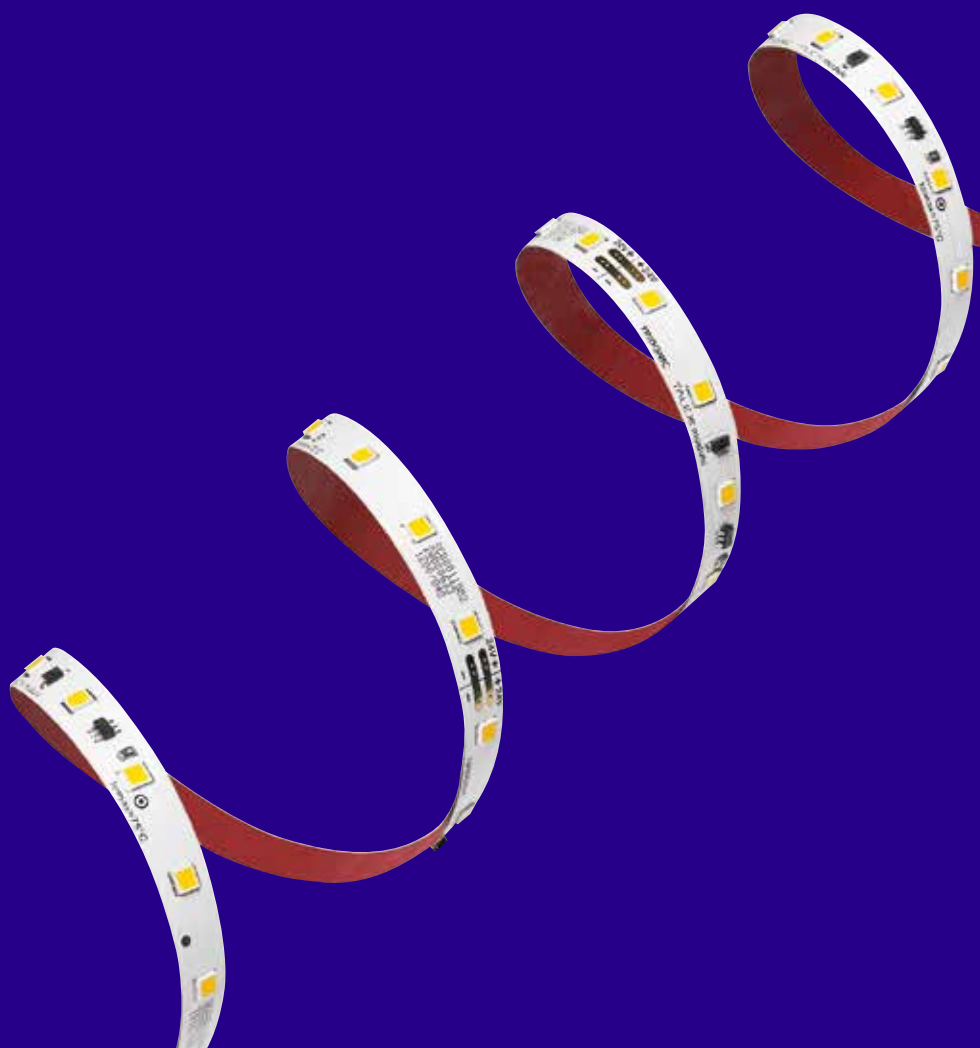


LED Module

# Module LLE FLEX

Homogeneous light from the reel



**TRIDONIC**

# Applications and Product Portfolio

## Homogeneous light from the reel

### Main applications

#### Cove lighting



- Including accent and indirect lighting
- For hotels, shops, guest rooms, etc.

#### General illumination



- For flexible applications
- For shops, commercial premises, etc.

#### Profile lighting



- Shelf and accent lighting
- Linear Furniture lighting



Feature	LLE FLEX SNC	LLE FLEX ADV	LLE FLEX EXC Short-pitch
Dimensions (L x W x H)	4,800 x 8 x 2 mm	4,800 x 8 x 2 mm	4,800 x 8 x 2 mm
Luminous flux	600 lm, 1,200 lm, 1,800 lm	600 lm, 1,200 lm, 1,800 lm	600 lm, 1,200 lm, 1,800 lm, 2,500 lm
Colour temperature	2,700 K, 3,000 K, 4,000 K and 6,500 K with SDCM 5	2,700 K, 3,000 K, 4,000 K and 6,500 K with SDCM 3	2,700 K, 3,000 K, 4,000 K and 6,500 K with SDCM 3
Module efficiency	125 lm/W	141 lm/W	120 lm/W
Colour rendering index	CRI >80	CRI >80	CRI >90
Cut options	50 mm cut options	100 mm cut options	50 mm cut options
Light point spacing	8 mm Light point spacing	14 mm Light point spacing	7 mm Light point spacing

**The extremely homogeneous LED module LLE FLEX continuous lighting strip can perform numerous different lighting tasks – from decorative indirect, cove or accent lighting to direct general lighting with light lines. It can also be used in profile lighting.**

In combination with a constant-voltage LED Driver with an appropriate output – such as the LED Driver 24 V from Tridonic – LED module LLE FLEX is the perfect system solution.

Lighting solutions based on the fixed-output or dimmable LED strip can be very long indeed.

# essence (SNC)



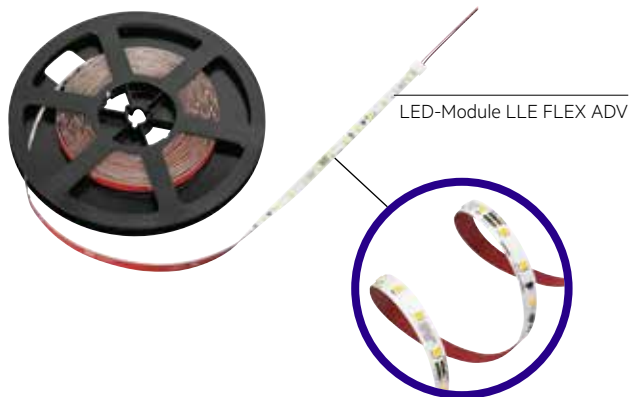
### At a glance: Module LLE FLEX SNC

- Linear LED strip on a flexible board
- Efficacy of the module up to 125 lm/W (tp = 65 °C)
- High design freedom due to 50 mm cut-options
- Pitch distance of 8.3 mm enables high light homogeneity
- Simple installation with 3M thermal adhesive tape on a wide range of surfaces
- PCB to PCB and cable to PCB connectors for simple connection; no tools required
- CRI >80
- Long lifetime of up to 50,000 hours
- 5-year guarantee

Type	Colour-temperature (K)	Mac Adam	Typ. luminous flux tp = 65 °C <sup>1)</sup> (lm/m)	CRI	Typ. power consumption tp = 65 °C <sup>1)</sup> (W/m)	Luminous efficacy of module tp = 65 °C (lm/W)	Order No.
LLE FLEX G1 8x4800 5W-600lm/m 827 SNC	2,700	SDCM 5	585	> 80	5.2	113	28002098
LLE FLEX G1 8x4800 5W-600lm/m 830 SNC	3,000	SDCM 5	585	> 80	5.0	117	28002099
LLE FLEX G1 8x4800 5W-600lm/m 840 SNC	4,000	SDCM 5	585	> 80	4.8	122	28002100
LLE FLEX G1 8x4800 5W-600lm/m 865 SNC	6,500	SDCM 5	585	> 80	4.8	122	28002101
LLE FLEX G1 8x4800 11W-1200lm/m 827 SNC	2,700	SDCM 5	1,175	> 80	10.6	111	28002102
LLE FLEX G1 8x4800 10W-1200lm/m 830 SNC	3,000	SDCM 5	1,175	> 80	10.4	113	28002103
LLE FLEX G1 8x4800 10W-1200lm/m 840 SNC	4,000	SDCM 5	1,175	> 80	9.8	125	28002104
LLE FLEX G1 8x4800 10W-1200lm/m 865 SNC	6,500	SDCM 5	1,175	> 80	9.8	125	28002105
LLE FLEX G1 8x4800 16W-1800lm/m 827 SNC	2,700	SDCM 5	1,765	> 80	16.2	109	28002106
LLE FLEX G1 8x4800 16W-1800lm/m 830 SNC	3,000	SDCM 5	1,765	> 80	15.8	112	28002107
LLE FLEX G1 8x4800 14W-1800lm/m 840 SNC	4,000	SDCM 5	1,765	> 80	14.2	124	28002108
LLE FLEX G1 8x4800 14W-1800lm/m 865 SNC	6,500	SDCM 5	1,765	> 80	14.2	124	28002109

<sup>1)</sup> Tolerances range for optical and electrical data: ±10 %. Values per 1m of LLE FLEX.

# advanced (ADV)



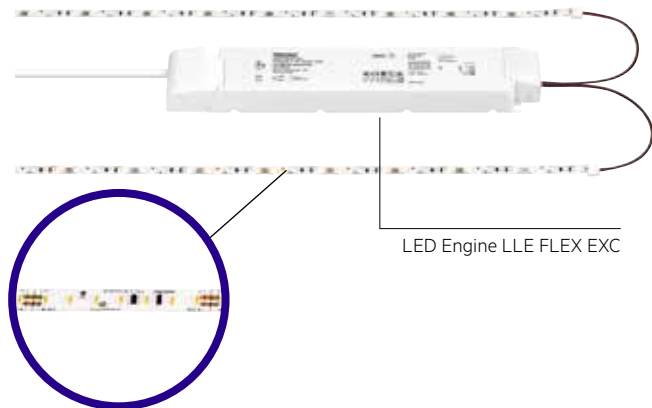
### At a glance: Module LLE FLEX ADV

- Linear LED strip on a flexible board
- Module efficiency of up to 141 lm/W (tp = 65 °C)
- Freedom of design thanks to 100 mm cut options
- Light point spacing of 14 mm for high homogeneous light
- Simple installation with 3M thermal adhesive tape on a wide range of surfaces
- PCB to PCB and cable to PCB connectors for simple connection; no tools required
- CRI >80
- Long lifetime of up to 50,000 hours
- 5-year guarantee

Type	Colour-temperature (K)	Mac Adam	Typ. luminous flux tp = 65 °C <sup>1)</sup> (lm/m)	CRI	Typ. power consumption tp = 65 °C <sup>1)</sup> (W/m)	Luminous efficacy of module tp = 65 °C (lm/W)	Order No.
LLE FLEX G2 8x4800 4W-600lm/m 827 ADV	2,700	SDCM 3	520	> 80	3.8	136	28001832
LLE FLEX G2 8x4800 4W-600lm/m 830 ADV	3,000	SDCM 3	520	> 80	3.8	136	28001900
LLE FLEX G2 8x4800 4W-600lm/m 840 ADV	4,000	SDCM 3	520	> 80	3.8	136	28001901
LLE FLEX G2 8x4800 4W-600lm/m 865 ADV	6,500	SDCM 3	520	> 80	3.8	136	28001902
LLE FLEX G2 8x4800 8W-1200lm/m 827 ADV	2,700	SDCM 3	1,050	> 80	7.8	134	28001833
LLE FLEX G2 8x4800 8W-1200lm/m 830 ADV	3,000	SDCM 3	1,050	> 80	7.8	134	28001903
LLE FLEX G2 8x4800 7W-1200lm/m 840 ADV	4,000	SDCM 3	1,050	> 80	7.4	141	28001904
LLE FLEX G2 8x4800 7W-1200lm/m 865 ADV	6,500	SDCM 3	1,050	> 80	7.4	141	28001905
LLE FLEX G2 8x4800 12W-1800lm/m 827 ADV	2,700	SDCM 3	1,550	> 80	11.8	131	28001834
LLE FLEX G2 8x4800 12W-1800lm/m 830 ADV	3,000	SDCM 3	1,550	> 80	11.8	131	28001906
LLE FLEX G2 8x4800 11W-1800lm/m 840 ADV	4,000	SDCM 3	1,550	> 80	11.3	137	28001907
LLE FLEX G2 8x4800 11W-1800lm/m 865 ADV	6,500	SDCM 3	1,550	> 80	11.3	137	28001908

<sup>1)</sup> Tolerances range for optical and electrical data: ±15%. Values per 1m of LLE FLEX.

# excite (EXC) Short-pitch



## At a glance: Module LLE FLEX EXC Short-pitch

- Linear LED strip on a flexible board
- Light point spacing of 6–7 mm for extremely homogeneous light
- Module efficiency of up to 105 lm/W (tp = 65 °C)
- Great freedom of design thanks to 50 mm cut options
- Small spacings from the lighting strip to the diffuser are possible
- CRI >90
- Long lifetime of up to 50,000 hours
- 5-year guarantee

Type	Colour-temperature (K)	Mac Adam	Typ. luminous flux at tp = 65 °C <sup>1)</sup> (lm/m)	Colour rendering index CRI	Typ. power consumption at tp = 65 °C <sup>1)</sup> (W/m)	Luminous efficacy of module at tp = 65 °C (lm/W)	Order No.
LLE FLEX G1 8x4800 6W-600lm/m 927 EXC	2,700	SDCM 3	600	> 90	6.2	90	87500524
LLE FLEX G1 8x4800 6W-600lm/m 930 EXC	3,000	SDCM 3	600	> 90	6.2	90	87500525
LLE FLEX G1 8x4800 6W-600lm/m 940 EXC	4,000	SDCM 3	615	> 90	5.6	100	87500526
LLE FLEX G1 8x4800 6W-600lm/m 965 EXC	6,500	SDCM 3	615	> 90	5.6	100	87500527
LLE FLEX G1 8x4800 11W-1200lm/m 927 EXC	2,700	SDCM 3	1,190	> 90	11.2	96	87500528
LLE FLEX G1 8x4800 11W-1200lm/m 930 EXC	3,000	SDCM 3	1,190	> 90	11.2	96	87500529
LLE FLEX G1 8x4800 11W-1200lm/m 940 EXC	4,000	SDCM 3	1,220	> 90	10.8	105	87500530
LLE FLEX G1 8x4800 11W-1200lm/m 965 EXC	6,500	SDCM 3	1,220	> 90	10.8	105	87500531
LLE FLEX G1 8x4800 18W-1800lm/m 927 EXC	2,700	SDCM 3	1,770	> 90	18	90	87500532
LLE FLEX G1 8x4800 18W-1800lm/m 930 EXC	3,000	SDCM 3	1,770	> 90	18	90	87500533
LLE FLEX G1 8x4800 16W-1800lm/m 940 EXC	4,000	SDCM 3	1,780	> 90	15.8	103	87500534
LLE FLEX G1 8x4800 16W-1800lm/m 965 EXC	6,500	SDCM 3	1,780	> 90	15.8	103	87500535
LLE FLEX G1 8x4800 26W-2500lm/m 927 EXC	2,700	SDCM 3	2,470	> 90	26	85	87500536
LLE FLEX G1 8x4800 26W-2500lm/m 930 EXC	3,000	SDCM 3	2,470	> 90	26	85	87500537
LLE FLEX G1 8x4800 23W-2500lm/m 940 EXC	4,000	SDCM 3	2,440	> 90	22.6	99	87500538
LLE FLEX G1 8x4800 23W-2500lm/m 965 EXC	6,500	SDCM 3	2,440	> 90	22.6	99	87500539
LLE FLEX G1 8x48000 11W-1200lm/m 927 EXC	2,700	SDCM 3	1,190	> 90	11.2	96	87500540
LLE FLEX G1 8x48000 11W-1200lm/m 930 EXC	3,000	SDCM 3	1,190	> 90	11.2	96	87500541
LLE FLEX G1 8x48000 11W-1200lm/m 940 EXC	4,000	SDCM 3	1,220	> 90	10.8	105	87500542
LLE FLEX G1 8x48000 18W-1800lm/m 927 EXC	2,700	SDCM 3	1,770	> 90	18	90	87500556
LLE FLEX G1 8x48000 18W-1800lm/m 930 EXC	3,000	SDCM 3	1,770	> 90	18	90	87500557
LLE FLEX G1 8x48000 16W-1800lm/m 940 EXC	4,000	SDCM 3	1,780	> 90	15.8	103	87500558
LLE FLEX G1 8x48000 26W-2500lm/m 927 EXC	2,700	SDCM 3	2,470	> 90	26	85	87500543
LLE FLEX G1 8x48000 26W-2500lm/m 930 EXC	3,000	SDCM 3	2,470	> 90	26	85	87500544
LLE FLEX G1 8x48000 23W-2500lm/m 940 EXC	4,000	SDCM 3	2,440	> 90	22.6	99	87500545

<sup>1)</sup> Tolerances range for optical and electrical data: ±10%. Values per 1m of LLE FLEX.

## System solution

# The perfect 24 V system solution for flexible lighting strips

LCU 35–180W 24V EXC



### At a glance: LCU 35–180W 24V EXC

- Constant-voltage LED Driver 24 V
- Wide input voltage range (108–305 V)
- Not dimmable
- Small cross-section for a wide range of applications
- Long lifetime of up to 50,000 hours
- 5-year guarantee

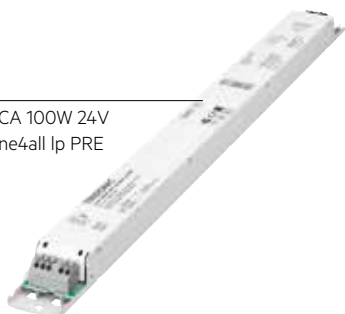
LCA 35 W/60 W/100 W/150 W  
24V one4all SC PRE



### At a glance: LCA 35 W/60 W/100 W/150 W 24V one4all SC PRE

- Constant-voltage LED Driver 24 V
- Dimming via one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION) and ready2mains interface
- Stretched Compact housing with strain relief to pin
- Type of protection IP20
- Long lifetime of up to 50,000 hours
- 5-year guarantee

LCA 100W 24V  
one4all Ip PRE



### At a glance: LCA 100W 24V one4all Ip PRE

- Constant-voltage LED Driver 24 V
- Dimming via one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION) and ready2mains interface
- Slim Linear low profile form-factor
- Type of protection IP20
- Long lifetime of up to 50,000 hours
- 5-year guarantee

LC 35 W/60 W/100 W/200 W  
24V SC SNC



### At a glance: LC 35 W/60 W/100 W/200 W SC SNC

- Constant-voltage LED Driver 24 V
- Dimmable via PWM LED dimmers
- Stretched Compact housing with strain relief to pin
- Type of protection IP20
- Long lifetime of up to 50,000 hours
- 5-year guarantee

LC 35 W/60 W/100 W  
24V Ip SNC



### At a glance: LC 35 W/60 W/100 W 24V Ip SNC

- Constant-voltage LED Driver 24 V
- Dimmable via PWM LED dimmers
- Slim Linear low profile form-factor
- Type of protection IP20
- Long lifetime of up to 50,000 hours
- 5-year guarantee

# Hassle-free wireless

## The intuitive path towards wireless luminaire communication



**basicDIM Wireless control technology allows versatile and professional interaction with all luminaires within an area – fully intuitive and with no additional wiring required.**

The basis for the wireless light management is found in the luminaire with the LED module, a DALI driver and the basicDIM Wireless module. The control profiles are saved during the luminaire production stage. Users can choose whether to control the lighting using the 4remote BT App or via the user interface.

Up to 127 light points can be conveniently controlled via Bluetooth: switching on and off as well as dimming functions are just as simple as grouping luminaires and creating lighting settings. Tunable White luminaires change their colour temperature to suit the user and the direct and indirect light content are simple to adjust. All the elements for integrating sensors are also in place.

Wireless communication starts in the luminaire. The user uses the 4remote BT App or user interface to communicate with the basicDIM Wireless module, which forwards the information to the LED module via the 24 V constant voltage driver.

Thanks to the premium (PRE) driver series with integrated basicDIM Wireless technology, luminaires can be constructed with even greater ease.



### At a glance: basicDIM Wireless User Module 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

### Easy-to-dim LLE FLEX continuous row

The constant voltage (CV) basicDIM Wireless module is the ideal solution when you want to add a dimming function to existing accent lighting consisting of LED light lines without undertaking structural measures. Combined with non-dimmable 24 V CV drivers, an individual control module can dim up to four LLE FLEX module strips.



### At a glance: basicDIM Wireless Driver constant voltage PRE (CV)

- Dimmable 24 V constant voltage LED Driver for flexible constant voltage strips
- Small design with stretched-compact strain relief
- basicDIM Wireless enables different dimming options 1 to 100 %
- Nominal life-time up to 50,000h, 5-year guarantee

### The advantages of drivers with integrated basicDIM Wireless technology

With premium (PRE) series drivers, just one device needs to be installed for each luminaire, saving a huge amount of space. Since no additional wiring is required, costs are reduced significantly, too.

# System solution

The perfect 24 V system solution for flexible lighting strips

## Matching LED Driver

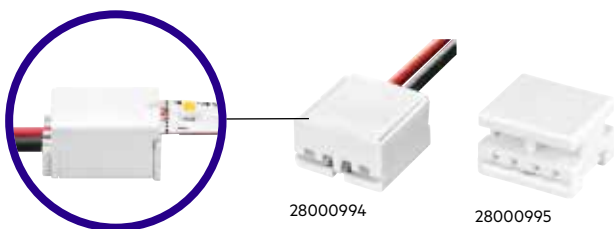
NEW	LED Driver	Order No.
<b>Driver Dimming</b>		
	LCA 35W 24V one4all SC PRE	28001662
	LCA 60W 24V one4all SC PRE	28001663
	LCA 100W 24V one4all SC PRE	28001253
	LCA 150W 24V one4all SC PRE	28001437
	LCA 100W 24V one4all Ip PRE	28001436
<b>Driver non-dimming</b>		
	LC 35W 24V SC SNC	87500852
	LC 35W 24V Ip SNC	87500854
	LCU 35W 24V SR TOP	28000411
	LC 60W 24V SC SNC	87500665
	LC 60W 24V Ip SNC	87500669
	LCU 60W 24V SR TOP	28000412
	LCU 96W 24V SR TOP	28000413
	LC 100W 24V SC SNC	87500666
	LC 100W 24V Ip SNC	87500670
	LCU 180W 24V SR TOP	28000414
	LC 200W 24V SC SNC	87500855
<b>Driver basicDIM Wireless integrated</b>		
	LC 35/24V bDW SC PRE2	28002415
	LC 60/24V bDW SC PRE2	28002416
	LC 100/24V bDW SC PRE2	28002417
	LC 150/24V bDW SC PRE2	28002418

\*Preliminary technical data, coming in Q1/19

## Order information basicDIM Wireless

NEW	Type	Item no.
	basicDIM Wireless PWM CV 4CH	28002575
	basicDIM Wireless User Interface	28002213
	basicDIM Wireless User Interface white	28002420

## LED accessory

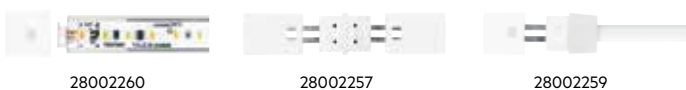


All accessories for the LLE FLEX lighting strips, interconnector, wire to pcb connectors and end caps enabling intuitive and easy handling. Installation is also child's play with the 3M adhesive tape.

## At a glance: LED accessory

- For connecting LLE FLEX modules
- Connector with cable for connecting to an LED Driver

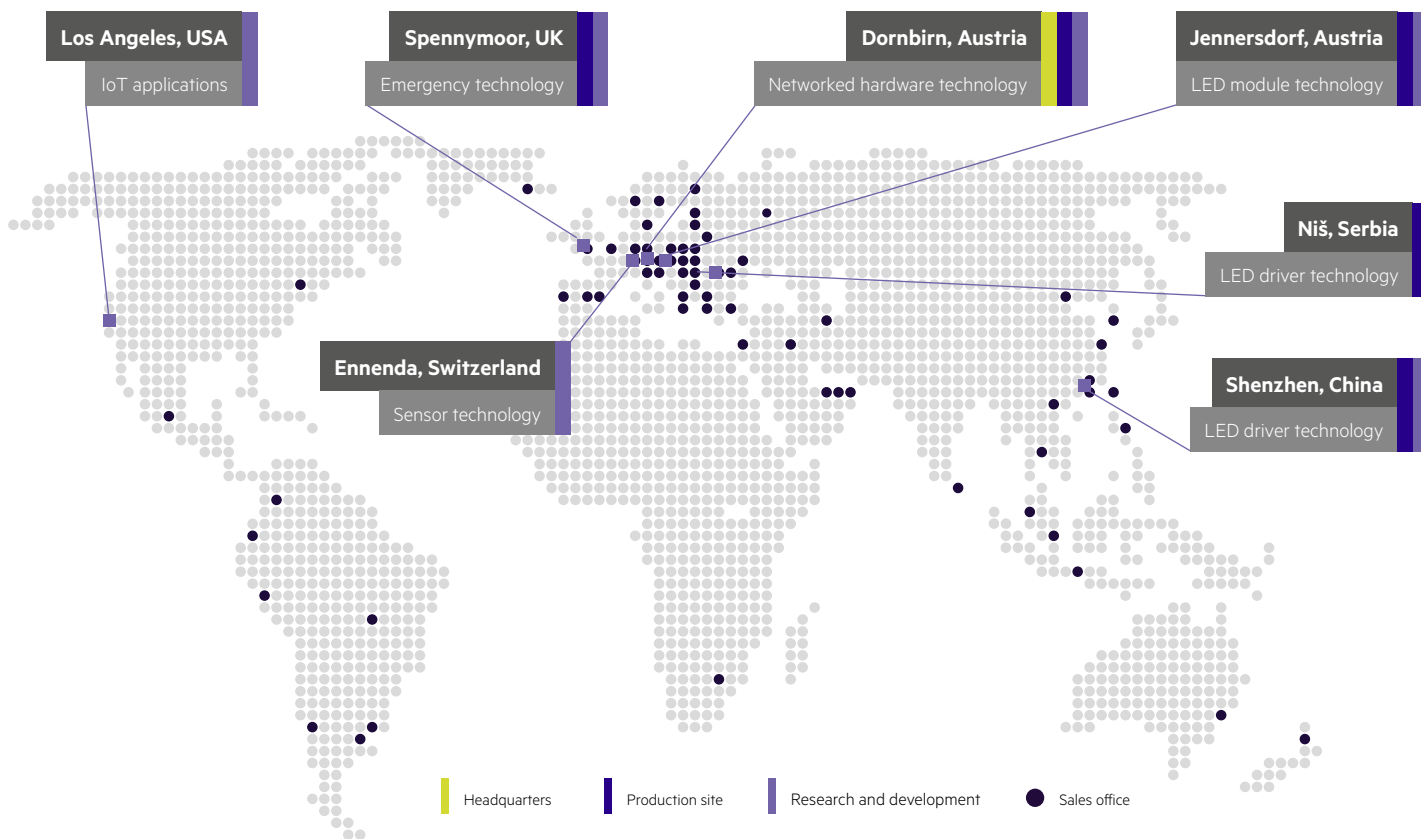
Type	Order No.
<b>Accessory IP20</b>	
ACL plug connector Wire to PCB 9x4.2mm	28000994
ACL plug connector Wire-PCB 500x9x5.7mm	28001657
ACL plug connector Wire-PCB 2000x9x5.7mm	28001656
ACL plug connector PCB to PCB 8x4.2mm	28000995
ACL plug corner connector 150x9.8x5.7mm	28001654
ACL plug corner connector 60x9.8x5.7mm	28001655





# Prepared for the Future

## Our Activities and Locations



**1,700**

Around 1,700 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 networked 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.

**21**

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

**2,700**

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](http://www.tridonic.com)

# Support and advice

## From a single source



Engine DLE



Engine CLE



Engine CLE Integrated



Engine DLE Integrated



Engine LLE Integrated



Engine LLE



Engine LLE FLEX



Engine QLE



Engine SLE



Engine EM ready2apply



basicDIM Wireless Module



basicDIM Wireless Driver

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.

