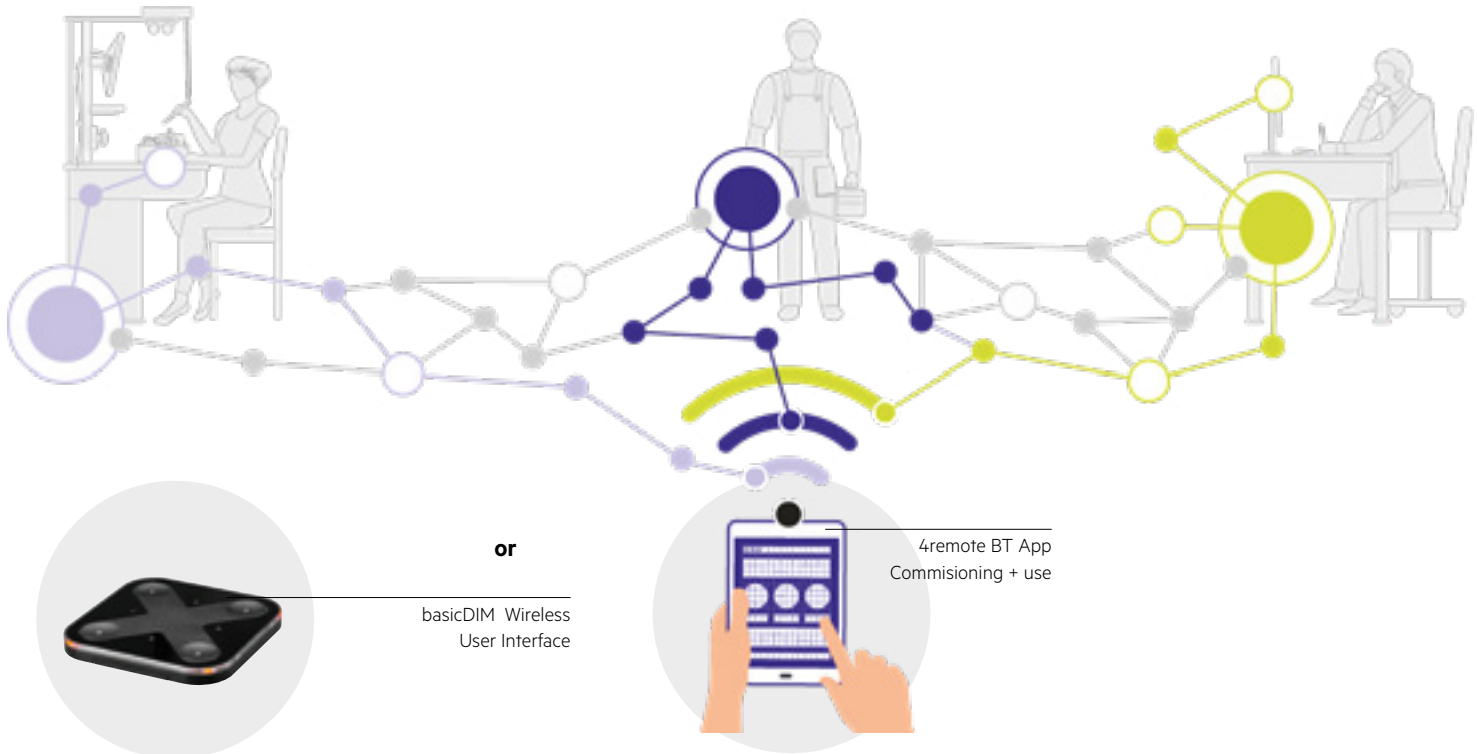
basicDIM Wireless Sensor (Casambi Ready)
The basicDIM Wireless Sensor 5DP 38RC is the ideal addition to the basicDIM Wireless series of products as it offers daylight-dependent lighting control and presence detection. It has been designed for the following principal applications:

— Open-plan offices
— Training / presentation rooms
— Corridors, passageways and garages

+

basicDIM Wireless
Sensor 5DP 38rc US

basicDIM Wireless
Sensor 5DP 38rc Housing

basicDIM Wireless modules (Casambi Ready)
Wireless modules for constant voltage
and constant current dimming

The basicDIM Wireless module integrated into the luminaire allows convenient, wireless interaction with luminaires, including configuration as well as commissioning and actual use. Easy control via Bluetooth is already visible on the compact user interface. The lighting control system can also be operated via the 4remote BT App.

basicDIM Wireless
0–10 V 2CH

__ Wireless controllable with a Android / iOS smart device
__ Automatically forms a wireless communication network
   with up to 127 nodes
__ 2 channel 0 – 10 V dimming (bDW 0 - 10V 2 CH)
__ 4 PWM outputs (bDW module PWM CV 4CH)
__ Easily implemented RGB and color temperature controls
__ Warranty 5 years
__ Lifetime 50,000 hours

basicDIM Wireless
module PMW CV 4CH

Options for use of basicDIM Wireless

Selection of settings
Saved settings can be accessed quickly and adjusted to the planned room usage

Color temperature
The light shade can be adjusted individually in accordance with the luminaires used

Dimming options
between 1% and 100%

Presence detection
Light to suit requirements through integration of sensors

Scheduling
Scheduling possible using internal clock and calendar

Customisation
Adjustments for changes to usage requirements or for system expansion

Group circuit system
Control for individual luminaires and groups adjustable to usage requirements at any time via the 4remote BT App. Simple subsequent expansions through wireless installation

Ordering data

Type	Order No.
basicDIM Wireless 0-10V 2CH	28002576
basicDIM Wireless PWM CV 4CH	28002575
basicDIM Wireless Sensor 5DP 38rc US	28002800
basicDIM Wireless Sensor 5DP Housing	28002802
basicDIM Wireless User Interface	28002213
basicDIM Wireless User Interface white	28002420

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.

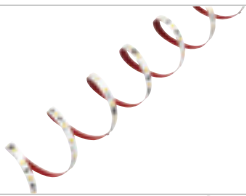basicDIM ILD 5DPI 0–10 V

basicDIM ILD 5DPI
0–10 V Programmer

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 years
__ Lifetime 50,000 hours

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

LED module

Matching LED Module

LED Module	Size
For Spot- und Downlights	
SLE G7 ADV, EXC	**advanced (ADV):** LES09, LES13, LES15, LES17, LES21 **excite (EXC):** LES09, LES13, LES15, LES17, LES21
For Linear, Wide Area and Free Standing	
LLE G5 16 mm, LLE G5 24 mm ADV, LLE G5 55mm	**16**x70, 140, 280, 560 mm **24**x70,140, 280, 560 mm **55**x280, 566mm
For Linear and Wide Area	
QLE G1 SNC	471x462 mm
QLE G3+ ADV	277x277 mm
QLE and CLE G1 ADV Industry	**QLE**: 220x220 mm **CLE**: Ø 250 mm
For decorative lighting	
LLE FLEX G2 ADV	4,800 x 8 x 2 mm (100 mm cut option)
LLE FLEX G1 EXC Short-pitch	4,800 x 8 x 2 mm (50 mm cut option)

* coming in Q1/19

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Light you want to follow.