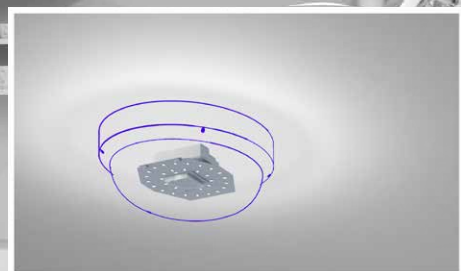
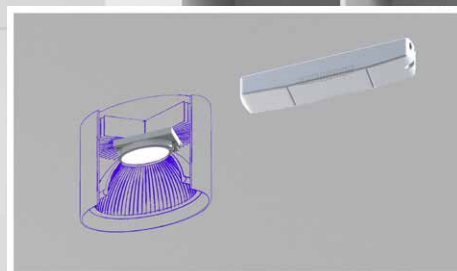
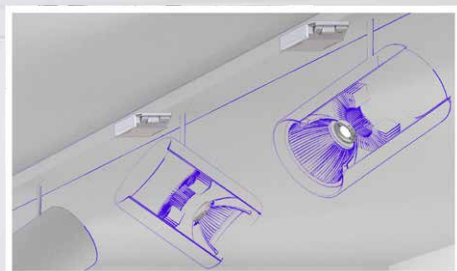
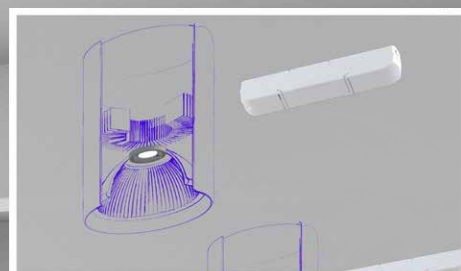
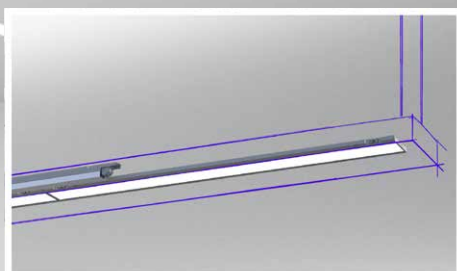
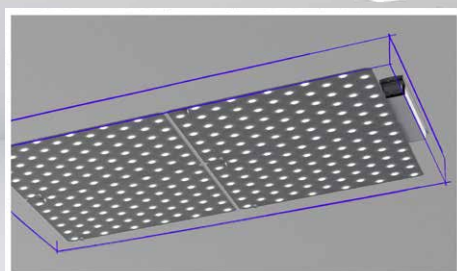


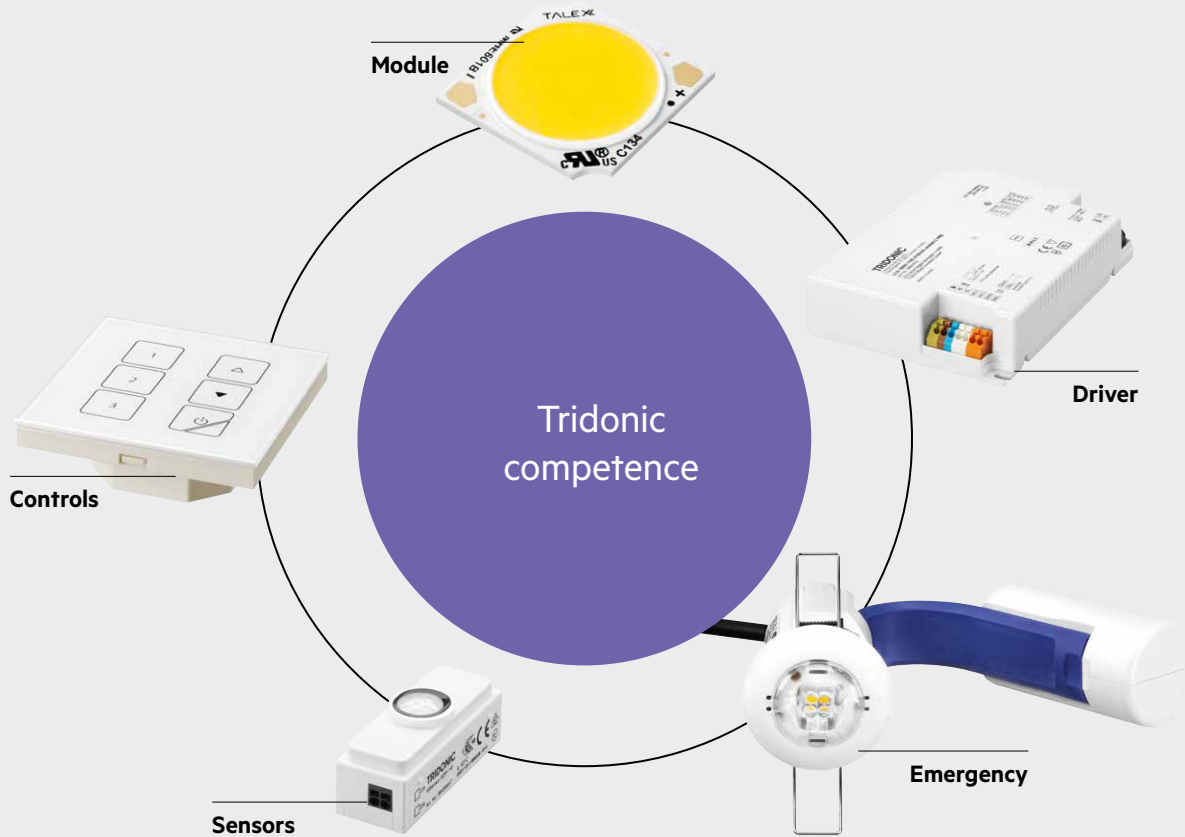
LED solutions

Leading lighting components solutions



TRIDONIC

Keeping the details in mind and the system in sight



Perfect solutions are based on reliable components, each of which work with high precision and efficiency. From LED modules and LED Drivers to emergency lighting and lighting control systems: Tridonic offers you a comprehensive, diverse range of products on a one-stop shop basis – to be individually combined, including complete solution packages for any application. We keep all your requirements – down to the smallest detail – in mind and the entire system in sight.

LED system solutions at a glance

Tridonic provides you with LED light sources and LED Drivers tailored to your individual requirements.

The different product categories from the Tridonic portfolio can be combined in a variety of ways to meet your own specific requirements. For a better overview, the portfolio has been arranged in the following product categories:

Office & Education and Retail & Hospitality

	ESSENCE	ADVANCED	EXCITE	PREMIUM
	<ul style="list-style-type: none"> — Application-related specifications — Focus on core functions — Proven Tridonic quality 	<ul style="list-style-type: none"> — Easy to connect — Highest efficiency — Excellent quality of light for sophisticated demands 	<ul style="list-style-type: none"> — Maximum flexibility that pays off — Fascinating lighting moods — For demanding lighting tasks 	<ul style="list-style-type: none"> — Maximum convenience for your application — Digital networking and control — Adjustable colour temperature (Tunable White)
Quality of light				
Module efficiency				
LED Driver efficiency				
Life-time				
Tunable White				✓
Dimming				DALI/ready2mains
Backwards compatible			✓	✓
Guarantee	3 years/5 years	5 years	5 years	5 years

Overview of LED systems

Examples for each luminaire category

Downlight

Engine DLE

- High system efficacy of up to 158 lm/W
- Dimming range from 1–100 %
- Plug & Play – automatic luminous flux setting

System solution

- 1 x DLE ADV
- 1 x LCAI 20W 350–900mA SR PRE



6 Spotlight

Engine SLE

- High system efficacy of up to 150 lm/W
- Excellent thermal management & outstanding luminance thanks to COB technology
- Dimming range from 1–100 %
- Plug & Play – automatic luminous flux setting

System solution

- 1 x SLE ADV
- 1 x LCAI 35W 350–900mA ECO C



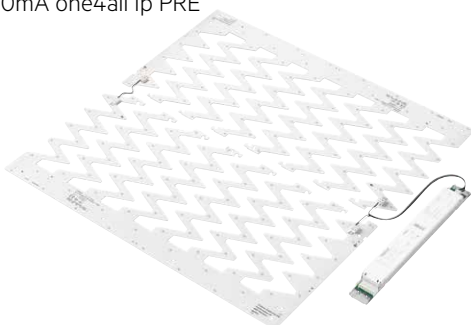
Wide Area

Engine QLE

- System efficacy of up to 162 lm/W
- Perfectly uniform light even if several LED modules are arranged one after the other
- Self-cooling
- Dimming range from 1–100 %
- Integrated emergency lighting functionality

System solution

- 2 x QLE ADV
- 1 x LCA 50W 100–400mA one4all Ip PRE



Overview of LED systems

Examples for each luminaire category

Linear

Engine LLE

- System efficacy of up to 165lm/W
- Perfectly uniform light even if several LED
- Modules are arranged one after the other
- Dimming range from 1-100%
- Integrated emergency lighting functionality

System solution

- 4 x LLE ADV
- 1 x LCA 50W 100-400mA one4all Ip PRE



Engine LLE Flex

- Module efficacy of up to 130lm/W
- Great freedom of design thanks to 50/100 mm cut options
- Simple installation with thermal adhesive tape

System solution

- 1 x LLE FLEX
- 1 x LCU 35-180W 12/24 V SR EXC



Floor | Wall

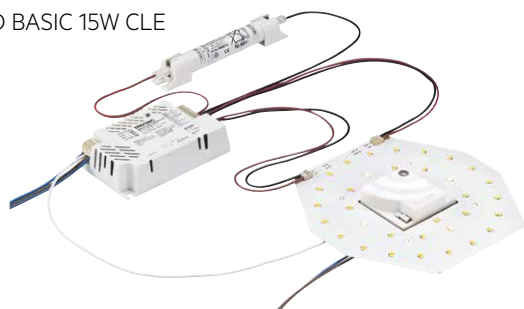
ready2apply

Engine CLE

- System efficacy up to 156 lm/W
- Self-cooling
- Integrated emergency lighting functionality

System solution

- 1 x CLE ADV EM SO
- 1 x SWITCH Sensor HF 5BP
- 1 x EM powerLED BASIC 15W CLE
- 1 x Accu-NiCd



Engine DLA, SLA, Emergency

- System efficacy up to 90 lm/W
- Self-cooling
- Complete ready-to-apply solution

System solution

- 1 x SLA G1 SNC
- 1 x LC 8W 220mA phase cut SNC



Engine DLE

Compact system solution for downlights



Product Portfolio

ADVANCED

Simplicity itself

Static White in 3,000 K,
and 4,000 K with a
CRI > 80



The market-tested and extremely reliable Module DLE portfolio is being further expanded. The compact system solutions for your downlights are being updated in terms of efficiency and application.

In its fourth generation the compact system solution for downlights has had its efficiency improved by up to 12 percent and at 185lm/W is one of the most efficient downlight modules. In addition to the proven benefits such as excellent colour rendering of CRI > 80 and the small housing, the new generation offers greater flexibility with additional selection options. The modules are available as LED board or housing versions with integrated diffuser technology and can be operated with a dimmable or non-dimmable driver.

Engine DLE

Engine DLE ADVANCED

NEW	Module	Housing	Colour-temperature (K)	Typ. luminous flux ¹⁾ (lm)			Typ. power consumption ²⁾ (W)			Module efficacy ³⁾ (lm/W)	Size (mm)	Order No.
				HE	NM ²⁾	HO	HE	NM	HO			
	DLE G4 65mm 2000lm 830 R ADV	no	3,000	1,470	1,820	2,480	8.89	11.3	16.6	164	78x78	89602870
	DLE G4 65mm 2000lm 840 R ADV	no	4,000	1,360	1,920	2,440	7.8	11.3	14.9	175	78x78	89602871
	DLE G4 65mm 3000lm 830 R ADV	no	3,000	2,480	3,010	3,510	15.0	18.5	22.2	165	78x78	89602872
	DLE G4 65mm 3000lm 840 R ADV	no	4,000	2,620	3,180	3,710	15.0	18.5	22.2	173	78x78	89602873
	DLE G4 65mm 2000lm 830 H ADV	yes	3,000	1,240	1,540	2,100	8.9	11.3	16.2	139	81.5x81.5	89602874
	DLE G4 65mm 2000lm 840 H ADV	yes	4,000	1,150	1,630	2,070	7.8	11.3	14.9	148	81.5x81.5	89602875
	DLE G4 65mm 3000lm 830 H ADV	yes	3,000	2,100	2,550	2,980	15.0	32.2	22.2	139	81.5x81.5	89602876
	DLE G4 65mm 3000lm 840 H ADV	yes	4,000	2,220	2,690	3,150	15.0	32.2	22.2	147	81.5x81.5	89602877
	DLE G4 65mm 5000lm 830 H ADV	yes	3,000	2,550	3,370	5,050	18.5	25.8	43.1	136	81.5x81.5	89603014
	DLE G4 65mm 5000lm 840 H ADV	yes	4,000	2,690	3,550	5,330	18.5	25.8	43.1	144	81.5x81.5	89603015

¹⁾Tolerance range for electrical data: ±10%, tolerance range for optical data: ±10% ²⁾ NM = Nominal Mode; ³⁾ Betriebsmodus HE, tp = 65°C

Module SLE

LED generation for spotlights and downlights

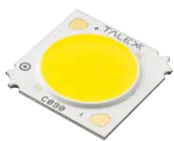


Product Portfolio – Overview

ESSENCE

Cost-effective

Static White (3,000 K, 3,500 K and 4,000 K) with a CRI > 80 and a CRI > 90



ADVANCED

Simplicity itself

Static White (2,700 K; 3,000 K; 3,500 K; 4,000 K) with a CRI > 80 and a CRI > 90, long lifetime and high lm/W output



EXCITE

Flexible

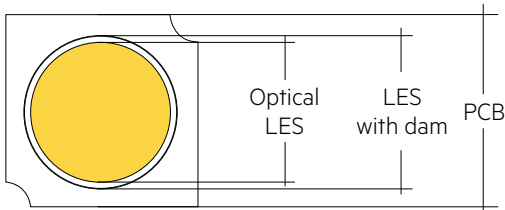
Application-specific light colours: SUNSET, FOOD, ART, FASHION, TINGE



PREMIUM

Convenient

Tunable White (2,700 K – 6,500 K) with a CRI > 90



	LES 23 (mm)	LES 19 (mm)	New LES 17 (mm)	LES 15 (mm)	LES 10 (mm)
LES with dam	23	19	17	15	10
Optical LES	21.5	17.5	15.5	13.5	8.5
PCB size	31x31	31x31	19x19	19x19	13.5x13.5

Module SLE G6 offers an impressive increase in efficiency of up to 30%, and the portfolio has also been restructured: Thanks to the high operating current, ESSENCE LED modules offer high luminous efficacy at an optimum price level and a lifetime of 50,000 hours. With their low operating current, ADVANCED LED modules offer best performance at high efficiency and are now available with a CRI of 90.

There is also greater variety and quality in colour rendering. The colour rendering has been improved for products with a CRI of 80 thanks to a greatly improved RI 9 value. There are alternatives with a CRI of 90 available for particularly demanding requirements. Engine SLE is the perfect system solution in combination with fixed-output or dimmable LED Drivers from Tridonic (www.tridonic.at/setbuilder).

Module SLE

Module SLE ESSENCE

Type	Colour-temperature (K)	Typ. luminous flux ¹⁾ Operation mode (lm)			Typ. power consumption ²⁾ Operation mode (W)			Module efficacy tp = 65 °C (lm/W)	Size (mm)	Order No.
		HE	NM	HO	HE	NM	HO			
SLE G6 15mm 3000lm 830 R SNC	3,000	1,780	2,440	4,000	12.2	17.8	34.8	up to 146	19 x 19	28001684
SLE G6 15mm 3000lm 840 R SNC	4,000	1,850	2,540	4,170	12.2	17.8	34.8	up to 152	19 x 19	28001685
SLE G6 15mm 3000lm 930 R SNC	3,000	1,510	2,070	3,390	12.2	17.8	34.8	up to 124	19 x 19	28001686
SLE G6 15mm 3000lm 935 R SNC	3,500	1,570	2,150	3,530	12.2	17.8	34.8	up to 129	19 x 19	28002040
SLE G6 15mm 3000lm 940 R SNC	4,000	1,610	2,210	3,630	12.2	17.8	34.8	up to 132	19 x 19	28001687
SLE G6 17mm 4000lm 830 R SNC	3,000	2,530	4,210	5,300	17.4	33.5	46.8	up to 145	19 x 19	28001688
SLE G6 17mm 4000lm 840 R SNC	4,000	2,630	4,390	5,530	17.4	33.5	46.8	up to 151	19 x 19	28001689
SLE G6 17mm 4000lm 930 R SNC	3,000	2,140	3,570	4,490	17.4	33.5	46.8	up to 123	19 x 19	28001690
SLE G6 17mm 4000lm 935 R SNC	3,500	2,230	3,720	4,690	17.4	33.5	46.8	up to 128	19 x 19	28002041
SLE G6 17mm 4000lm 940 R SNC	4,000	2,290	3,820	4,820	17.4	33.5	46.8	up to 132	19 x 19	28001691

¹⁾ Tolerance range for electrical data: ±10%, tolerance range for optical data: ±10%, HE=High Efficiency, NM=Nominal, HO=High Output

Module SLE

Module SLE ADVANCED

Type	Colour-temperature (K)	Typ. luminous flux ⁹ Operation mode (lm)			Typ. power consumption ⁹ Operation mode (W)			Module efficacy $\eta_p = 65^\circ\text{C}$ (lm/W)	Size (mm)	Order No.		
		HE	NM	HO	HE	NM	HO			Raw (R)	Cable (C)	Housing (H)
SLE G6 10mm 1200lm 830 R ADV	3,000	1,220	1,640	2,200	8.8	12.7	19.1	up to 139	13.5x13.5	28001680		
SLE G6 10mm 1200lm 840 R ADV	4,000	1,270	1,710	2,290	8.8	12.7	19.1	up to 144	13.5x13.5	28001681		
SLE G6 10mm 1200lm 927 R ADV	2,700	1,010	1,350	1,820	8.8	12.7	19.1	up to 115	13.5x13.5	28001805		
SLE G6 10mm 1200lm 930 R ADV	3,000	1,040	1,390	1,860	8.8	12.7	19.1	up to 118	13.5x13.5	28001682		
SLE G6 10mm 1200lm 940 R ADV	4,000	1,110	1,490	1,990	8.8	12.7	19.1	up to 126	13.5x13.5	28001683		
SLE G6 15mm 3000lm 827 R ADV	2,700	1,800	2,500	4,150	11.8	17.3	33.1	up to 153	19x19	89602627		
SLE G6 15mm 3000lm 830 R/C/H ADV	3,000	1,850	2,560	4,250	11.8	17.3	33.1	up to 157	19x19 Ø 35	89602628	89602639	89602635
SLE G6 15mm 3000lm 830 H D50 ADV									Ø 50			89602643
SLE G6 15mm 3000lm 835 R ADV	3,500	1,890	2,620	4,340	11.8	17.3	33.1	up to 160	19x19	89602629		
SLE G6 15mm 3000lm 840 R/C/H ADV	4,000	1,930	2,670	4,440	11.8	17.3	33.1	up to 164	19x19 Ø 35	89602630	89602640	89602636
SLE G6 15mm 3000lm 840 H D50 ADV									Ø 50			89602644
SLE G6 15mm 3000lm 927 R ADV	2,700	1,530	2,120	3,520	11.8	17.3	33.1	up to 130	19x19	89602631		
SLE G6 15mm 3000lm 930 R/C/H ADV	3,000	1,570	2,170	3,600	11.8	17.3	33.1	up to 133	19x19 Ø 35	89602632	89602641	89602637
SLE G6 15mm 3000lm 930 H D50 ADV									Ø 50			89602645
SLE G6 15mm 3000lm 935 R ADV	3,500	1,630	2,270	3,760	11.8	17.3	33.1	up to 138	19x19	89602633		
SLE G6 15mm 3000lm 940 R/C/H ADV	4,000	1,680	2,330	3,860	11.8	17.3	33.1	up to 142	19x19 Ø 35	89602634	89602642	89602638
SLE G6 15mm 3000lm 940 H D50 ADV									Ø 50			89602646
SLE G6 17mm 4000lm 827 R ADV	2,700	2,530	4,280	5,430	17.0	32.4	44.9	up to 149	19x19	89602712		
SLE G6 17mm 4000lm 830 R/C/H ADV	3,000	2,600	4,390	5,570	17.0	32.4	44.9	up to 153	19x19 Ø 50	89602713	89602724	89602720
SLE G6 17mm 4000lm 835 R ADV	3,500	2,650	4,480	5,690	17.0	32.4	44.9	up to 156	19x19	89602714		
SLE G6 17mm 4000lm 840 R/C/H ADV	4,000	2,710	4,580	5,800	17.0	32.4	44.9	up to 159	19x19	89602715	89602725	89602721
SLE G6 17mm 4000lm 927 R ADV	2,700	2,150	3,630	4,600	17.0	32.4	44.9	up to 126	19x19	89602716		
SLE G6 17mm 4000lm 930 R/C/H D50 ADV	3,000	2,200	3,720	4,720	17.0	32.4	44.9	up to 129	19x19 Ø 50	89602717	89602726	89602722
SLE G6 17mm 4000lm 935 R ADV	2,700	2,290	3,880	4,920	17.0	32.4	44.9	up to 135	19x19	89602718		
SLE G6 17mm 4000lm 940 R/C/H D50 ADV	4,000	2,360	3,990	5,060	17.0	32.4	44.9	up to 139	19x19 Ø 50	89602719	89602727	89602723
SLE G6 19mm 5000lm 827 R/C/H ADV	2,700	2,650	4,500	6,530	16.8	31.8	52.5	up to 158	31x31 Ø 50	89602647	89602663	89602655
SLE G6 19mm 5000lm 830 R/C/H ADV	3,000	2,720	4,620	6,700	16.8	31.8	52.5	up to 162	31x31 Ø 50	89602648	89602664	89602656
SLE G6 19mm 5000lm 830 H ADV T									Ø 50			89602672
SLE G6 19mm 5000lm 835 R/C/H ADV	3,500	2,770	4,720	6,840	16.8	31.8	52.5	up to 165	31x31 Ø 50	89602649	89602665	89602657
SLE G6 19mm 5000lm 840 R/C/H ADV	4,000	2,830	4,820	6,980	16.8	31.8	52.5	up to 168	31x31 Ø 50	89602650	89602666	89602658
SLE G6 19mm 5000lm 840 H ADV T									Ø 50			89602673
SLE G6 19mm 5000lm 927 R/C/H ADV	2,700	2,240	3,820	5,540	16.8	31.8	52.5	up to 133	31x31 Ø 50	89602651	89602667	89602659

⁹ Tolerance range for electrical data: ±10%, tolerance range for optical data: ±10%, HE=High Efficiency, NM=Nominal, HO=High Output, Tim (T)=Thermal interface material

Module SLE

Type	Colour-temperature (K)	Typ. luminous flux ⁹ Operation mode (lm)			Typ. power consumption ⁹ Operation mode (W)			Module efficacy $\eta_p = 65^\circ\text{C}$ (lm/W)	Size (mm)	Order No.		
		HE	NM	HO	HE	NM	HO			Raw (R)	Cable (C)	Housing (H)
SLE G6 19mm 5000lm 930 R/C/H ADV	3,000	2,230	3,910	5,670	16.8	31.8	52.5	up to 137	31 x 31 Ø 50	89602652	89602668	89602660
SLE G6 19mm 5000lm 930 H ADV T												89602674
SLE G6 19mm 5000lm 935 R/C/H ADV	3,500	2,400	4,080	5,920	16.8	31.8	52.5	up to 143	31 x 31 Ø 50	89602653	89602669	89602661
SLE G6 19mm 5000lm 935 H ADV T												89602824
SLE G6 19mm 5000lm 940 R/C/H ADV	4,000	2,470	4,200	6,080	16.8	31.8	52.5	up to 147	31 x 31 Ø 50	89602654	89602670	89602662
SLE G6 19mm 5000lm 940 H ADV T												89602675
SLE G6 23mm 6000lm 827 R/H ADV	2,700	3,740	5,400	8,370	23.4	36.3	64.2	up to 160	31 x 31 Ø 50	89602676		89602684
SLE G6 23mm 6000lm 830 R/C/H ADV	3,000	3,840	5,540	8,580	23.4	36.3	64.2	up to 164	31 x 31 Ø 50	89602677	89602692	89602685
SLE G6 23mm 6000lm 830 H ADV T												89602699
SLE G6 23mm 6000lm 835 R/C/H ADV	3,500	3,920	5,650	8,760	23.4	36.3	64.2	up to 168	31 x 31 Ø 50	89602678	89602693	89602686
SLE G6 23mm 6000lm 840 R/C/H ADV	4,000	4,000	5,770	8,950	23.4	36.3	64.2	up to 171	31 x 31 Ø 50	89602679	89602694	89602687
SLE G6 23mm 6000lm 840 H ADV T												89602700
SLE G6 23mm 6000lm 927 R/H ADV	2,700	3,170	4,580	7,090	23.4	36.3	64.2	up to 135	31 x 31 Ø 50	89602680		89602688
SLE G6 23mm 6000lm 930 R/C/H ADV	3,000	3,250	4,690	7,270	23.4	36.3	64.2	up to 139	31 x 31 Ø 50	89602681	89602695	89602689
SLE G6 23mm 6000lm 930 H ADV T												89602701
SLE G6 23mm 6000lm 935 R/C/H ADV	3,500	3,390	4,890	7,580	23.4	36.3	64.2	up to 145	31 x 31 Ø 50	89602682	89602696	89602690
SLE G6 23mm 6000lm 940 R/C/H ADV	4,000	3,490	5,030	7,790	23.4	36.3	64.2	up to 149	31 x 31 Ø 50	89602683	89602697	89602691
SLE G6 23mm 6000lm 940 H ADV T												89602702

⁹ Tolerance range for electrical data: ±10%, tolerance range for optical data: ±10%, HE=High Efficiency, NM=Nominal, HO=High Output, Tim (T)=Thermal interface material

Module SLE

Module SLE EXCITE FOOD

Type	Colour-temperature	Typ. luminous flux ⁹⁾ Operation current (lm)			Typical power consumption Nominal Mode ⁹⁾ (W)	Size (mm)	Order No.	
		HE	NM	HO			Cable (C)	Housing (H)
Baked goods and cheese								
SLE G6 19mm 5000lm GOLD C/H EXC	Gold	2,030	4,070	5,160	37.8	Ø 50	89602804	89602795
SLE G6 19mm 5000lm GOLD+ C/H EXC	Gold+	2,960	2,860	3,680	37.8	Ø 50	89602805	89602797
SLE G6 23mm 6000lm GOLD C/H EXC	Gold	2,630	5,490	7,360	49.9	Ø 50	89602807	89602793
SLE G6 23mm 6000lm GOLD+ C/H EXC	Gold+	2,080	3,850	5,170	49.9	Ø 50	89602808	89602792
Meat products								
SLE G6 19mm 5000lm FRESH MEAT C/H EXC	Fresh Meat	1,340	2,610	3,310	37.8	Ø 50	89602785	89602786
SLE G6 19mm 5000lm MEAT+ C/H EXC	Meat+	1,430	2,770	3,520	37.8	Ø 50	89602799	89602790
SLE G6 23mm 6000lm FRESH MEAT C/H EXC	Fresh Meat	1,900	3,520	4,720	49.9	Ø 50	89602801	89602794
SLE G6 23mm 6000lm MEAT+ C/H EXC	Meat+	2,020	3,740	5,020	49.9	Ø 50	89602798	89602788
Fish products								
SLE G6 19mm 5000lm FISH C/H EXC	FISH	2,320	4,520	5,730	37.8	Ø 50	89602803	89602819
SLE G6 23mm 6000lm FISH C/H EXC	FISH	3,290	6,090	8,180	49.9	Ø 50	89602806	89602820

⁹⁾ Tolerance range for electrical data: ±10%, tolerance range for optical data: ±10%, HE=High Efficiency, NM=Nominal, HO=High Output

Module SLE EXCITE ART

Type	Colour-temperature (K)	Typ. luminous flux ⁹⁾ Operation current (lm)			Typical power consumption Nominal Mode ⁹⁾ (W)	Size (mm)	Order No.
		HE	NM	HO			
SLE G6 19mm 5000lm 930 ART H EXC	3,000	2,000	3,890	4,940	37.8	Ø 50	89602796
SLE G6 23mm 6000lm 930 ART H EXC	3,000	2,830	5,240	6,340	49.9	Ø 50	89602800

⁹⁾ Tolerance range for electrical data: ±10%, tolerance range for optical data: ±10%, HE=High Efficiency, NM=Nominal, HO=High Output

Module SLE EXCITE FASHION

Type	Colour-temperature (K)	Typical luminous flux ⁹⁾ Operation current (lm)			Typical power consumption Nominal Mode ⁹⁾ (W)	Size (mm)	Order No.		
		HE	NM	HO			Raw (R)	Cable (C)	Housing (H)
SLE G6 10mm 1200lm FASHION C EXC	3,250	940	1,260	1,700	12.7	13.5 x 13.5		89602881	
SLE G6 15mm 3000lm FASHION R/C EXC	3,250	1,430	1,980	3,280	17.3	19 x 19	89602827	89602880	
SLE G6 17mm 4000lm FASHION R/H D50 EXC	3,250	2,000	3,380	4,290	32.4	19 x 19 Ø 50	89602802		89602828
SLE G6 19mm 5000lm FASHION C/H EXC	3,250	2,090	4,070	5,160	37.8	31 x 31 Ø 50		89602851	89602784
SLE G6 23mm 6000lm FASHION H EXC	3,250	2,960	5,490	7,370	49.9	Ø 50			89602791
SLE G6 15mm 3000lm 930 Tinge R EXC	3,000	1,410	1,930	3,160	17.8	19 x 19	28001958		
SLE G6 17mm 4000lm 930 Tinge R EXC	3,000	2,010	3,350	4,220	33.5	19 x 19	28001717		

⁹⁾ Tolerance range for electrical data: ±10%, tolerance range for optical data: ±10%, HE=High Efficiency, NM=Nominal, HO=High Output

Module SLE EXCITE SUNSET

NEW	Type	Colour-temperature (K)	Typ. luminous flux ⁹⁾ Operation current (lm)		Typical power consumption (W)	Size (mm)	Order No.	
			HE	NM			Raw (R)	Housing (H)
	SLE G1 11mm 1000lm 927 SUNSET R/H EXC	1,800–2,700	1,140		13.4	19 x 19 Ø 35	89602602	89602605
	SLE G1 15mm 2000lm 927 SUNSET R/H EXC	1,800–2,700	1,700		18.1		89602603	89602606

⁹⁾ Tolerance range for electrical data: ±10%, tolerance range for optical data: ±10%,

Module SLE

Dynamic Light with Tunable White



At a glance: Engine SLE PREMIUM

- Colour temperature: 2,700 K to 6,500 K; Tunable White (dimmable and controllable colour temperatures along the planckian curve)
- Extended colour space for individual colour spectrum e.g. for lighting for food
- Colour rendering/colour tolerance: CRI > 90 / MacAdam 3
- Dimming range of 100 to 15% without changing the colour temperature
- Low-profile LED Drivers with digital interface (DALI DT8, DSI, switchDIM, colourSWITCH) and very low standby power (<0.5 W)
- Luminous flux (tp = 65 °C): 2,050 lm or 1,350 lm
- Long lifetime of 50,000 hours
- System guarantee: 5 years

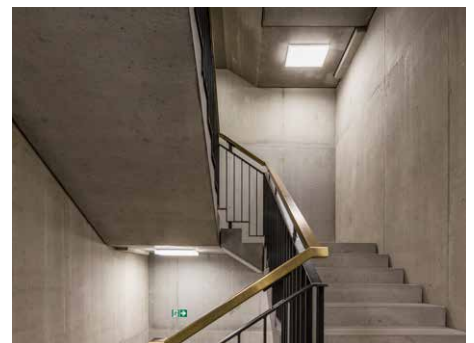


Type	System components	Colour temperature (K)	Mac Adam	Typ. luminous flux ¹⁾ (lm)	CRI	Typ. power consumption ¹⁾ (W)	System efficacy (lm/W)	Size (mm)	Order No.	
									without housing	with housing
STARK-SLE-2000-927-965-PRE-KIT	LMAI + SLE-2000	2,700 K – 6,500 Tunable White	SDCM 3	2,050	> 90	31.7	65	Ø 50	89601743	89601742
STARK-SLE-1400-927-965-PRE-KIT	LMAI + SLE-1400	2,700 K – 6,500 Tunable White	SDCM 3	1,350	> 90	22.2	61	Ø 50	89601741	89601740

¹⁾Tolerance range for electrical and optical data: ±10 %

Module QLE

A square deal – great flexibility and even greater efficiency



Product Portfolio

ESSENCE

Cost-effective

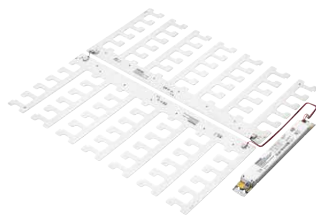
Static White in 3,000 K, 4,000 K, 5,000 K and 6,500 K with a CRI > 80



ADVANCED-SE

Best value for money

Static White in 3,000 K, 4,000 K, 5,000 K and 6,500 K with a CRI > 80



ADVANCED

Simplicity itself

Static White in 3,000 K, 4,000 K and 5,000 K with a CRI > 80



PREMIUM

Convenient

Tunable White 2,700 K – 6,500 K with a CRI > 80 or > 90



The square design is an ideal basis for equipping linear or square fixtures.

The extremely efficient generation of QLE modules achieve a luminous efficacy of up to 181lm/W. Engine QLE combines well with its linear Engine LLE sister products. It is therefore very easy to implement new design concepts. Up to six LED modules can be operated with just one LED Driver.

Module QLE

Module QLE ESSENCE

Type	Colour-temperature (K)	Typ. luminous flux ¹⁾ Operation mode (lm)			Typ. power consumption ²⁾ Operation mode (W)			Module efficacy tp = 65 °C (lm/W)	Size (mm)	Order No.
		HE	NM	HO	HE	NM	HO			
SLE G6 15mm 3000lm 830 R SNC	3,000	1,780	2,440	4,000	12.2	17.8	34.8	up to 146	19 x 19	28001684
SLE G6 15mm 3000lm 840 R SNC	4,000	1,850	2,540	4,170	12.2	17.8	34.8	up to 152	19 x 19	28001685
SLE G6 15mm 3000lm 930 R SNC	3,000	1,510	2,070	3,390	12.2	17.8	34.8	up to 124	19 x 19	28001686
SLE G6 15mm 3000lm 935 R SNC	3,500	1,570	2,150	3,530	12.2	17.8	34.8	up to 129	19 x 19	28002040
SLE G6 15mm 3000lm 940 R SNC	4,000	1,610	2,210	3,630	12.2	17.8	34.8	up to 132	19 x 19	28001687
SLE G6 17mm 4000lm 830 R SNC	3,000	2,530	4,210	5,300	17.4	33.5	46.8	up to 145	19 x 19	28001688
SLE G6 17mm 4000lm 840 R SNC	4,000	2,630	4,390	5,530	17.4	33.5	46.8	up to 151	19 x 19	28001689
SLE G6 17mm 4000lm 930 R SNC	3,000	2,140	3,570	4,490	17.4	33.5	46.8	up to 123	19 x 19	28001690
SLE G6 17mm 4000lm 935 R SNC	3,500	2,230	3,720	4,690	17.4	33.5	46.8	up to 128	19 x 19	28002041
SLE G6 17mm 4000lm 940 R SNC	4,000	2,290	3,820	4,820	17.4	33.5	46.8	up to 132	19 x 19	28001691

¹⁾Tolerance range for electrical data: ±10 %, tolerance range for optical data: ±10 %, HE=High Efficiency, NM=Nominal, HO=High Output

Module QLE ADVANCED-SE

NEU	Module	Farb-temperatur (K)	Mac Adam	Typ. Lichtstrom ¹⁾ (lm)	CRI	Typ. Leistungsaufnahme ¹⁾ (W)	Moduleffizienz ¹⁾ tp = 45°C (lm/W)	Größe (mm)	Art-Nr.
	QLE G2 520x246mm 2500lm 830 ADV-SE	3000	SDCM 3	2,200	> 80	14,4	bis zu 152	520 x 246	89602961
	QLE G2 520x246mm 2500lm 840 ADV-SE	4000	SDCM 3	2,370	> 80	14,4	bis zu 164	520 x 246	89602962
	QLE G2 520x246mm 2500lm 850 ADV-SE	5000	SDCM 3	2,370	> 80	14,4	bis zu 164	520 x 246	89602963
	QLE G2 520x246mm 2500lm 865 ADV-SE	6500	SDCM 3	2,340	> 80	14,4	bis zu 162	520 x 246	89602964
	QLE G2 380x380mm 5000lm 840 ADV-SE	3000	SDCM 3	4,600	> 80	34,1	up to 135	380 x 380	89602156
	QLE G2 380x380mm 5000lm 840 ADV-SE	4000	SDCM 3	5,020	> 80	34,1	up to 147	380 x 380	89602157

¹⁾Tolerance range for optical and electrical data: ±10 %, 1,050 mA operation

Module QLE ADVANCED

Module	Colour-temperature (K)	Mac Adam	Typical luminous flux ¹⁾ (lm)	CRI	Typ. power consumption ¹⁾ (W)	Module efficacy ¹⁾ tp = 45°C (lm/W)	Size (mm)	Order No.
QLE G3+ 250x250mm 1250lm 830 ADV	3,000	SDCM 3	1,240	> 80	7.5	up to 166	250 x 250	28001991
QLE G3+ 250x250mm 1250lm 840 ADV	4,000	SDCM 3	1,320	> 80	7.5	up to 177	250 x 250	28001992
QLE G3+ 250x250mm 1250lm 850 ADV	5,000	SDCM 3	1,320	> 80	7.5	up to 176	250 x 250	28001993
QLE G3+ 270x270mm 1250lm 830 ADV	3,000	SDCM 3	1,240	> 80	7.5	up to 166	270 x 270	28001994
QLE G3+ 270x270mm 1250lm 840 ADV	4,000	SDCM 3	1,320	> 80	7.5	up to 177	270 x 270	28001995
QLE G3+ 270x270mm 1250lm 850 ADV	5,000	SDCM 3	1,320	> 80	7.5	up to 176	270 x 270	28001996
QLE G3+ 540x270mm 2500lm 830 ADV	3,000	SDCM 3	2,480	> 80	15	up to 166	540 x 270	28001997
QLE G3+ 540x270mm 2500lm 840 ADV	4,000	SDCM 3	2,640	> 80	15	up to 177	540 x 270	28001998

¹⁾Tolerance range for optical and electrical data: ±10 %, NM 250 mA (250 mm, 270 mm) and 500 mA (540 mm)

Module QLE Shallow ADVANCED

Module	Colour-temperature (K)	Mac Adam	Typical luminous flux ¹⁾ (lm)	CRI	Typ. power consumption ¹⁾ (W)	Module efficacy ¹⁾ tp = 45°C (lm/W)	Size (mm)	Order No.
QLE Shallow G1 255x255mm 1950lm 830 ADV	3,000	SDCM 3	1,870	> 80	11	up to 170	255 x 255	89602493
QLE Shallow G1 255x255mm 1950lm 840 ADV	4,000	SDCM 3	1,940	> 80	11	up to 176	255 x 255	89602494

¹⁾Tolerance range for optical and electrical data: ±10 %, 400 mA operation

Module QLE

Engine, Module QLE Premium CRI > 80

Typ	Colour-temperature (K)	Typ. luminous flux ¹⁾ (lm)	CRI	Mac Adam	Typ. power consumption ¹⁾ (W)	System efficacy (lm/W)	Size per module (mm)	Order No.
TW QLE G1 270mm 4x1250lm 830-860 PRE KIT (1 LED Driver + 4 LED Module à 1,250lm)	3,000–6,000 Tunable White	5,120	> 80	SDCM 3	38.7	up to 132	270 x 270	89600647
TW QLE G1 270mm 5x1250lm 830-860 PRE KIT (1 LED Driver + 5 LED Module à 1,250 lm)	3,000–6,000 Tunable White	6,400	> 80	SDCM 3	48.5	up to 132	270 x 270	89602481
TW QLE G1 270mm 6x1250lm 830-860 PRE KIT (1 LED Driver + 6 LED Module à 1,250 lm)	3,000–6,000 Tunable White	7,680	> 80	SDCM 3	57.8	up to 133	270 x 270	89602482

¹⁾Tolerance range for optical data: ±5 %, Tolerance range for electrical data: ±15 %, tp = 45 °C

Typ	Colour-temperature (K)	Typ. luminous flux ¹⁾ (lm)	CRI	Mac Adam	Size per module (mm)	Order No.
TW QLE G1 270mm 1250lm 827-865 PRE (LED Modul)	2,700	1,290	> 80	SDCM 3	270 x 270	89600648
	6,500	1,430	> 80	SDCM 3	270 x 270	

¹⁾Tolerance range for optical data: ±5 %, Tolerance range for electrical data: ±15 %, tp = 45 °C

Engine, Module QLE Premium CRI > 90

Typ	Colour-temperature (K)	Typ. luminous flux ¹⁾ (lm)	CRI	Mac Adam	Typ. power consumption ¹⁾ (W)	System efficacy (lm/W)	Size per module (mm)	Order No.
QLE 270mm 4x1250lm 930-960 PRE KIT (1 LED Driver + 4 LED Module à 1,250lm)	3,000–6,000 Tunable White	5,160	> 90	SDCM 3	39	up to 133	270 x 270	89602741
QLE 270mm 5x1250lm 930-960 PRE KIT (1 LED Driver + 5 LED Module à 1,250lm)	3,000–6,000 Tunable White	6,450	> 90	SDCM 3	49	up to 133	270 x 270	89602742
QLE 270mm 6x1250lm 930-960 PRE KIT (1 LED Driver + 6 LED Module à 1,250lm)	3,000–6,000 Tunable White	7,740	> 90	SDCM 3	58	up to 134	270 x 270	89602743

¹⁾Tolerance range for optical data: ±5 %, Tolerance range for electrical data: ±15 %, tp = 45 °C

Typ	Colour-temperature (K)	Typ. luminous flux ¹⁾ (lm)	CRI	Mac Adam	Size per module (mm)	Order No.
QLE 270mm 1250lm 927-965 PRE (LED Modul)	2,700	1,240	> 90	SDCM 3	270 x 270	89602740
	6,500	1,350	> 90	SDCM 3	270 x 270	

¹⁾Tolerance range for optical data: ±5 %, Tolerance range for electrical data: ±15 %, tp = 45 °C

Matching Driver (in each KIT included)

Driver LCAI 75W 250mA TW Ip



Size: 360 x 30 x 21 mm
4–6 QLE Module à 1.250 lm

Module QLE

Engine, Module QLE PREMIUM CRI > 90

NEW	Typ	Colour-temperature (K)	Typ. luminous flux ¹⁾ (lm)	CRI	Mac Adam	Typ. power consumption ¹⁾ (W)	System efficacy (lm/W)	Size per module (mm)	Order No.
	QLE G2 270x270mm 2x1250lm 927-965 LV PRE (1 LED Driver 50 W + 2 LED module à 1,250lm)	2,700 – 6,500 Tunable White	2,500	> 90	SDCM 3	19.8	up to 126	270 x 270	89602940
	QLE G2 270x270mm 3x1250lm 927-965 LV PRE (1 LED Driver 50 W + 3 LED module à 1,250lm)	2,700 – 6,500 Tunable White	3,750	> 90	SDCM 3	28.4	up to 132	270 x 270	89602941
	QLE G2 270x270mm 4x1250lm 927-965 LV PRE (1 LED Driver 50 W + 4 LED module à 1,250lm)	2,700 – 6,500 Tunable White	5,000	> 90	SDCM 3	36.9	up to 135	270 x 270	89602942
	QLE G2 270x270mm 5x1250lm 927-965 LV PRE (1 LED Driver 100 W + 5 LED module à 1,250lm)	2,700 – 6,500 Tunable White	6,250	> 90	SDCM 3	46.5	up to 134	270 x 270	89602943
	QLE G2 270x270mm 6x1250lm 927-965 LV PRE (1 LED Driver 100 W + 6 LED module à 1,250lm)	2,700 – 6,500 Tunable White	7,500	> 90	SDCM 3	55.1	up to 136	270 x 270	89602944

¹⁾Tolerance range for optical data: ±5 %, Tolerance range for electrical data: ±15 %, tp = 45 °C

NEW	Typ	Colour-temperature (K)	Typ. luminous flux ¹⁾ (lm)	CRI	Mac Adam	Typ. power consumption ¹⁾ (W)	Module efficacy ¹⁾ (lm/W)	Size per module (mm)	Order No.
	TW QLE G2 270x270mm 1250lm 927-965 PRE (LED module)	2,700	1,250	> 90	SDCM 3	8.1	154	270 x 270	89602924
		6,500	1,360	> 90	SDCM 3	8.1	167	270 x 270	

¹⁾Tolerance range for optical data: ±5 %, Tolerance range for electrical data: ±15 %, tp = 45 °C

Matching Driver (in each KIT included)

Driver LCA 50W 350–1050mA DT8 Ip PRE

Driver LCA 100W 350–1050mA 2xDT8 Ip PRE



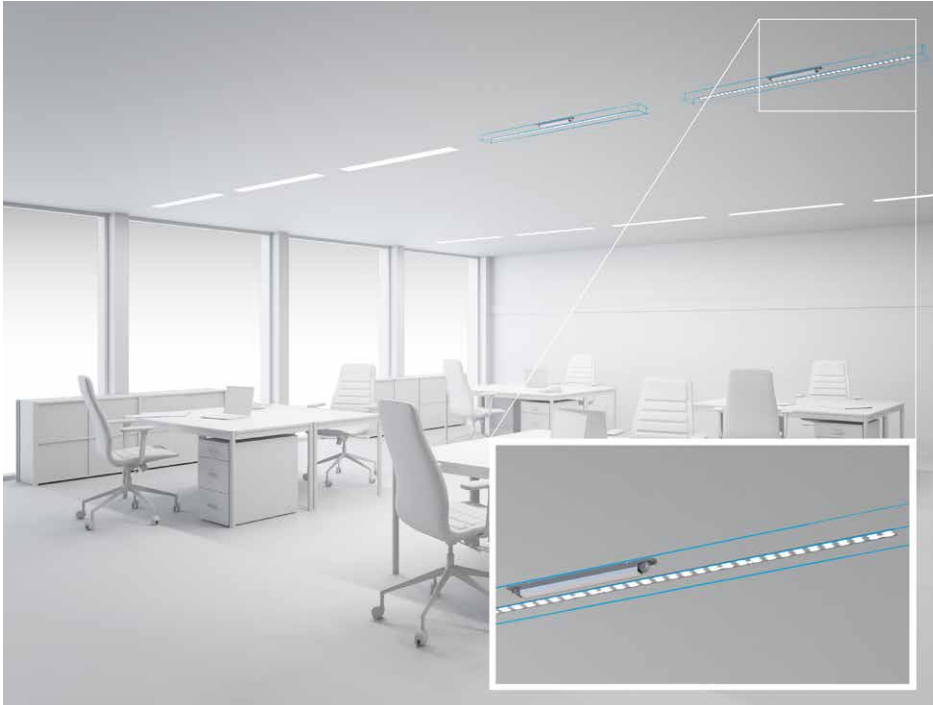
Size: 360 x 30 x 21 mm
2–4 QLE Module à 1.250 lm



Size: 360 x 40 x 21 mm
5–6 LLE Module à 1.200 lm

Module LLE

Efficient. Flexible. Linear.



Product Portfolio – Overview

ESSENCE

Cost-effective

Static White in 3,000K, 4,000 K and 6,500 K with a CRI > 80. Also available with integrated electronic



ADVANCED

Simplicity itself

Static White in 2,700 K, 3,000 K, 3,500 K, 4,000 K, 5,000 K, 6,500 K with a CRI > 80



EXCITE

Flexible

Static White in 3,000 K and 4,000 K with a CRI > 90



PREMIUM

Convenient

Tunable White 2,700 K – 6,500 K with a CRI > 80 or > 90



As a LED system with a broad product range the linear engine LLE covers all the usual requirements in terms of lumen packages, colour temperatures and lengths. Even if several modules are placed next to one another the surface remains perfectly homogeneous.

For each module there is obviously the appropriate LED Driver, both fixed output and digital dimmable.



Module LLE

Module LLE ESSENCE

Type	Colour-temperature (K)	Mac Adam	Typ. luminous flux ¹⁾ (lm)	CRI	Typ. power draw ¹⁾ (W)	Module efficacy ²⁾ tp = 65°C (lm/W)	Size (mm)	Order No.
Module LLE 24 ESSENCE, 2 Terminal								
LLE G2 24x280mm 775lm 830 2T SNC	3,000	SDCM 4	740	> 80	5.3	up to 139	24 x 280	28002000
LLE G2 24x280mm 775lm 840 2T SNC	4,000	SDCM 4	800	> 80	5.3	up to 149	24 x 280	28002001
LLE G2 24x280mm 775lm 865 2T SNC	6,500	SDCM 4	780	> 80	5.3	up to 146	24 x 280	28002002
LLE G2 24x280mm 1250lm 830 2T SNC	3,000	SDCM 4	1,140	> 80	8.5	up to 135	24 x 280	28002006
LLE G2 24x280mm 1250lm 840 2T SNC	4,000	SDCM 4	1,230	> 80	8.5	up to 145	24 x 280	28002007
LLE G2 24x280mm 1250lm 865 2T SNC	6,500	SDCM 4	1,200	> 80	8.5	up to 142	24 x 280	28002008
LLE G2 24x560mm 1550lm 830 2T SNC	3,000	SDCM 4	1,490	> 80	10.7	up to 139	24 x 560	28002003
LLE G2 24x560mm 1550lm 840 2T SNC	4,000	SDCM 4	1,590	> 80	10.7	up to 149	24 x 560	28002004
LLE G2 24x560mm 1550lm 865 2T SNC	6,500	SDCM 4	1,560	> 80	10.7	up to 146	24 x 560	28002005
LLE G2 24x560mm 2400lm 830 2T SNC	3,000	SDCM 4	2,280	> 80	16.9	up to 135	24 x 560	28002009
LLE G2 24x560mm 2400lm 840 2T SNC	4,000	SDCM 4	2,450	> 80	16.9	up to 145	24 x 560	28002010
LLE G2 24x560mm 2400lm 865 2T SNC	6,500	SDCM 4	2,400	> 80	16.9	up to 142	24 x 560	28002011
Module LLE 24 ESSENCE, 4 Terminal, SELV								
LLE G2 24x280mm 775lm 830 4T SNC	3,000	SDCM 4	740	> 80	5.3	up to 139	24 x 280	28002012
LLE G2 24x280mm 775lm 840 4T SNC	4,000	SDCM 4	800	> 80	5.3	up to 149	24 x 280	28002013
LLE G2 24x280mm 775lm 865 4T SNC	6,500	SDCM 4	780	> 80	5.3	up to 146	24 x 280	28002014
LLE G2 24x280mm 1250lm 830 4T SNC	3,000	SDCM 4	1,140	> 80	8.5	up to 135	24 x 280	28002018
LLE G2 24x280mm 1250lm 840 4T SNC	4,000	SDCM 4	1,230	> 80	8.5	up to 145	24 x 280	28002019
LLE G2 24x280mm 1250lm 865 4T SNC	6,500	SDCM 4	1,200	> 80	8.5	up to 142	24 x 280	28002020
LLE G2 24x560mm 1550lm 830 4T SNC	3,000	SDCM 4	1,490	> 80	10.7	up to 139	24 x 560	28002015
LLE G2 24x560mm 1550lm 840 4T SNC	4,000	SDCM 4	1,590	> 80	10.7	up to 149	24 x 560	28002016
LLE G2 24x560mm 1550lm 865 4T SNC	6,500	SDCM 4	1,560	> 80	10.7	up to 146	24 x 560	28002017
LLE G2 24x560mm 2400lm 830 4T SNC	3,000	SDCM 4	2,280	> 80	16.9	up to 135	24 x 560	28002021
LLE G2 24x560mm 2400lm 840 4T SNC	4,000	SDCM 4	2,450	> 80	16.9	up to 145	24 x 560	28002022
LLE G2 24x560mm 2400lm 865 4T SNC	6,500	SDCM 4	2,400	> 80	16.9	up to 142	24 x 560	28002023

¹⁾@lf=300mA, Tc=65°C @775/1550lm/ft modules; @lf=350mA, Tc=65°C @1250/2400lm/ft modules; Tolerance range for optical and electrical data ±10 %;

Module LLE AC ESSENCE

NEW	Type	Colour-temperature (K)	Typ. luminous flux ¹⁾ (lm)		CRI	Typ. power draw ¹⁾ (W)		Module efficacy ²⁾ tp = 75°C (lm/W)	Size (mm)	Order No.
			HE	HO		HE	HO			
	LLE AC G1 24x560mm 2400lm 830 SNC	3,000	1,230	2,300	> 80	10.4	21.5	up to 118	24 x 560	87500608
	LLE AC G1 24x560mm 2400lm 840 SNC	4,000	1,320	2,460	> 80	10.4	21.5	up to 126	24 x 560	87500609
	LLE AC G1 24x560mm 2400lm 865 SNC	6,500	1,300	2,420	> 80	10.4	21.5	up to 124	24 x 560	87500610
	LLE AC G1 24x1150mm 4800lm 830 SNC	3,000	2,860	4,540	> 80	23.8	41.5	up to 119	24 x 1,150	87500611
	LLE AC G1 24x1150mm 4800lm 840 SNC	4,000	3,050	4,850	> 80	23.8	41.5	up to 118	24 x 1,150	87500612
	LLE AC G1 24x1150mm 4800lm 865 SNC	6,500	3,000	4,770	> 80	23.8	41.5	up to 126	24 x 1,150	87500613
	LLE AC G1 24x1150mm 6000lm 830 SNC	3,000	3,650	5,740	> 80	27.2	47.6	up to 133	24 x 1,150	87500693
	LLE AC G1 24x1150mm 6000lm 840 SNC	4,000	3,940	6,190	> 80	27.2	47.6	up to 144	24 x 1,150	87500694
	LLE AC G1 24x1150mm 6000lm 865 SNC	6,500	3,830	6,030	> 80	27.2	47.6	up to 140	24 x 1,150	87500695
	LLE AC G1 24x1450mm 6200lm 830 SNC	3,000	3,760	5,840	> 80	30.3	51.8	up to 123	24 x 1,450	87500614
	LLE AC G1 24x1450mm 6200lm 840 SNC	4,000	4,020	6,240	> 80	30.3	51.8	up to 131	24 x 1,450	87500615
	LLE AC G1 24x1450mm 6200lm 865 SNC	6,500	3,950	6,140	> 80	30.3	51.8	up to 129	24 x 1,450	89602115
	LLE AC G1 24x1450mm 7500lm 830 SNC	3,000	4,780	7,050	> 80	34.2	54.0	up to 138	24 x 1,450	87500696
	LLE AC G1 24x1450mm 7500lm 840 SNC	4,000	5,160	7,680	> 80	34.2	54.0	up to 150	24 x 1,450	87500697
	LLE AC G1 24x1450mm 7500lm 865 SNC	6,500	5,030	7,500	> 80	34.2	54.0	up to 146	24 x 1,450	87500698

¹⁾Tolerance range for optical and electrical data ±10 %, HE=High Efficiency, HO= High Output

Module LLE

Module LLE ADVANCED

NEW	Type	Colour-temperature (K)	Mac Adam	Typ. luminous flux ¹⁾ (lm)	CRI	Typ. power draw ²⁾ (W)	Module efficacy ³⁾ tp = 65°C (lm/W)	Size (mm)	Order No.
Module LLE 24 ADVANCED, 650 lm/ft, 2 Terminal									
	LLE G4 24x70mm 160lm 830 ADV QTY4	3,000	SDCM 3	150	> 80	0.9	up to 161	24 x 70	89602980
	LLE G4 24x70mm 160lm 840 ADV QTY4	4,000	SDCM 3	155	> 80	0.9	up to 169	24 x 70	89602981
	LLE G4 24x140mm 325lm 830 2T ADV	3,000	SDCM 3	300	> 80	1.9	up to 162	24 x 140	28001466
	LLE G4 24x140mm 325lm 840 2T ADV	4,000	SDCM 3	310	> 80	1.9	up to 170	24 x 140	28001467
	LLE G4 24x140mm 325lm 850 2T ADV	5,000	SDCM 3	320	> 80	1.9	up to 172	24 x 140	28001468
	LLE G4 24x280mm 650lm 830 2T ADV	3,000	SDCM 3	600	> 80	3.7	up to 162	24 x 280	28001471
	LLE G4 24x280mm 650lm 840 2T ADV	4,000	SDCM 3	630	> 80	3.7	up to 170	24 x 280	28001472
	LLE G4 24x280mm 650lm 850 2T ADV	5,000	SDCM 3	630	> 80	3.7	up to 172	24 x 280	28001473
	LLE G4 24x560mm 1300lm 830 2T ADV	3,000	SDCM 3	1,190	> 80	7.4	up to 162	24 x 560	28001476
	LLE G4 24x560mm 1300lm 840 2T ADV	4,000	SDCM 3	1,250	> 80	7.4	up to 170	24 x 560	28001477
	LLE G4 24x560mm 1300lm 850 2T ADV	5,000	SDCM 3	1,260	> 80	7.4	up to 172	24 x 560	28001478
	LLE G4 24x1120mm 2600lm 830 ADV	3,000	SDCM 3	2,380	> 80	14.8	up to 165	24 x 1,120	89602968
	LLE G4 24x1120mm 2600lm 840 ADV	4,000	SDCM 3	2,500	> 80	14.8	up to 173	24 x 1,120	89602969
	LLE G4 24x1400mm 3250lm 830 ADV	3,000	SDCM 3	2,980	> 80	18.5	up to 165	24 x 1,400	89602970
	LLE G4 24x1400mm 3250lm 840 ADV	4,000	SDCM 3	3,120	> 80	18.5	up to 173	24 x 1,400	89602971
Module LLE 24 ADVANCED, 1250 lm/ft, 2 Terminal									
	LLE G4 24x70mm 325lm 830 ADV QTY4	3,000	SDCM 3	300	> 80	1.9	up to 161	24 x 140	89602982
	LLE G4 24x70mm 325lm 840 ADV QTY4	4,000	SDCM 3	310	> 80	1.9	up to 169	24 x 140	89602983
	LLE G4 24x140mm 650lm 830 2T ADV	3,000	SDCM 3	600	> 80	3.7	up to 162	24 x 140	28001481
	LLE G4 24x140mm 650lm 840 2T ADV	4,000	SDCM 3	630	> 80	3.7	up to 170	24 x 140	28001482
	LLE G4 24x140mm 650lm 850 2T ADV	5,000	SDCM 3	630	> 80	3.7	up to 172	24 x 140	28001483
	LLE G4 24x280mm 1250lm 830 2T ADV	3,000	SDCM 3	1,190	> 80	7.4	up to 162	24 x 280	28001486
	LLE G4 24x280mm 1250lm 840 2T ADV	4,000	SDCM 3	1,250	> 80	7.4	up to 170	24 x 280	28001487
	LLE G4 24x280mm 1250lm 850 2T ADV	5,000	SDCM 3	1,260	> 80	7.4	up to 172	24 x 280	28001488
	LLE G4 24x560mm 2400lm 830 2T ADV	3,000	SDCM 3	2,380	> 80	14.7	up to 162	24 x 560	28001491
	LLE G4 24x560mm 2400lm 840 2T ADV	4,000	SDCM 3	2,500	> 80	14.7	up to 170	24 x 560	28001492
	LLE G4 24x560mm 2400lm 850 2T ADV	5,000	SDCM 3	2,530	> 80	14.7	up to 172	24 x 560	28001493
	LLE G4 24x1120mm 4800lm 830 ADV	3,000	SDCM 3	4,760	> 80	29.6	up to 161	24 x 1,120	89602972
	LLE G4 24x1120mm 4800lm 840 ADV	4,000	SDCM 3	4,990	> 80	29.6	up to 169	24 x 1,120	89602973
	LLE G4 24x1400mm 6000lm 830 ADV	3,000	SDCM 3	5,960	> 80	36.9	up to 161	24 x 1,400	89602974
	LLE G4 24x1400mm 6000lm 840 ADV	4,000	SDCM 3	6,240	> 80	36.9	up to 169	24 x 1,400	89602975
Module LLE 24 ADVANCED 2000 lm									
	LLE G4 24x280mm 2000lm 830 2T ADV	3,000	SDCM 3	1,910	> 80	12.0	up to 159	24 x 280	28001496
	LLE G4 24x280mm 2000lm 840 2T ADV	4,000	SDCM 3	2,000	> 80	12.0	up to 167	24 x 280	28001497
	LLE G4 24x280mm 2000lm 850 2T ADV	5,000	SDCM 3	2,020	> 80	12.0	up to 169	24 x 280	28001498
	LLE G4 24x280mm 2000lm 865 2T ADV	6,500	SDCM 3	2,000	> 80	12.0	up to 167	24 x 280	28001499
	LLE G4 24x1120mm 8000lm 840 ADV	4,000	SDCM 3	8,030	> 80	48.0	up to 167	24 x 1,120	89602977
	LLE G4 24x1400mm 10000lm 840 ADV	4,000	SDCM 3	10,030	> 80	60.0	up to 167	24 x 1,400	89602979
Module LLE 24 ADVANCED 4000 lm									
	LLE G4 24x560mm 4000lm 830 2T ADV	3,000	SDCM 3	3,810	> 80	23.9	up to 159	24 x 560	28001501
	LLE G4 24x560mm 4000lm 840 2T ADV	4,000	SDCM 3	4,000	> 80	23.9	up to 167	24 x 560	28001502
	LLE G4 24x560mm 4000lm 850 2T ADV	5,000	SDCM 3	4,040	> 80	23.9	up to 169	24 x 560	28001503
	LLE G4 24x560mm 4000lm 865 2T ADV	6,500	SDCM 3	4,000	> 80	23.9	up to 167	24 x 560	28001504
Module LLE 24 ADVANCED, 650 lm/ft, 4 Terminal, SELV									
	LLE G4 24x280mm 650lm 827 4T ADV	2,700	SDCM 3	560	> 80	3.7	up to 153	24 x 280	28001506
	LLE G4 24x280mm 650lm 830 4T ADV	3,000	SDCM 3	600	> 80	3.7	up to 163	24 x 280	28001507
	LLE G4 24x280mm 650lm 835 4T ADV	3,500	SDCM 3	600	> 80	3.7	up to 165	24 x 280	28001966
	LLE G4 24x280mm 650lm 840 4T ADV	4,000	SDCM 3	630	> 80	3.7	up to 170	24 x 280	28001508
	LLE G4 24x280mm 650lm 850 4T ADV	5,000	SDCM 3	630	> 80	3.7	up to 172	24 x 280	28001509



Module LLE

LLE G4 24x280mm 650lm 865 4T ADV	6,500	SDCM 3	630	> 80	3.7	up to 170	24 x 280	28001710
LLE G4 24x560mm 1300lm 827 4T ADV	2,700	SDCM 3	1,130	> 80	7.4	up to 153	24 x 560	28001510
LLE G4 24x560mm 1300lm 830 4T ADV	3,000	SDCM 3	1,190	> 80	7.4	up to 162	24 x 560	28001511
LLE G4 24x560mm 1300lm 835 4T ADV	3,500	SDCM 3	1,200	> 80	7.4	up to 163	24 x 560	28001967
LLE G4 24x560mm 1300lm 840 4T ADV	4,000	SDCM 3	1,250	> 80	7.4	up to 170	24 x 560	28001512
LLE G4 24x560mm 1300lm 850 4T ADV	5,000	SDCM 3	1,260	> 80	7.4	up to 172	24 x 560	28001513
LLE G4 24x560mm 1300lm 865 4T ADV	6,500	SDCM 3	1,250	> 80	7.4	up to 170	24 x 560	28001711

Module LLE 24 ADVANCED, 1250 lm/ft, 4 Terminal, SELV

LLE G4 24x280mm 1250lm 827 4T ADV	2,700	SDCM 3	1,130	> 80	7.4	up to 153	24 x 280	28001515
LLE G4 24x280mm 1250lm 830 4T ADV	3,000	SDCM 3	1,190	> 80	7.4	up to 162	24 x 280	28001516
LLE G4 24x280mm 1250lm 835 4T ADV	3,500	SDCM 3	1,200	> 80	7.4	up to 163	24 x 280	28001969
LLE G4 24x280mm 1250lm 840 4T ADV	4,000	SDCM 3	1,250	> 80	7.4	up to 170	24 x 280	28001517
LLE G4 24x280mm 1250lm 850 4T ADV	5,000	SDCM 3	1,260	> 80	7.4	up to 172	24 x 280	28001518
LLE G4 24x280mm 1250lm 865 4T ADV	6,500	SDCM 3	1,250	> 80	7.4	up to 170	24 x 280	28001712
LLE G4 24x560mm 2400lm 827 4T ADV	2,700	SDCM 3	2,250	> 80	14.7	up to 153	24 x 560	28001519
LLE G4 24x560mm 2400lm 830 4T ADV	3,000	SDCM 3	2,380	> 80	14.7	up to 162	24 x 560	28001520
LLE G4 24x560mm 2400lm 835 4T ADV	3,500	SDCM 3	2,400	> 80	14.7	up to 163	24 x 560	28001970
LLE G4 24x560mm 2400lm 840 4T ADV	4,000	SDCM 3	2,500	> 80	14.7	up to 170	24 x 560	28001521
LLE G4 24x560mm 2400lm 850 4T ADV	5,000	SDCM 3	2,530	> 80	14.7	up to 172	24 x 560	28001522

Module LLE 16 ADVANCED, 650 lm/ft, 2 Terminal

LLE G4 16x140mm 325lm 827 2T ADV	2,700	SDCM 3	300	> 80	1.9	up to 159	16 x 140	28001718
LLE G4 16x140mm 325lm 830 2T ADV	3,000	SDCM 3	320	> 80	1.9	up to 169	16 x 140	28001719
LLE G4 16x140mm 325lm 840 2T ADV	4,000	SDCM 3	330	> 80	1.9	up to 176	16 x 140	28001720
LLE G4 16x140mm 325lm 850 2T ADV	5,000	SDCM 3	340	> 80	1.9	up to 179	16 x 140	28001721
LLE G4 16x140mm 325lm 865 2T ADV	6,500	SDCM 3	330	> 80	1.9	up to 176	16 x 140	28001722
LLE G4 16x280mm 650lm 827 2T ADV	2,700	SDCM 3	600	> 80	3.8	up to 159	16 x 280	28001723
LLE G4 16x280mm 650lm 830 2T ADV	3,000	SDCM 3	630	> 80	3.8	up to 169	16 x 280	28001724
LLE G4 16x280mm 650lm 840 2T ADV	4,000	SDCM 3	660	> 80	3.8	up to 176	16 x 280	28001725
LLE G4 16x280mm 650lm 850 2T ADV	5,000	SDCM 3	670	> 80	3.8	up to 179	16 x 280	28001726
LLE G4 16x280mm 650lm 865 2T ADV	6,500	SDCM 3	660	> 80	3.8	up to 176	16 x 280	28001727
LLE G4 16x560mm 1300lm 827 2T ADV	2,700	SDCM 3	1,200	> 80	7.5	up to 159	16 x 560	28001728
LLE G4 16x560mm 1300lm 830 2T ADV	3,000	SDCM 3	1,270	> 80	7.5	up to 169	16 x 560	28001729
LLE G4 16x560mm 1300lm 840 2T ADV	4,000	SDCM 3	1,320	> 80	7.5	up to 176	16 x 560	28001730
LLE G4 16x560mm 1300lm 850 2T ADV	5,000	SDCM 3	1,340	> 80	7.5	up to 179	16 x 560	28001731
LLE G4 16x560mm 1300lm 865 2T ADV	6,500	SDCM 3	1,320	> 80	7.5	up to 176	16 x 560	28001732

Module LLE 16 ADVANCED, 1250 lm/ft, 2 Terminal

LLE G4 16x140mm 650lm 827 2T ADV	2,700	SDCM 3	530	> 80	3.4	up to 155	16 x 140	28001733
LLE G4 16x140mm 650lm 830 2T ADV	3,000	SDCM 3	550	> 80	3.4	up to 164	16 x 140	28001734
LLE G4 16x140mm 650lm 840 2T ADV	4,000	SDCM 3	580	> 80	3.4	up to 171	16 x 140	28001735
LLE G4 16x140mm 650lm 850 2T ADV	5,000	SDCM 3	590	> 80	3.4	up to 174	16 x 140	28001736
LLE G4 16x140mm 650lm 865 2T ADV	6,500	SDCM 3	580	> 80	3.4	up to 171	16 x 140	28001737
LLE G4 16x280mm 1250lm 827 2T ADV	2,700	SDCM 3	1,050	> 80	6.8	up to 155	16 x 280	28001738
LLE G4 16x280mm 1250lm 830 2T ADV	3,000	SDCM 3	1,110	> 80	6.8	up to 164	16 x 280	28001739
LLE G4 16x280mm 1250lm 840 2T ADV	4,000	SDCM 3	1,160	> 80	6.8	up to 171	16 x 280	28001740
LLE G4 16x280mm 1250lm 850 2T ADV	5,000	SDCM 3	1,180	> 80	6.8	up to 174	16 x 280	28001741
LLE G4 16x280mm 1250lm 865 2T ADV	6,500	SDCM 3	1,160	> 80	6.8	up to 171	16 x 280	28001742
LLE G4 16x560mm 2400lm 827 2T ADV	2,700	SDCM 3	2,100	> 80	13.5	up to 155	16 x 560	28001743
LLE G4 16x560mm 2400lm 830 2T ADV	3,000	SDCM 3	2,220	> 80	13.5	up to 164	16 x 560	28001744
LLE G4 16x560mm 2400lm 840 2T ADV	4,000	SDCM 3	2,320	> 80	13.5	up to 171	16 x 560	28001745
LLE G4 16x560mm 2400lm 850 2T ADV	5,000	SDCM 3	2,360	> 80	13.5	up to 174	16 x 560	28001746
LLE G4 16x560mm 2400lm 865 2T ADV	6,500	SDCM 3	2,320	> 80	13.5	up to 171	16 x 560	28001747

*Tolerance range for optical and electrical data $\pm 10\%$;

Module LLE

Module LLE 55 ADVANCED, 2000 lm/ft

Type	Colour-temperature (K)	Mac Adam	Typ. luminous flux ¹⁾ (lm)	CRI	Typ. power draw ¹⁾ (W)	Module efficacy ²⁾ tp = 65°C (lm/W)	Size (mm)	Order No.
LLE G2 55x280mm 2000lm 830 ADV	3,000	SDCM 3	1,960	> 80	11.0	up to 154	55 x 280	28001749
LLE G2 55x280mm 2000lm 840 ADV	4,000	SDCM 3	2,060	> 80	11.0	up to 162	55 x 280	28001750
LLE G2 55x280mm 2000lm 850 ADV	5,000	SDCM 3	2,080	> 80	11.0	up to 164	55 x 280	28001751
LLE G2 55x280mm 2000lm 865 ADV	6,500	SDCM 3	2,060	> 80	11.0	up to 162	55 x 280	28001752

Module LLE 55 ADVANCED, 4000 lm/ft, 2 Terminal

Type	Colour-temperature (K)	Mac Adam	Typ. luminous flux ¹⁾ (lm)	CRI	Typ. power draw ¹⁾ (W)	Module efficacy ²⁾ tp = 65°C (lm/W)	Size (mm)	Order No.
LLE G2 55x566mm 4000lm 830 T2 ADV	3,000	SDCM 3	3,920	> 80	21.9	up to 160	55 x 566	28001754
LLE G2 55x566mm 4000lm 840 T2 ADV	4,000	SDCM 3	4,110	> 80	21.9	up to 167	55 x 566	28001755
LLE G2 55x566mm 4000lm 850 T2 ADV	5,000	SDCM 3	4,160	> 80	21.9	up to 170	55 x 566	28001756
LLE G2 55x566mm 4000lm 865 T2 ADV	6,500	SDCM 3	4,120	> 80	21.9	up to 167	55 x 566	28001757

¹⁾Tolerance range for optical and electrical data ±10%;

Type	Colour-temperature (K)	Mac Adam	Typ. luminous flux ¹⁾ (lm)	CRI	Typ. power draw ¹⁾ (W)	Module efficacy ²⁾ tp = 65°C (lm/W)	Size (mm)	Order No.
LLE G3 24-140-650-930-SEL	3,000	SDCM 3	620	> 90	5.2	up to 118	24 x 140	28001031
LLE G3 24-140-650-940-SEL	4,000	SDCM 3	650	> 90	5.2	up to 124	24 x 140	28001032
LLE G3 24-280-1250-930-SEL	3,000	SDCM 3	1,130	> 90	9.6	up to 118	24 x 280	28000352
LLE G3 24-280-1250-940-SEL	4,000	SDCM 3	1,190	> 90	9.6	up to 124	24 x 280	28000353

¹⁾Tolerance range for optical and electrical data ±10%, operating mode at 350 mA

Engine LLE Premium CRI > 80 (calibrated kit)

Type	Colour-temperature (K)	Typ. luminous flux ¹⁾ (lm)	CRI	Mac Adam	Typ. power draw ¹⁾ (W)	System efficacy (lm/W)	Size per module (mm)	Order No.
STARK LLE 3x24-280-700-830-860-PRE-KIT (1 LED-Driver 38W + 3 LED-Module)	3,000-6,000 Tunable White	2,000	> 80	SDCM 3	20	up to 90	24 x 280	89601896
STARK LLE 4x24-280-700-830-860-PRE-KIT (1 LED-Driver 38W + 4 LED-Module)	3,000-6,000 Tunable White	2,650	> 80	SDCM 3	26	up to 92	24 x 280	89601897
STARK LLE 5x24-280-700-830-860-PRE-KIT (1 LED-Driver 38W + 5 LED-Module)	3,000-6,000 Tunable White	3,350	> 80	SDCM 3	32	up to 95	24 x 280	89601898
STARK LLE 3x24-280-1500-830-860-PRE-KIT (1 LED-Driver 75W + 3 LED-Module)	3,000-6,000 Tunable White	4,300	> 80	SDCM 3	40	up to 101	24 x 280	89601899
STARK LLE 4x24-280-1500-830-860-PRE-KIT (1 LED-Driver 75W + 4 LED-Module)	3,000-6,000 Tunable White	5,700	> 80	SDCM 3	52	up to 103	24 x 280	89601900
STARK LLE 5x24-280-1500-830-860-PRE-KIT (1 LED-Driver 75W + 5 LED-Module)	3,000-6,000 Tunable White	7,150	> 80	SDCM 3	63	up to 106	24 x 280	89601901

¹⁾Tolerance range for optical data: ±5% and tolerance range for electrical data: ±15%.

Type	Colour-temperature (K)	Typ. luminous flux ¹⁾ (lm)	CRI	Mac Adam	Size (mm)	Order No.
TW LLE G1 24x280mm 700lm 827-865 PRE (LED Module)	2,700	645	> 80	SDCM 3	280 x 24	89602390
	6,500	715	> 80	SDCM 3	280 x 24	
TW LLE G1 24x280mm 1500lm 827-865 PRE (LED Module)	2,700	1,290	> 80	SDCM 3	280 x 24	89602391
	6,500	1,430	> 80	SDCM 3	280 x 24	

¹⁾Tolerance range for optical data: ±5% and tolerance range for electrical data: ±15%.



Module LLE

Engine LLE Premium CRI > 90 (calibrated kit)

Type	Colour-temperature (K)	Typ. luminous flux ⁹⁾ (lm)	CRI	Mac Adam	Typ. power draw ⁹⁾ (W)	System efficacy (lm/W)	Size per module (mm)	Order No.
LLE 24x280mm 3x700lm 930-960 PRE KIT (1 LED-Driver 38 W + 3 LED-Module)	3,000–6,000 Tunable White	2,000	> 90	SDCM 3	20	up to 100	24 x 280	89602734
LLE 24x280mm 4x700lm 930-960 PRE KIT (1 LED-Driver 38 W + 4 LED-Module)	3,000–6,000 Tunable White	2,650	> 90	SDCM 3	26	up to 102	24 x 280	89602735
LLE 24x280mm 5x700lm 930-960 PRE KIT (1 LED-Driver 38 W + 5 LED-Module)	3,000–6,000 Tunable White	3,350	> 90	SDCM 3	32	up to 105	24 x 280	89602736
LLE 24x280mm 3x1500lm 930-960 PRE KIT (1 LED-Driver 75 W + 3 LED-Module)	3,000–6,000 Tunable White	4,020	> 90	SDCM 3	40	up to 98	24 x 280	89602737
LLE 24x280mm 4x1500lm 930-960 PRE KIT (1 LED-Driver 75 W + 4 LED-Module)	3,000–6,000 Tunable White	5,360	> 90	SDCM 3	52	up to 101	24 x 280	89602738
LLE 24x280mm 5x1500lm 930-960 PRE KIT (1 LED-Driver 75 W + 5 LED-Module)	3,000–6,000 Tunable White	6,700	> 90	SDCM 3	63	up to 104	24 x 280	89602739

⁹⁾Tolerance range for optical data: ±5% and tolerance range for electrical data: ±15%.

Type	Colour-temperature (K)	Typ. luminous flux ⁹⁾ (lm)	CRI	Mac Adam	Size (mm)	Order No.
LLE 24x280mm 700lm 927-965 PRE (LED Module)	2,700	630	> 90	SDCM 3	24 x 280	89602732
	6,500	685	> 90	SDCM 3	24 x 280	
LLE 24x280mm 1500lm 927-965 PRE (LED Module)	2,700	1,260	> 90	SDCM 3	24 x 280	89602733
	6,500	1,370	> 90	SDCM 3	24 x 280	

⁹⁾Tolerance range for optical data: ±5% and tolerance range for electrical data: ±15%.

Engine, Module LLE PREMIUM CRI > 90

NEW	Type	Colour-temperature (K)	Typ. luminous flux ⁹⁾ (lm)	CRI	Mac Adam	Size (mm)	Order No.	Size per module (mm)	Order No.
	LLE G2 24x280mm 3x700lm 927-965 LV PRE (1 LED Driver 50 W + 3 LED module à 700lm)	2,700–6,500 Tunable White	2,100	> 90	SDCM 3	20.5	up to 102	24 x 280	89602931
	LLE G2 24x280mm 4x700lm 927-965 LV PRE (1 LED Driver 50 W + 4 LED module à 700lm)	2,700–6,500 Tunable White	2,800	> 90	SDCM 3	26.4	up to 106	24 x 280	89602932
	LLE G2 24x280mm 5x700lm 927-965 LV PRE (1 LED Driver 50 W + 5 LED module à 700lm)	2,700–6,500 Tunable White	3,500	> 90	SDCM 3	32.0	up to 109	24 x 280	89602933
	LLE G2 24x280mm 6x700lm 927-965 LV PRE (1 LED Driver 50 W + 6 LED module à 700lm)	2,700–6,500 Tunable White	4,200	> 90	SDCM 3	38.4	up to 109	24 x 280	89602934
	LLE G2 24x280mm 2x1500lm 927-965 LV PRE (1 LED Driver 50 W + 2 LED module à 1,500lm)	2,700–6,500 Tunable White	3,000	> 90	SDCM 3	28.6	up to 104	24 x 280	89602935
	LLE G2 24x280mm 3x1500lm 927-965 LV PRE (1 LED Driver 50 W + 3 LED module à 1,500lm)	2,700–6,500 Tunable White	4,500	> 90	SDCM 3	41.1	up to 109	24 x 280	89602936
	LLE G2 24x280mm 4x1500lm 927-965 LV PRE (1 LED Driver 100 W + 4 LED module à 1,500lm)	2,700–6,500 Tunable White	6,000	> 90	SDCM 3	54.1	up to 110	24 x 280	89602937
	LLE G2 24x280mm 5x1500lm 927-965 LV PRE (1 LED Driver 100 W + 5 LED module à 1,500lm)	2,700–6,500 Tunable White	7,500	> 90	SDCM 3	67.3	up to 111	24 x 280	89602938
	LLE G2 24x280mm 6x1500lm 927-965 LV PRE (1 LED Driver 100 W + 6 LED module à 1,500lm)	2,700–6,500 Tunable White	9,000	> 90	SDCM 3	79.9	up to 112	24 x 280	89602939



⁹⁾Tolerance range for optical data: ±5% and tolerance range for electrical data: ±15%.

Module LLE



NEW	Type	Colour-temperature (K)	Typ. luminous flux ⁹⁾ (lm)	CRI	Mac Adam	Size (mm)	Order No.
	TW LLE G2 24x280mm 700lm 927-965 PRE (LED module)	2,700	670	> 90	SDCM 3	24 x 280	89602922
		6,500	740	> 90	SDCM 3	24 x 280	
	TW LLE G2 24x280mm 1500lm 927-965 PRE (LED module)	2,700	1,470	> 90	SDCM 3	24 x 280	89602923
		6,500	1,610	> 90	SDCM 3	24 x 280	

⁹⁾Tolerance range for optical data: ±5 % and tolerance range for electrical data: ±15%.

Matching Driver STARK LLE (in each KIT included)

Driver LCAI 38 W TW Ip	Driver LCAI 75 W TW Ip
 <p>Size: 360 x 30 x 21 mm 3-5 LLE modules à 700lm</p>	 <p>Size: 360 x 30 x 21 mm 3-5 LLE modules à 1,500lm</p>

Matching Driver LLE G2 (in each KIT included)

Driver LCA 50W 350-1050mA DT8 Ip PRE	Driver LCA 100W 350-1050mA 2xDT8 Ip PRE
 <p>Size: 360 x 30 x 21 mm 3-6 LLE Module à 700lm 2-3 LLE Module à 1,500lm</p>	 <p>Size: 360 x 40 x 21 mm 3-6 LLE Module à 1,500lm</p>





Module LLE FLEX

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	LLE FLEX EXC IP67*
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	4,800 x 12 x 5 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	600 lm, 1,200 lm, 1,800 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	2,700 K, 3,000 K and 4,000 K with SDCM 3
Module efficiency	125 lm/W	141 lm/W	120 lm/W	95 lm/W
Colour rendering index	CRI >80	CRI >80	CRI >90	CRI >90
Cut options	50 mm cut options	100 mm cut options	50 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	7 mm Light point spacing

*Coming in February

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.

Module LLE FLEX

Module LLE FLEX ESSENCE

NEW	Type	Colour-temperature (K)	Mac Adam	Typ. luminous flux tp = 65 °C ¹⁾ (lm/m)	CRI	Typ. power consumption tp = 65 °C ¹⁾ (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

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

Module LLE FLEX ADVANCED

Type	Colour-temperature (K)	Mac Adam	Typ. luminous flux tp = 65 °C ¹⁾ (lm/m)	CRI	Typ. power consumption tp = 65 °C ¹⁾ (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

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

Module LLE FLEX EXCITE IP67

NEW	Type	Colour-temperature (K)	Mac Adam	Typ. luminous flux at tp = 65 °C ¹⁾ (lm/m)	Colour rendering index CRI	Typ. power consumption at tp = 65 °C ¹⁾ (W/m)	Luminous efficacy of module at tp = 65 °C (lm/W)	Order No.
	LLE FLEX G1 7W-600lm/m 927 IP67 EXC*	2,700	SDCM 3	570	> 90	7.2	83	28002171
	LLE FLEX G1 7W-600lm/m 930 IP67 EXC*	3,000	SDCM 3	590	> 90	7.2	88	28002172
	LLE FLEX G1 7W-600lm/m 940 IP67 EXC*	4,000	SDCM 3	600	> 90	6.6	95	28002173
	LLE FLEX G1 13W-1200lm/m 927 IP67 EXC*	2,700	SDCM 3	1,070	> 90	13.6	83	28002174
	LLE FLEX G1 13W-1200lm/m 930 IP67 EXC*	3,000	SDCM 3	1,120	> 90	13.6	89	28002175
	LLE FLEX G1 13W-1200lm/m 940 IP67 EXC*	4,000	SDCM 3	1,180	> 90	13.2	94	28002176
	LLE FLEX G1 20W-1800lm/m 927 IP67 EXC*	2,700	SDCM 3	1,560	> 90	21.4	80	28002177
	LLE FLEX G1 20W-1800lm/m 930 IP67 EXC*	3,000	SDCM 3	1,640	> 90	21.4	84	28002178
	LLE FLEX G1 20W-1800lm/m 940 IP67 EXC*	4,000	SDCM 3	1,690	> 90	19.8	91	28002179

*Coming in February, Preliminary data; subject to change. ¹⁾ Tolerances range for optical and electrical data: ±15%. Values per 1m of LLE FLEX.

Module LLE FLEX

Module LLE FLEX EXCITE Short-pitch

Type	Colour-temperature (K)	Mac Adam	Typ. luminous flux at $t_p = 65^\circ\text{C}^{1)}$ (lm/m)	Colour rendering index CRI	Typ. power consumption at $t_p = 65^\circ\text{C}^{1)}$ (W/m)	Luminous efficacy of module at $t_p = 65^\circ\text{C}$ (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

¹⁾ Tolerances range for optical and electrical data: $\pm 10\%$. Values per 1m of LLE FLEX.

Matching LED Driver

LED Driver	Order No.
Driver Dimming	
LCA 35W 24V one4all SC PRE	28001662
LCA 60W 24V one4all SC PRE	28001663
LC 60W 24V SC SNC	87500665
LCA 100W 24V one4all SC PRE	28001253
LC 100W 24V SC SNC	87500666
LCA 150W 24V one4all SC PRE	28001437
LC 60W 24V Ip SNC	87500669
LC 100W 24V Ip SNC	87500670
LCA 100W 24V one4all Ip PRE	28001436
Driver Built-in non-dimming	
LCU 35W 24V SR TOP	28000411
LCU 60W 24V SR TOP	28000412
LCU 96W 24V SR TOP	28000413
LCU 180W 24V SR TOP	28000414



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

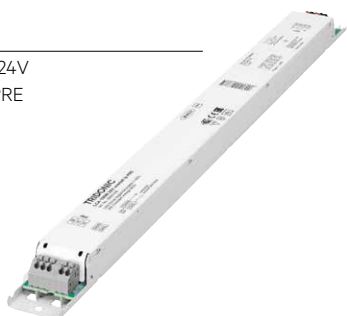
LCA 35 W/60 W/100W/150W
24V one4all SC PRE



At a glance: LCA 35 W/60 W/100W/150W 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

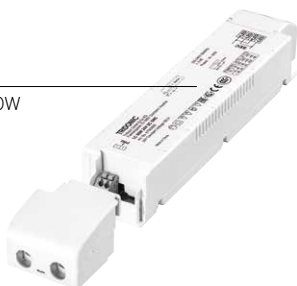
LCA 100W 24V
one4all Ip PRE



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 60 W/100W
24V SC SNC



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

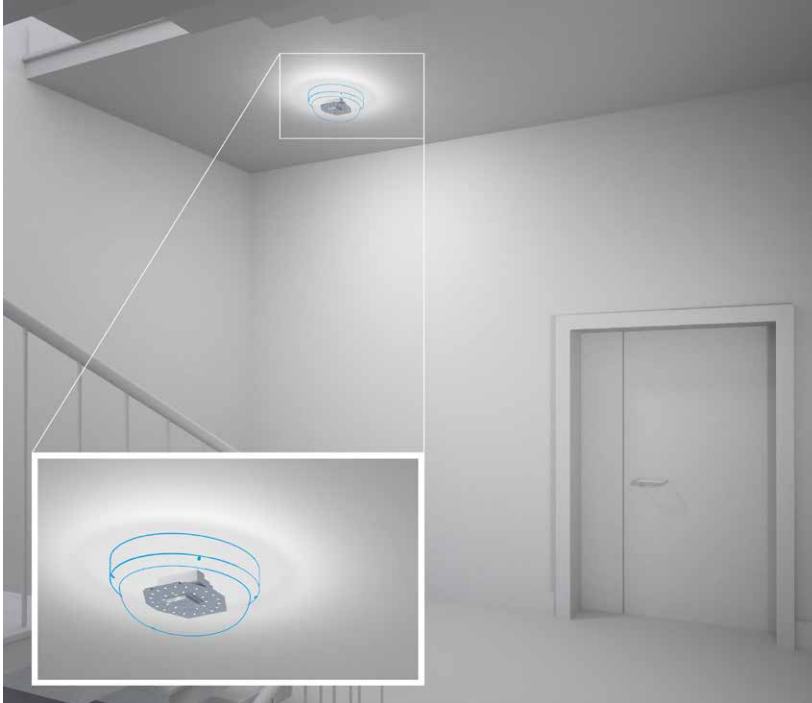


At a glance: LC 60 W/100W 24V Ip SNC

- 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

Module CLE

System solution for wall and ceiling luminaires



Product Portfolio – Overview

	Engine CLE		Engine CLE integrated	Engine CLE Quadrant	Engine CLE Shallow	Engine CLE PREMIUM
CLE Type	CLE 50–160 mm	CLE 160–315 mm	CLE AC 160 mm–220 mm	CLE Quadrant	CLE Shallow	CLE PREMIUM
Application	Diffuse Downlights	Decorative wall luminaires	Diffuse Downlights, Decorative wall luminaires	Pendant and surface-mounted ceiling luminaires	Extra flat pendant and surface-mounted ceiling luminaires	Decorative Pendant and surface-mounted ceiling luminaires
Mounting	>50 mm	>50 mm	>50 mm	>50 mm	25–30 mm	>50 mm
Variants	50, 80, 120, 130, 160, 315 mm	160, 190, 220, 315 mm	160 mm, 220 mm	522, 802, 1,082 mm	160, 370, 522, 802 mm	261, 401, 541 mm
Driver	Cost	Cost	Cost	Design/Trend	Design/Trend	Design/Trend

Module CLE provides perfectly homogeneous illumination in round and square luminaires with no shadow effects. As an efficient, high-quality and user-friendly system solution, CLE is the ideal replacement for ring-shaped and TC DD fluorescent lamps.

In combination with the EM powerLED emergency lighting system, Module CLE performs the functions of an emergency luminaire. In addition, thanks to SWITCH Sensor HF a simple CorridorFUNCTION (CF) is available for stepless dimming.

Module CLE

Module CLE ESSENCE for diffused LED downlights and wall luminaires

NEW	Type	Colour-temperature (K)	Mac Adam	Typ. luminous flux ⁰		Module efficacy tp = 65°C (lm/W)	Size (mm)	Order No.
				Operation mode tp = 65°C (lm)	Operation mode tp = 65°C (W)			
	CLE G1 50mm 1000lm 830 SNC	3,000	SDCM 4	1,000	7.8	up to 130	Ø 50	89602904
	CLE G1 50mm 1000lm 840 SNC	4,000	SDCM 4	1,070	7.8	up to 138	Ø 50	89602905
	CLE G1 80mm 2000lm 830 SNC	3,000	SDCM 4	2,000	15.5	up to 130	Ø 80	89602906
	CLE G1 80mm 2000lm 840 SNC	4,000	SDCM 4	2,140	15.5	up to 138	Ø 80	89602907
	CLE G1 120mm 2500lm 830 SNC	3,000	SDCM 4	2,690	20.9	up to 128	Ø 120	89602908
	CLE G1 120mm 2500lm 840 SNC	4,000	SDCM 4	2,860	20.9	up to 137	Ø 120	89602909
	CLE G1 160mm 3000lm 830 SNC	3,000	SDCM 4	3,150	24.3	up to 130	Ø 160	89602910
	CLE G1 160mm 3000lm 840 SNC	4,000	SDCM 4	3,360	24.3	up to 138	Ø 160	89602911
	CLE G1 315mm 4000lm 830 SNC	3,000	SDCM 4	4,120	30.7	up to 134	Ø 315	89602912
	CLE G1 315mm 4000lm 840 SNC	4,000	SDCM 4	4,390	30.7	up to 143	Ø 315	89602913

⁰ Tolerance range for optical and electrical data ±10 %.

Module CLE ADVANCED for diffused LED downlights and wall luminaires

Type	Colour-temperature (K)	Mac Adam	Typ. luminous flux ⁰	Typ. power draw ⁰	Module efficacy	Size (mm)	Order No.
			Operation mode tp = 65°C (lm)	Operation mode tp = 65°C (W)	tp = 65°C (lm/W)		
STARK CLE-120-2000-830-CLA	3,000	SDCM 3	1,980	17.7	up to 112	Ø 120	89600431
STARK CLE-120-2000-840-CLA	4,000	SDCM 3	1,980	17.7	up to 112	Ø 120	89600432
STARK CLE-130-2000-830-CLA	3,000	SDCM 3	2,480	22.1	up to 112	Ø 130	89601924
STARK CLE-130-2000-840-CLA	4,000	SDCM 3	2,480	22.1	up to 112	Ø 130	89601925
CLE-G2-160-3000-830-CLA	3,000	SDCM 3	2,830	23.1	up to 123	Ø 160	89602005
CLE-G2-160-3000-840-CLA	4,000	SDCM 3	3,100	23.1	up to 134	Ø 160	89602006

⁰ Tolerance range for optical and electrical data ±10 %.

Module CLE ADVANCED for decorative wall luminaires

NEW	Type	Colour-temperature (K)	Mac Adam	Typ. luminous flux ⁰		Typ. power draw ⁰		Module efficacy tp = 65°C (lm/W)	Size (mm)	Order No.
				Operation mode tp = 65°C (lm)	Operation mode tp = 65°C (W)	HE	HO			
	CLE G3 160mm 3000lm 830 ADV	3,000	SDCM 3	1.980	2.750	12,6	18,7	up to 157	Ø 160	89602856
	CLE G3 160mm 3000lm 840 ADV	4,000	SDCM 3	2.190	3.040	12,6	18,7	up to 173	Ø 160	89602857
	CLE G3 190mm 1500lm 830 ADV EM	3,000	SDCM 3	1.360	2.000	8,9	13,3	up to 152	Ø 190	89602858
	CLE G3 190mm 1500lm 840 ADV EM	4,000	SDCM 3	1.360	2.000	8,9	13,3	up to 152	Ø 190	89602859
	CLE G3 190mm 1500lm 830 ADV EM SO	3,000	SDCM 3	1.510	2.060	8,9	13,3	up to 169	Ø 190	89602860
	CLE G3 190mm 1500lm 840 ADV EM SO	4,000	SDCM 3	1.510	2.060	8,9	13,3	up to 169	Ø 190	89602861
	CLE G3 220mm 1500lm 830 ADV EM	3,000	SDCM 3	1.360	2.000	8,9	13,3	up to 152	Ø 220	89602862
	CLE G3 220mm 1500lm 840 ADV EM	4,000	SDCM 3	1.360	2.000	8,9	13,3	up to 152	Ø 220	89602863
	CLE G3 220mm 1500lm 830 ADV EM SO	3,000	SDCM 3	1.510	2.060	8,9	13,3	up to 169	Ø 220	89602864
	CLE G3 220mm 1500lm 840 ADV EM SO	4,000	SDCM 3	1.510	2.060	8,9	13,3	up to 169	Ø 220	89602865
	CLE G3 315mm 4000lm 830 ADV EM	3,000	SDCM 3	2.600	3.720	17,0	26,7	up to 153	Ø 315	89602866
	CLE G3 315mm 4000lm 840 ADV EM	4,000	SDCM 3	2.870	4.100	17,0	26,7	up to 169	Ø 315	89602867
	CLE G3 315mm 4000lm 830 ADV EM SO	3,000	SDCM 3	2.600	3.720	17,0	26,7	up to 153	Ø 315	89602868
	CLE G3 315mm 4000lm 840 ADV EM SO	4,000	SDCM 3	2.870	4.100	17,0	26,7	up to 169	Ø 315	89602869

⁰ Tolerance range for optical and electrical data ±10 % HE=High Efficiency, HO=High Output

Module CLE

Engine CLE Integrated

Module	Colour-temperature (K)	Mac Adam	Typ. luminous flux (lm)	CRI	Typ. power draw (W)	System-efficiency (lm/W)	Order No.
CLE-AC-160-1500-830-CLA	3,000	SDCM 3	1,450	> 80	14.5	100	89800421
CLE-AC-160-1500-840-CLA	4,000	SDCM 3	120	> 80	14.5	100	89800422
CLE-AC-160-1500-830-CLA EM-CF	3,000	SDCM 3	120	> 80	-	-	89800423
CLE-AC-160-1500-840-CLA EM-CF	4,000	SDCM 3	1,450	> 80	-	-	89800424
CLE AC G2 220mm 2500lm 830 ADV	3,000	SDCM 3	2,500	> 80	20.8	120	89800515
CLE AC G2 220mm 2500lm 840 ADV	4,000	SDCM 3	2,500	> 80	20.8	120	89800516
CLE AC G2 220mm 2500lm 830 ADV EM-CF	3,000	SDCM 3	2,500	> 80	20.8	120	89800517
CLE AC G2 220mm 2500lm 840 ADV EM-CF	4,000	SDCM 3	2,500	> 80	20.8	120	89800518

Module CLE Quadrant G2

Type	Colour-temperature (K)	Mac Adam	Typ. luminous flux ¹⁾ tp = 45°C (lm)		CRI	Typ. power draw ¹⁾ tp = 45°C (W)	Module efficacy tp = 45°C (lm/W)	Order No.
			HE	HO				
CLE Quadrant G2 590mm 1200lm 830 ADV	3,000	SDCM 3	1,200	1,840	> 80	6.7	178	89602335
CLE Quadrant G2 590mm 1200lm 840 ADV	4,000	SDCM 3	1,260	1,930	> 80	6.7	187	89602337
CLE Quadrant G2 870mm 2500lm 830 ADV	3,000	SDCM 3	2,420	3,820	> 80	13.2	183	89602338
CLE Quadrant G2 870mm 2500lm 840 ADV	4,000	SDCM 3	2,530	4,000	> 80	13.2	191	89602340
CLE Quadrant G2 Wing 1000lm 830 ADV	3,000	SDCM 3	970	1,430	> 80	5.4	178	89602341
CLE Quadrant G2 Wing 1000lm 840 ADV	4,000	SDCM 3	1,020	1,500	> 80	5.4	188	89602343

¹⁾Tolerance range for optical and electrical data: ±10 %. Data applies for four quadrants. HE=High Efficiency, HO=High Output

Module CLE Shallow

Type	Colour-temperature (K)	Mac Adam	Typ. luminous flux ¹⁾ (lm)			CRI	Typ. power draw ¹⁾ (W)	Module efficacy tp = 45°C (lm/W)	Order No.
			HE	NM	HO				
CLE Shallow G1 160mm 750lm 830 ADV	3,000	SDCM 3	710	1,600	2,200	> 80	4.1	174	89602485
CLE Shallow G1 160mm 750lm 840 ADV	4,000	SDCM 3	730	1,650	2,300	> 80	4.1	180	89602486
CLE Shallow G1 370mm 2900lm 830 ADV	3,000	SDCM 3	2,820	3,920	5,770	> 80	16.3	173	89602487
CLE Shallow G1 370mm 2900lm 840 ADV	4,000	SDCM 3	2,910	4,060	5,980	> 80	16.3	179	89602488
CLE Shallow G1 522mm 1750lm 830 ADV	3,000	SDCM 3	1,670	2,760	3,780	> 80	9.8	171	89602489 ²⁾
CLE Shallow G1 522mm 1750lm 840 ADV	4,000	SDCM 3	1,740	2,860	3,910	> 80	9.8	177	89602490 ²⁾
CLE Shallow G1 802mm 3800lm 830 ADV	3,000	SDCM 3	3,650	5,020	5,840	> 80	21.2	172	89602491 ²⁾
CLE Shallow G1 802mm 3800lm 840 ADV	4,000	SDCM 3	3,780	5,200	6,040	> 80	21.2	178	89602492 ²⁾

¹⁾ Tolerance range for optical and electrical data: ±10 %. ²⁾ Data applies for one quadrant. HE=High Efficiency, NM=Nominal, HO=High Output

Engine CLE PREMIUM

Type	Colour-temperature (K)	Typ. luminous flux ¹⁾ (lm)	CRI	Mac Adam	Typ. power draw ¹⁾ (W)	System efficacy (lm/W)	Size per module (mm)	Order No.
TW CLE G1 261mm 4x1150lm 830-860 PRE KIT (1 LED-Driver + 4 LED-Module)	3.000–6.000 Tunable White	4.650	> 80	SDCM 3	28,4	up to 160	261 x 261	89602612
TW CLE G1 401mm 4x2450lm 830-860 PRE KIT (LED-Driver + 4 LED-Module)	3.000–6.000 Tunable White	9.610	> 80	SDCM 3	58	up to 162	401 x 401	89602613
TW CLE G1 541mm 8x900lm 830-860 PRE KIT (1 LED-Driver + 8 LED-Module)	3.000–6.000 Tunable White	7.410	> 80	SDCM 3	43,5	up to 166	541 x 35	89602614

Engine ready2apply

Professional LED systems the easy way

Main applications

Spotlight



Engine SLA ready2apply



Replacement for halogen lamps MR16

Downlight



Engine DLA ready2apply



Replacement for compact fluorescent lamps

Emergency Downlight



Engine EM ready2apply



The ready2apply products are suitable for direct installation in ceilings – simple and convenient because the LED module, heat sink and lens form a single unit. This means it is possible to switch very quickly and cost-effectively from conventional halogen or compact fluorescent lamps to a preconfigured professional LED solution.

The ready2apply range features installation-ready spotlight and downlight solutions to meet professional lighting requirements, for example in shops and hotels. The SLA ready2apply for spotlights is offered in two versions: one as single part (DC 700 lm or 1,200 lm) and one for phase-cut dimmers (AC pc 700 lm). Even the LED Driver has been integrated in the Engine DLA ready2apply downlight version. The new product EM ready2apply combines high-quality LED technology, a compact housing and a long-life lithium iron phosphate battery in a complete solution for emergency lighting in the form of a separate luminaire.

At a glance: Engine ready2apply

- Complete ready-to-apply solution for quick and simple upgrades from conventional lighting to LED lighting (individual mounting ring required)
- Engine DLA ready2apply for downlights, with integrated fixed output or ClickDIM dimmable LED Driver
- Engine SLA ready2apply for spotlights, dimming via suitable LED Driver (AC pc 700 lm Version with integrated phase-cut driver)
- Engine EM ready2apply for anti-panic, escape route and spot illumination

Engine SLA ESSENCE

For spotlights



At a glance: Engine SLA ready2apply

- LED replacement for spotlights with halogen lamps
- Complete ready-to-apply solution comprising LED module, lens and heat sink
- Beam Angle: spot degree (24°) or downlight (36°)
- 10 W~700 lm, 12.2 W~1,200 lm
- Optimum quality of light: 2,700 K, 3,000 K, 4,000 K, CRI 90, MacAdam 3
- Electrical voltage 35 V
- Can be mounted with the most fixing rings on the market
- Nominal lifetime of 50,000 hours
- 5-years guarantee



Engine SLA ready2apply is the professional LED alternative for spotlights with halogen lamps (MR16 GU5.3, GU10) – and comes with additional benefits.

With the second generation of this product family energy costs can be reduced to as little as one eighth, thanks mainly to the optimised lumen packages of 700 lm and 1200 lm. The 700 lm variant offers a free choice of either dc or ac current thanks to the integrated phase cut driver. Common to all variants is the clever combination of reduced design, low mounting depth and heat sink, the popular faceted optics and the large selection of light colours.

Engine SLA ESSENCE

NEW	Type	Beam characteristics	Size LED Modul (mm)	Order No.	Forward current (mA)	Colour temperature (K)	Luminous flux ¹⁾ (lm)	Typ. power consumption ¹⁾ (W)	Efficacy ¹⁾ (lm/W)
	SLA AC pc G2 50mm 700lm 927 24D SNC	24°	Ø 50x76	28001934	-	2,700	710	9.5	75
	SLA AC pc G2 50mm 700lm 927 36D SNC	36°	Ø 50x76	28001935	-	2,700	710	9.5	75
	SLA AC pc G2 50mm 700lm 930 24D SNC	24°	Ø 50x76	28001936	-	3,000	760	9.5	80
	SLA AC pc G2 50mm 700lm 930 36D SNC	36°	Ø 50x76	28001937	-	3,000	760	9.5	80
	SLA AC pc G2 50mm 700lm 940 24D SNC	24°	Ø 50x76	28001938	-	4,000	810	9.5	85
	SLA AC pc G2 50mm 700lm 940 36D SNC	36°	Ø 50x76	28001939	-	4,000	810	9.5	85
	SLA DC G2 50mm 700lm 927 24D SNC	24°	Ø 50x60	28001942	180-250	2,700	770	8.8	88
	SLA DC G2 50mm 700lm 927 36D SNC	36°	Ø 50x60	28001943	180-250	2,700	770	8.8	88
	SLA DC G2 50mm 700lm 930 24D SNC	24°	Ø 50x60	28001944	180-250	3,000	840	8.8	95
	SLA DC G2 50mm 700lm 930 36D SNC	36°	Ø 50x60	28001945	180-250	3,000	840	8.8	95
	SLA DC G2 50mm 700lm 940 24D SNC	24°	Ø 50x60	28001946	180-250	4,000	890	8.8	101
	SLA DC G2 50mm 700lm 940 36D SNC	36°	Ø 50x60	28001947	180-250	4,000	890	8.8	101
	SLA DC G2 50mm 1200lm 927 24D SNC	24°	Ø 50x70	28001950	250-350	2,700	1,140	12.2	93
	SLA DC G2 50mm 1200lm 927 36D SNC	36°	Ø 50x70	28001951	250-350	2,700	1,140	12.2	93
	SLA DC G2 50mm 1200lm 930 24D SNC	24°	Ø 50x70	28001952	250-350	3,000	1,170	12.2	96
	SLA DC G2 50mm 1200lm 930 36D SNC	36°	Ø 50x70	28001953	250-350	3,000	1,170	12.2	96
	SLA DC G2 50mm 1200lm 940 24D SNC	24°	Ø 50x70	28001954	250-350	4,000	1,270	12.2	104
	SLA DC G2 50mm 1200lm 940 36D SNC	36°	Ø 50x70	28001955	250-350	4,000	1,270	12.2	104

¹⁾Tolerance range for electrical and optical data: ±10 %

Matching Driver

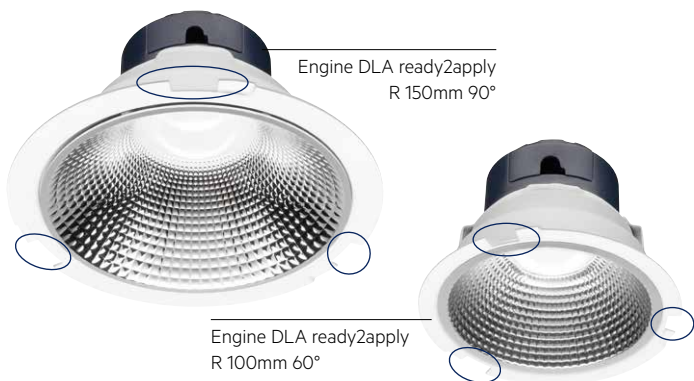
Driver	Order No.	SLA G2 50mm 700lm DC SNC	SLA G2 50mm 1200lm DC SNC	SLA G2 50mm 700lm AC pc SNC
Driver Fixed output				
LC 10W 250mA fixC C SNC	87500628	■		
LC 10W 250mA fixC SR SNC	87500580	■		
LC 10 W 150-400 mA flexC C EXC	28000692	■		
LC 10 W 150-400 mA flexC SC EXC	28000704	■		
LC 10 W 150-400 mA flexC SR EXC	28000698	■		
LC 10W 250mA fixC C SNC	87500628		■	
LC 10W 250mA fixC SR SNC	87500580		■	
LC 13W 300mA fixC SR SNC	87500571		■	
LC 15W 350mA fixC C SNC	87500630		■	
LC 15W 350mA fixC SR SNC	87500572		■	
LC 15W 350mA fixC SC ADV	87500448		■	
LC 20W 350/500/700mA flexC SR ADV	87500621		■	
Driver Phase-cut				
LCBI 10W 180mA phase-cut/1-10 V SR	87500273	■		
LCBI 10W 180mA phase-cut/1-10V lp	87500282	■		
LCA 15W 180-350mA flexC PH-C SR ADV	87500627	■	■	
LCBI 15W 350mA BASIC PH-CUT SR ADV	87500386		■	
LCBI 15W 350mA BASIC lp	89800255		■	
LCA 21W 300-500mA flexC PH-C SR ADV	87500603			■

integrated phase-cut driver

integrated phase-cut driver

Engine DLA ESSENCE

For downlights



At a glance: Engine DLA ready2apply

- LED replacement for downlights with compact fluorescent lamps
- Complete ready-to-apply solution comprising LED module, lens, heat sink and LED Driver
- Casing type with 3 cutouts (R) and without cutouts (R SH)
- Sizes: \varnothing 100 mm with 1000 lm, \varnothing 150 mm with 2000 lm
- High efficiency of 100 lm/W ($t_p = 65^\circ\text{C}$)
- High colour rendering index of CRI > 80
- Narrow colour tolerance: MacAdam 4
- Perfect beam angle thanks to optional Tridonic reflectors with 60° or 90°
- Nominal lifetime of up to 30,000 hours (L70/B50), 3-years guarantee



Thanks to Engine DLA ready2apply the switch from downlights with conventional compact fluorescent lamps (CFLs) to ones with LEDs is really simple. This installation-ready solution includes the LED module, the lens, the heat sink and even the LED driver.

The individual components are perfectly matched to one another electronically, thermally and optically. The appropriate reflectors are also available from Tridonic. As in the case of the mounting ring, you can also use existing alternatives. The integrated ClickDIM LED Driver allows simply switching between the full brightness (100%), energy saving mode (50%) or lowest level (10%) through a finger touch on the normal wall switch (no need for a dimmer at all).

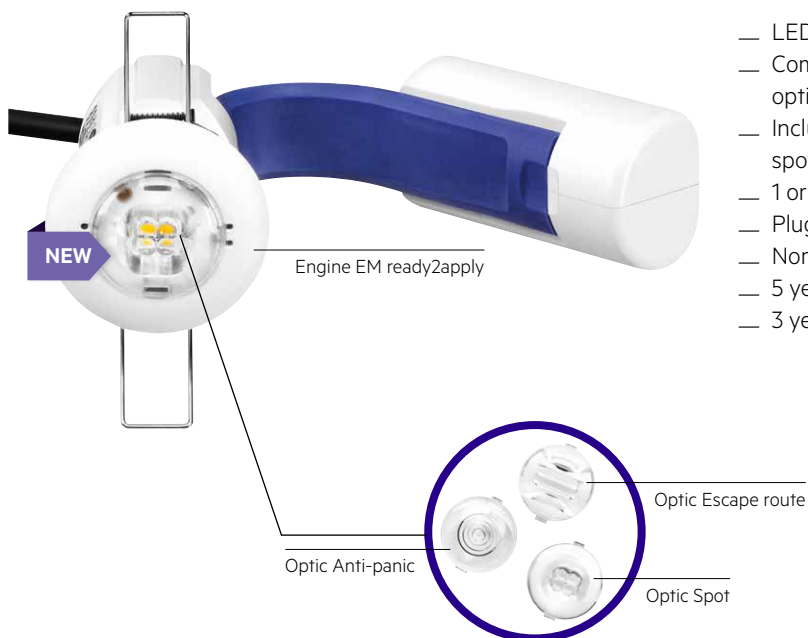
Engine DLA ESSENCE

Type	Size (mm)	Order No. Global	Colour-temperature (K)	Luminous flux ¹⁾ (lm)	Luminous flux with 60°/90° ²⁾ (lm)	Typ. power consumption ³⁾ (W)	Module efficacy ¹⁾ (lm/W)	Module efficacy with 60°/90° ²⁾ (lm/W)
Engine DLA ready2apply								
DLA G1 100mm 1000lm 830 R SNC	Ø 114 x 72	28001090	3,000	1,000	1,020	11.6	86	88
DLA G1 100mm 1000lm 830 R SH SNC		28001264						
DLA G1 100mm 1000lm 840 R SNC	Ø 114 x 72	28001091	4,000	1,050	1,070	11.6	90	92
DLA G1 100mm 1000lm 840 R SH SNC		28001265						
DLA G1 100mm 1000lm 865 R SNC	Ø 114 x 72	87500479	6,500	1,050	1,070	11.6	91	92
DLA G1 150mm 2000lm 830 R SNC	Ø 164 x 82	28001092	3,000	2,000	2,040	22.7	88	90
DLA G1 150mm 2000lm 830 R SH SNC		28001266						
DLA G1 150mm 2000lm 840 R SNC	Ø 164 x 82	28001093	4,000	2,100	2,140	22.7	92	94
DLA G1 150mm 2000lm 840 R SH SNC		28001267						
DLA G1 150mm 2000lm 865 R SNC	Ø 164 x 82	87500480	6,500	2,130	2,160	22.7	93	95
Engine DLA ready2apply ClickDIM								
DLA G1 100mm 1000lm 830 R ClickD SNC	Ø 114 x 72	87500588	3,000	1,000	1,020	11.7	85	86
DLA G1 100mm 1000lm 830 R SH ClickD SNC		87500594						
DLA G1 100mm 1000lm 840 R ClickD SNC	Ø 114 x 72	87500589	4,000	1,050	1,070	11.7	89	90
DLA G1 100mm 1000lm 840 R SH ClickD SNC		87500595						
DLA G1 100mm 1000lm 865 R ClickD SNC	Ø 114 x 72	87500592	6,500	1,050	1,070	11.7	91	95
DLA G1 150mm 2000lm 830 R ClickD SNC	Ø 164 x 82	87500590	3,000	2,000	2,040	23.0	86	88
DLA G1 150mm 2000lm 830 R SH ClickD SNC		87500596						
DLA G1 150mm 2000lm 840 R ClickD SNC	Ø 164 x 82	87500591	4,000	2,100	2,140	23.0	90	92
DLA G1 150mm 2000lm 840 R SH ClickD SNC		87500597						
DLA G1 150mm 2000lm 865 R ClickD SNC	Ø 164 x 82	87500593	6,500	2,130	2,160	23.0	91	93
Accessories								
ACD REFLECTOR 100mm 60 D	Ø 97.5 x 39	28001094						
ACD REFLECTOR 100mm 90 D	Ø 97.5 x 39	28001095						
ACD REFLECTOR 150mm 60 D	Ø 135 x 48.5	28001096						
ACD REFLECTOR 150mm 90 D	Ø 135 x 48.5	28001097						

¹⁾Tolerance range for electrical and optical data: ±10 %

Engine EM ready2apply

For anti-panic, escape route and spot illumination



At a glance: Engine EM ready2apply

- LED emergency module suitable for direct installation in ceilings
- Complete set with integrated electronics, LED module, heat sink, optics and battery
- Includes click-in multi-lens option for anti-panic, escape route and spot illumination
- 1 or 3 h rated duration (separate variants)
- Plug-in Lithium Iron Phosphate battery with strain-relief
- Nominal life-time of 50,000 hours
- 5 years guarantee electronic (LED Driver)
- 3 years guarantee battery

This new EM ready2apply combines high-quality LED technology, a compact housing and a long-life lithium iron phosphate battery in a complete solution for emergency lighting in the form of a complete luminaire.

With three interchangeable optics, EM ready2apply is ideally equipped for anti-panic lighting, for illuminating escape routes and for use as a spotlight. Thanks to the integrated installation aid this luminaire is quick and easy to install. The mounting depth of only 80 mm means that attractive emergency lighting can be provided even if space in the ceiling is restricted.

Engine EM ready2apply

NEW	Type	Rated duration (h)	Order No.	Operation	Number of cells	Output power (W)
Engine EM ready2apply BASIC						
	EM R2A BASIC NM 111 2W	1	89800534	non-maintained	1	1.50
	EM R2A BASIC M 111 2W	1	89800535	maintained	1	1.50
	EM R2A BASIC NM 131 1W	3	89800533	non-maintained	1	0.75
	EM R2A BASIC NM 132 2W	3	89800536	non-maintained	2	1.50
	EM R2A BASIC M 132 2W	3	89800537	maintained	2	1.50
Engine EM ready2apply PRO						
	EM R2A PRO NM 111 2W	1	89800542	non-maintained	1	1.50
	EM R2A PRO M 111 2W	1	89800543	maintained	1	1.50
	EM R2A PRO NM 122 2W	2	89800546	non-maintained	2	1.50
	EM R2A PRO M 122 2W	2	89800547	maintained	2	1.50
	EM R2A PRO NM 132 2W	3	89800544	non-maintained	2	1.50
	EM R2A PRO M 132 2W	3	89800545	maintained	2	1.50
Engine EM ready2apply SELFTEST						
	EM R2A ST NM 111 2W	1	89800538	non-maintained	1	1.50
	EM R2A ST M 111 2W	1	89800539	maintained	1	1.50
	EM R2A ST NM 132 2W	3	89800540	non-maintained	2	1.50
	EM R2A ST M 132 2W	3	89800541	maintained	2	1.50

— Test variants:

BASIC, tests have to be carried out manually and test results must be manually documented

SELFTEST, tests carried out automatically and the results are documented manually

PRO, test procedures and test sequences as well as the documentation of test results can be managed through a central DALI system

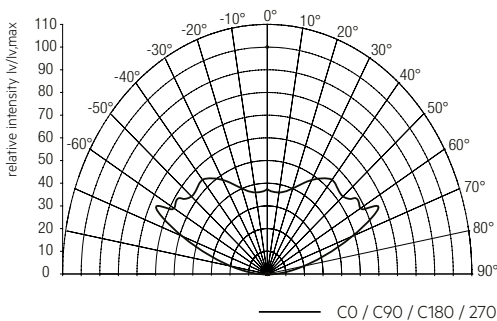
Replacement Batteries

Type	Order No.
PACK-LiFePO4 1.5Ah R2A	89800555
PACK-LiFePO4 3.0Ah R2A	89800556

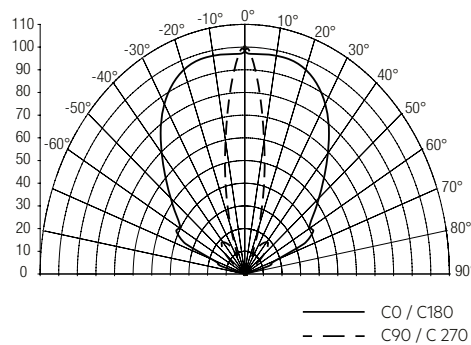
Optical properties

Type	Luminous flux Anti-panic (lm)	Luminous flux escape route (lm)	Luminous flux spot (lm)
EM R2A BASIC 1W	121	117	115
EM R2A BASIC 2W	200	200	200
EM R2A PRO 2W	200	200	200
EM R2A SELFTEST 2W	200	200	200

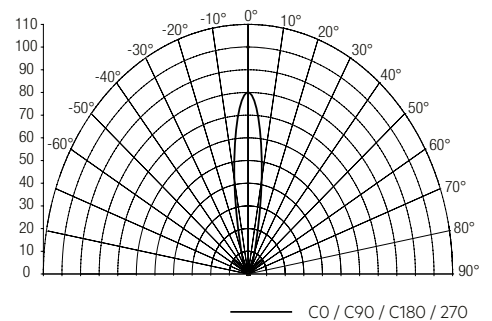
Anti-panic



Escape Route



Spot



Engine DC-String

The LED track light revolution for aesthetic designs

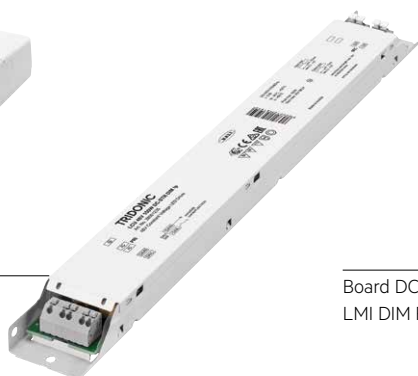


Overview of casing types

Driver DC-String,
Independent



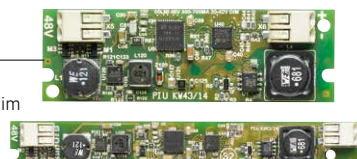
Driver DC-String,
Linear Low Profile



Board DC-String
LMI FO Regular, Slim



Board DC-String
LMI DIM Regular, Slim



Modern LED technology not only provides maximum efficiency and long life for the luminaire, but also enables luminaires to be miniaturised. With its new LED Engine DC-String, Tridonic has the solution to minimise shapes and therefore maximise ceiling harmonics.

Engine DC-String

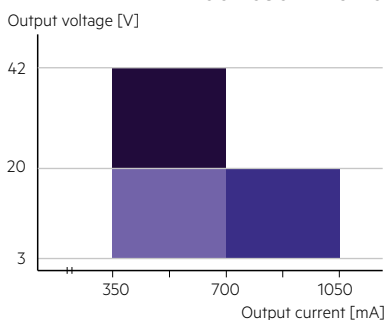
Driver DC-String | Linear Low Profile and Independent

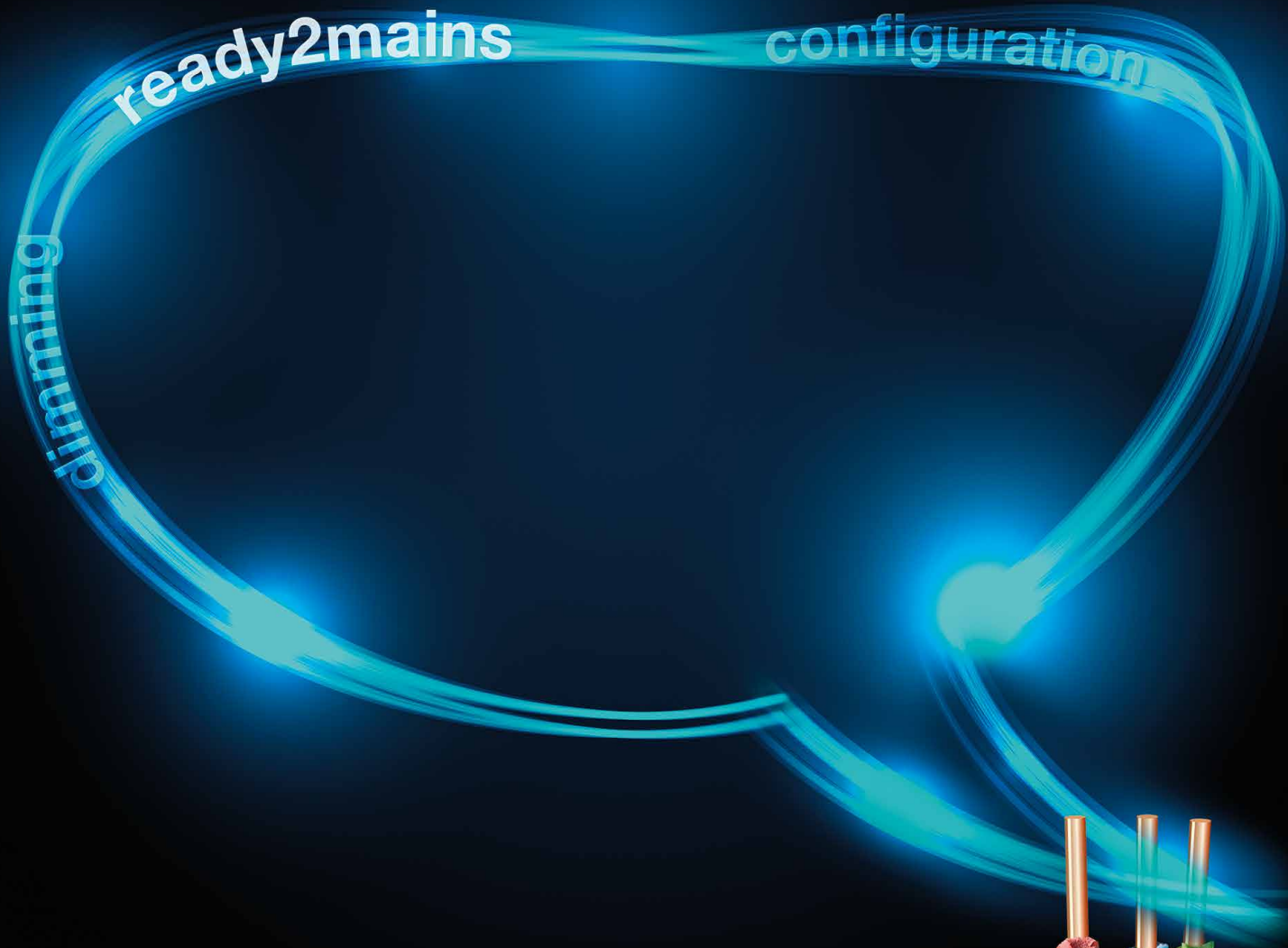
NEW	Designation	Output current at full load (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V)	Size (mm)	Order No.
Driver DC-String Linear Low Profile								
	LCU 48V 75W DC-STR FO Ip	358	48	75	yes	220-240	360 x 30 x 21	28000816
	LCU 48V 75W DC-STR DIM Ip	360	48	75	yes	220-240	360 x 30 x 21	28000815
	LCU 48V 150W DC-STR FO Ip	708	48	150	yes	220-240	360 x 40 x 21	28001234
	LCU 48V 150W DC-STR DIM Ip	710	48	150	yes	220-240	360 x 40 x 21	28001235
	LC 48V 100W DC-STR UNV FO Ip	383	48	100	yes	120-277	425 x 30 x 22	28001983
Driver DC-String Independent								
	LCU 48V 75W DC-STR FO SR	359	48	75	yes	220-240	235 x 100 x 31	28001232
	LCU 48V 75W DC-STR DIM SR	359	48	75	yes	220-240	235 x 100 x 31	28001233
	LCU 48V 150W DC-STR FO SR	707	48	150	yes	220-240	235 x 100 x 31	28001045
	LCU 48V 150W DC-STR DIM SR	710	48	150	yes	220-240	235 x 100 x 31	28001044

Board DC-String | fixed output and dimming

Designation	Operating window	Output current (mA)	Output voltage range (V)	Output power (W)	Output power (W)	Input voltage (V)	Size (mm)	Order No.
Board DC-String fixed output								
LMI G2 48V 350-700mA 3-20V FO Slim	II	350-700	3-20	7-14	yes	46-50	125 x 14.8 x 12.5	28000730
LMI 48V 350-700mA 20-42V FO Slim	I	350-700	20-42	14.7-29.4	yes	46-50	125 x 14.8 x 12.5	28000947
LMI 48V 350-700mA 20-42V FO Regular	I	350-700	20-42	14.7-29.4	yes	46-50	49.3 x 23.8 x 12.5	28000728
LMI G2 48V 700-1,050mA 3-20V FO Slim	III	700-1,050	2.5-20	14-21	yes	46-50	125 x 14.8 x 12.5	28001582
Board DC-String dimming								
LMI G2 48V 350-700mA 3-20V DIM Slim	II	350-700	3-20	7-14	yes	46-50	125 x 14.8 x 12.5	28000731
LMI G2 48V 350-700mA 20-42V DIM Slim	I	350-700	20-42	14.7-29.4	yes	46-50	125 x 14.8 x 12.5	28001585
LMI G2 48V 350-700mA 20-42V DIM Regular	I	350-700	20-42	14.7-29.4	yes	46-50	75 x 23.8 x 12.5	28001584
LMI G2 48V 700-1,050mA 3-20V DIM Slim	III	700-1,050	3-20	14-21	yes	46-50	125 x 14.8 x 12.5	28001583

Operating window 350-700 mA 3-20 V/20-42V 700-1050 mA 3-20 V





ready2mains
tells the current how to communicate.

ready2mains uses the mains cable to transmit information: easily, reliably and professionally. Luminaires are controlled and dimmed directly via the mains, with no need for any additional wiring. Manufacturers configure their luminaires with ready2mains, saving time and enhancing flexibility. ready2mains reduces production and installation costs and also reduces possible sources of error.

Simple connection, secure configuration.



LED Drivers for every need

Versatile, extremely energy-efficient and practically maintenance-free

Portfolio		ESSENCE	ADVANCED	EXCITE	PREMIUM
Dimming	Dimming interface		phase-cut up to 25 W ¹⁾		one4all, ready2mains
	Dimming range (method)		100...10% (AM) ¹⁾		100...1% (AM)
	DALI DT6 / DSI / switchDIM / corridorFUNCTION				yes
DC operation	Supporting EN 50172			yes	yes
	DC level adjustable				yes
Output current	Adjustable via resistor plug (I-Select 2)			yes	yes
	Adjustable via ready2mains			yes	yes
	Adjustable via DALI				yes
	Current tolerances	± 7.5%	± 7.5%	± 5%	± 3%
Functions & Performance	Configuration via ready2mains			yes	yes
	Constant light output over lifetime				yes
	Intelligent Temperature Guard	yes	yes	yes	yes
	Standby losses				< 0.15 W
	Output current ripple (LF)	>15 W ± 30%	>15 W ± 5%	± 5%	± 5%
	Form factors	C, SC, SR, Ip	C, SC, SR, Ip	C, SC, SR, Ip	C, SC, SR, Ip
	Operating temperature range	-20°C...+50°C ²⁾	-20°C...+50°C ²⁾	-25°C...+60°C ²⁾	-25°C...+60°C ²⁾
	Lifetime up to	30,000 h/50,000 h ¹⁾	50,000 h	100,000 h	100,000 h
	Guarantee	3 years/5 years ¹⁾	5 years	5 years	5 years

¹⁾ Only for certain variants.

²⁾ Varies with the selected output power. Detailed values according to data sheet.

Driver PREMIUM

Future-proof and reliable

Overview of casing types

Linear Low Profile



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

Built-in



For spotlights, floor-wall luminaires Low bay/high bay

Independent



For downlights, spotlights

Stretched Compact



For downlights, spotlights, floor-wall luminaires

LED Driver PREMIUM is a future-proof generation of LED Drivers characterised by highly advanced functionality and outstanding dimming behaviour.

Operating windows optimised for the intended applications ensure efficient operation of a wide range of LED modules, even across generations. LED Driver PREMIUM units are also the first LED Driver generation to feature ready2mains, the pioneering programmable mains interface.

At a glance: Driver PREMIUM

- Constant-current LED Driver with application-oriented operating windows
- one4all interface supports DALI, DSI, switchDIM and corridorFUNCTION
- Superior dimming performance with stepless amplitude dimming from 100 % to 1 %
- Power range 10–100 W
- High efficiency of up to > 93 %
- Unmatched standby losses of < 0.15 W
- New ready2mains technology permits configuration and dimming via the mains
- New I-Select 2 interface for setting the current on the primary side
- Large number of designs including the new Stretched Compact housing with attachable cable clamp

Driver PREMIUM one4all DT6

NEW	Designation	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V)	Size (mm)	Order No.
	LCAI 50W 350-1050mA 2xCH Ip PRE	350-1,050	20-50	50	yes	220-240	360 x 30 x 21	28001910
	LCA 100W 350-1050mA 4xCH Ip PRE	350-1,050	20-50	100	yes	220-240	360 x 40 x 21	28001912

Driver PREMIUM one4all DT8

NEW	Designation	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V)	Size (mm)	Order No.
	LCAI 38W 125mA DT8 Ip	100-150	125-250	38	no	220-240	360 x 30 x 21	28001457
	LCA 50W 350-1050mA DT8 Ip PRE	350-1,050	20-50	50	yes	220-240	360 x 30 x 21	28001909
	LCAI 75W 125mA DT8 Ip	200-300	125-250	75	no	220-240	360 x 30 x 21	28001458
	LCA 100W 350-1050mA 2xDT8 Ip PRE	350-1,050	20-50	100	yes	220-240	360 x 40 x 21	28001911

Driver PREMIUM

Driver PREMIUM | Built-in

Designation	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V)	Size (mm)	Order No.
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

Driver PREMIUM | Independent

Designation	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V)	Size (mm)	Order No.
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

Driver PREMIUM | Stretched Compact

Designation	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V)	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 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
ACU SC 30x43x30mm CLIP-ON SR PA (Optional clip-on strain relief set for Stretched Compact housing)						30 x 43 x 30	28001699
ACU SC 43x30mm CLIP-ON SR SET 300 (Optional clip-on strain relief set for Stretched Compact housing)						15 x 43 x 30	28001351

Driver PREMIUM | Linear Low Profile

Designation	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V)	Size (mm)	Order No.
LCA 35W 150-700mA one4all lp PRE	150-700	20-54	35	yes	220-240	280 x 30 x 21	28000654
LCA 50W 100-400mA one4all lp PRE	100-400	50-140	50	no	220-240	280 x 30 x 21	28000655
LCA 50W 350-1050mA one4all lp PRE	350-1,050	20-50	50	yes	220-240	360 x 30 x 21	28000656
LCA 75W 100-400mA one4all lp PRE	100-400	110-220	75	no	220-240	280 x 30 x 21	28000657
LCA 75W 250-550mA one4all lp PRE	250-550	80-150	75	no	220-240	280 x 30 x 21	28001250
LCA 75W 350-1050mA one4all lp PRE	350-1,050	40-110	75	no	220-240	360 x 30 x 21	28000659
LCA 75W 900-1800mA one4all lp PRE	900-1,800	20-50	75	yes	220-240	360 x 30 x 21	28000660
LCA 100W 250-700mA one4all lp PRE	250-700	80-220	100	no	220-240	360 x 30 x 21	28000661





EXCITE

Flexible configuration

Positioning in the Tridonic portfolio

ESSENCE	ADVANCED	EXCITE	PREMIUM
Cost-effective	Simplicity itself	Flexible	Convenient

Overview of casing types

Linear Low Profile/Slim	Built-in	Independent	Stretched Compact
			
For area luminaires and linear, decorative and free-standing luminaires	For spotlights, floor-wall luminaires	For downlights, spotlights	For downlights, spotlights, floor-wall luminaires

The new LED Driver EXCITE devices feature the programmable ready2mains (220-240 V) interface.

At the same time, the cost-efficient LED Driver provide the benefits of fixed-output devices, including simple installation without additional cabling or DALI addressing.

With their excellent dimming performance, the LED Driver EXCITE devices are the professional solution for efficient lighting upgrades and new installations. As before, the luminous flux of a luminaire can be configured via plugs (I Select 2) or now via ready2mains (220-240 V), with the added flexibility of being able to set the current in 1mA steps.

At a glance: Driver EXCITE

- Constant-current LED Driver with application-oriented operating windows
- Output ranges from 10 W to 100 W
- New ready2mains technology: configuration via the mains cable
- High efficiency of up to 95 %
- New I-Select 2 interface for setting the current on the primary side
- 5-year guarantee
- Large number of designs including the new Stretched Compact housing with attachable cable clamp

Driver EXCITE 1-10 V Linear Low Profile

NEW	Designation	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V)	Size (mm)	Order No.
	LCA 75W 100-400mA 1-10V Ip EXC	100-400	50-220	75	no	220-240	280 x 30 x 21	28001807
	LCA 75W 250-550mA 1-10V Ip EXC	250-550	50-220	75	no	220-240	280 x 30 x 21	28001982

Driver EXCITE

Driver EXCITE | Built-in

Designation	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V)	Size (mm)	Order No.
LC 10W 150-400mA flexC C EXC	150-400	15-45	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

Driver EXCITE | Independent

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

Driver EXCITE | Stretched Compact

Designation	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V)	Size (mm)	Order No.
LC 10W 150-400mA flexC SC EXC	150-400	15-45	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 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

Driver EXCITE | Linear Low Profile

Designation	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V)	Size (mm)	Order No.
LC 25W 100-500mA flexC lp EXC	100-500	20-50	25	yes	220-240	280 x 30 x 21	28000679
LC 50W 100-400mA flexC lp EXC	100-400	50-140	50	no	220-240	280 x 30 x 21	28000680
LC 50W 350-1050mA flexC lp EXC	350-1,050	20-50	50	yes	220-240	360 x 30 x 21	28000681
LC 75W 100-400mA flexC lp EXC	100-400	50-220	75	no	220-240	280 x 30 x 21	28000713
LC 75W 250-550mA flexC lp EXC	250-550	80-220	75	no	220-240	280 x 30 x 21	28001808
LC 75W 350-1050mA flexC lp EXC	350-1,050	40-110	75	no	220-240	280 x 30 x 21	28000683
LC 75W 900-1800mA flexC lp EXC	900-1,800	20-50	75	yes	220-240	360 x 30 x 21	28000684
LC 100W 250-700mA flexC lp EXC	250-700	80-220	100	no	220-240	280 x 30 x 21	28000690

Driver **ADVANCED**

Reliable and straightforward

Positioning in the Tridonic portfolio

ESSENCE

Cost-effective

ADVANCED

Simplicity itself

EXCITE

Flexible

PREMIUM

Convenient

Overview of casing types

Linear Low Profile/Slim



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

Built-in



For spotlights, floor-wall luminaires

Independent



For downlights, spotlights

Stretched Compact



For downlights, spotlights, floor-wall luminaires

The LED Driver ADVANCED series offers the best compromise between attractive price and professional performance. While focusing on the core functionalities, the driver ADVANCED series offers superior quality and performance ensuring a reliable operation of your LED module.

While the LED Driver ADVANCED supports most common LED modules, the series fits perfectly to the LED module SLE series as well as QLE and LLE, guaranteeing an optimal performance and lifetime of your Tridonic LED light engine.

At a glance: Driver ADVANCED

- Constant current and fixed or flexC output built-in LED Driver
- Output current (250–2,450 mA)
- Max. output power (10–150 W)
- Nominal lifetime up to 50,000 h
- Linear Low Profile (lp) and Strain-relief (Independent SR) version provide the flexibility of current setting (Five-Step) and indoor SELV & non-SELV installations
- Linear Low Profile (38, 53, 69, 71W) Version DC operation suitable for emergency lighting using in central battery systems per EN 50172
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Overtemperature-, Overload-, Short-circuit- and No-load protection
- 5-year guarantee

Driver ADVANCED

Driver ADVANCED | Stretched Compact

Designation	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V)	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	87500448
LC 20W 500mA fixC SC ADV	500	20	21.4–44	220–240	83	97 x 43 x 22.5	87500449
ACU SC 43x22.5mm CLIP-ON SR SET (Optional clip-on strain relief set for 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	87500341
LC 30W 700mA fixC SC ADV	700	30	21.4–44	220–240	88	97 x 43 x 30	87500342
LC 35W 700mA fixC SC ADV	700	35	25–50	220–240	88	97 x 43 x 30	87500450
LC 35W 800mA fixC SC ADV	800	35	25–45	220–240	89	97 x 43 x 30	87500343
LC 40W 900mA fixC SC ADV	900	40	25–45	220–240	89	97 x 43 x 30	87500344
LC 47W 1050mA fixC SC ADV	1,050	47	25–45	220–240	89	130 x 43 x 30	87500451
LC 60W 1050mA fixC SC ADV	1,050	47	31–57	220–240	89	150 x 43 x 30	87500452
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.

Designation	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V)	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	87500677
LC 35W 500-800mA flexC SC ADV	500–800	35	25-44	220–240	88	97 x 43 x 30	87500678
LC 40W 800-1050mA flexC SC ADV	800–1,050	40	25-42	220–240	88	97 x 43 x 30	87500679
LC 50W 900-1200mA flexC SC ADV	900–1,200	50	27-44	220–240	90	115 x 43 x 30	87500680
LC 60W 1000-1400mA flexC SC ADV	1,000–1,400	60	27-44	220–240	90	130 x 43 x 30	87500681
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 ADVANCED | Independent

Designation	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V _{ac})	Efficiency (%)	Size (mm)	Order No.
SELV							
LC 20W 350/500/700mA flexC SR ADV	350; 500; 700	20	25–50	220–240	85	101.5 x 51 x 29.5	87500621
LC 35W 350/500mA flexC SR ADV	350; 500	35	35–100	220–240	88	159.4 x 82 x 34	87500622
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	87500623
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	87500624
LC 60W 1050/1200/1400mA flexC SR ADV	1,050; 1,200; 1,400	60	21.5–54	220–240	90.5	159.4 x 82 x 34	87500625

Further details can be found in datasheet.

Driver ADVANCED | Built-in

Designation	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V)	Efficiency (%)	Size (mm)	Order No.
LC 25W 600mA fixC C ADV	600	25	21.4–44	220–240	88	103 x 67 x 29.7	87500345
LC 30W 700mA fixC C ADV	700	30	21.4–44	220–240	88	103 x 67 x 29.7	87500346
LC 35W 800mA fixC C ADV	800	35	25–45	220–240	89	103 x 67 x 29.7	87500347
LC 40W 900mA fixC C ADV	900	40	25–45	220–240	89	103 x 67 x 29.7	87500348

Further details can be found in datasheet.

Driver **ADVANCED**

Reliable and straightforward

Driver **ADVANCED** LCI TEC | Built-in

Designation	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V)	Efficiency (%)	Size (mm)	Order No.
LCI 20W 700mA TEC C	700	20	13-29	220-240	85	93 x 58 x 26.2	87500190
LCI 35W 350mA TEC C	350	35	50-100	220-240	90	103 x 67 x 29.7	87500192
LCI 35W 500mA TEC C	500	35	35-70	220-240	90	103 x 67 x 29.7	87500194
LCI 35W 1050mA TEC C	1,050	35	16.5-33.5	220-240	88	103 x 67 x 29.7	87500198
LCI 42W 1050mA TEC C	1,050	42	20-40	220-240	90	103 x 67 x 29.7	87500247 *(04/18)
LCI 60W 700mA TEC C	700	60	46.5-85.5	220-240	91.5	123 x 75 x 29.7	87500200
LCI 60W 1050mA TEC C	1,050	60	31-57	220-240	90.5	123 x 75 x 29.7	87500202 *(04/18)
LCI 65W 1400mA TEC C	1,400	65	23-46.5	220-240	90	123 x 75 x 29.7	87500204
LCI 65W 1750mA TEC C	1,750	65	18.5-37	220-240	90	123 x 75 x 29.7	87500206

Further details can be found in datasheet.

* Last Order

Driver **ADVANCED** | Linear Low Profile

Designation	Output current (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	87500585
LC 38W 500-700mA flexC Ip ADV	500; 550; 600; 650; 700	38	25-54	220-240	85	280 x 30 x 21	87500498
LC 57W 800-1050mA flexC Ip ADV	800; 850; 900; 950; 1,050	57	25-54	220-240	86	280 x 30 x 21	87500500
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	87500502
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	87500496
LC 38W 350-500mA flexC Ip ADV	350; 375; 400; 450; 500	38	35-75	220-240	88	280 x 30 x 21	87500497
LC 53W 250-350mA flexC Ip ADV	250; 275; 300; 325; 350	53	70-150	220-240	90	280 x 30 x 21	87500499
LC 69W 350-500mA flexC Ip ADV	350; 375; 400; 450; 500	69	60-138	220-240	91	280 x 30 x 21	87500599
LC 71W 250-350mA flexC Ip ADV	250; 275; 300; 325; 350	71	93-217*	220-240	93	280 x 30 x 21	87500501
LC 112W 250-350mA flexC Ip ADV	250; 275; 300; 325; 350	112	143-320	220-240	94	360 x 30 x 21	87500619
LC 165W 400-700mA flexC Ip ADV	400; 450; 500; 600; 700	165	143-320	220-240	94	360 x 30 x 21	87500620

Further details can be found in datasheet. *For 350mA, the max voltage is 204 V

Designation	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V _{ac})	SELV	Efficiency (%)	Size (mm)	Order No.
LC 35W 250mA fixC Ip ADV	250	35	47-140	220-240	no	90	280 x 30 x 21	87500453
LC 35W 300mA fixC Ip ADV	300	35	47-117	220-240	no	89	280 x 30 x 21	87500454
LC 35W 350mA fixC Ip ADV	350	35	45-100	220-240	no	89	280 x 30 x 21	87500455
LC 65W 250mA fixC Ip ADV	250	65	112-250	220-240	no	93	280 x 30 x 21	87500456
LC 65W 300mA fixC Ip ADV	300	65	97-217	220-240	no	92	280 x 30 x 21	87500457
LC 65W 350mA fixC Ip ADV	350	65	83-186	220-240	no	92	280 x 30 x 21	87500458

Further details can be found in datasheet.



Driver **ADVANCED** phase-cut

Economic dimming convenience

Product Portfolio – Overview

Constant current LED Driver dimmable via phase-cut



Perfect system solution with LED module SLE and CLE

Constant current LED Driver dimmable via phase-cut and selectable current



Perfect system solution with LED module SLE and CLE

Constant current LED Driver dimmable via phase-cut and 1-10 V



Perfect system solution with LED module SLE and CLE

The LED Driver ADVANCED product series provides dimming convenience for spotlight applications and accent lighting and decorative lighting of offices, retail spaces, hotels and restaurants, exhibition halls or museums.

The LED Driver series also enables the simple upgrading from inefficient low voltage halogen lamps to modern LED modules and retrofit lamps – with the existing infrastructure as well.

Tridonic offers a matched system with its own SLE and CLE modules, but the LED drivers can also be used with other LED modules. All the LED drivers meet SELV requirements, are available as versions for installation or separate mounting and offer economical dimming.

At a glance: Driver BASIC phase-cut

- Constant current LED Driver
- Dimmable via phase-cut
- Typ. dimming range 5–100 % (depending on dimmer)
- Nominal life-time up to 50,000 h
- SELV
- 5 years guarantee

At a glance: Driver ADVANCED phase-cut

- 22 mm housing height for shallow suspended ceilings and small ceiling cut-out holes
- New improved strain relief
- Low noise in connection with phase-cut

At a glance: Driver ADVANCED phase-cut/1-10 V

- Constant current LED Driver
- Dimmable via phase-cut
- Dimmable via 1..10 V
- Typ. Dimming range 10–100 % (depending on dimmer)
- Nominal life-time up to 50,000 h
- SELV
- 5 years guarantee

Driver **ADVANCED** phase-cut

Constant current LED Driver dimmable via phase-cut

LED Driver potted	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V)	Size (mm)	Order No.
LCBI 8W 350mA BASIC PHASE-CUT SR ADV	350	8	25	220-240	102 x 51 x 30	87500321
LCBI 15W 350mA BASIC PH-CUT SR ADV	350	15	35	220-240	102 x 51 x 30	87500386
LCBI 15W 500mA BASIC PHASE-CUT SR ADV	500	15	24	220-240	102 x 51 x 30	87500320
LCBI 14W 700mA BASIC PH-CUT SR ADV	700	14	51	220-240	102 x 51 x 30	87500387

LED Driver non-potted	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V)	Size (mm)	Order No.
LCBI 15W 350mA BASIC phase-cut lp	350	15	21-46	220-240	139 x 30 x 21	89800255
LCBI 15W 500mA BASIC phase-cut lp	500	15	13.5-30	220-240	139 x 30 x 21	89800256
LCBI 15W 700mA BASIC phase-cut lp	700	15	10-21.5	220-240	139 x 30 x 21	89800257
LCA 10W 450mA phase-cut 22mm SR ADV	450	10	15-22	220-240	101.5 x 51 x 22	87500406
LCA 18W 450mA phase-cut 22mm SR ADV	450	18	30-39	220-240	101.5 x 51 x 22	87500407
LCBI 25W 700mA BASIC phase-cut SR	700	25	16-35	220-240	145 x 51 x 29.5	89800307

NEW	LED Driver non-potted flexC	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V)	Size (mm)	Order No.
	LCA 15W 180-350mA flexC PH-C SR ADV	180; 250; 350	7.6-15.0	60	220-240	101.5 x 51 x 29.5	87500627
	LCA 21W 300-500mA flexC PH-C SR ADV	300; 450; 500	12.6-21.0	60	220-240	101.5 x 51 x 29.5	87500603
	LCA 44W 700-1050mA flexC PH-C SR ADV	700; 1,050	34-50	60	220-240	139 x 68 x 31	87500605

Constant current LED Driver dimmable via phase-cut and 1-10 V

Description	Output current (mA)	Output power (W)	Output voltage range (V)	Input voltage (V)	Size (mm)	Order No.
LCBI 10W 180mA phase-cut/1-10 V SR	180	10	21-46	220-240	102 x 51 x 30	87500273
LCBI 10W 350mA phase-cut/1-10 V SR	350	10	13.5-30	220-240	102 x 51 x 30	87500274
LCBI 10W 500mA phase-cut/1-10 V SR	500	15	10-21.5	220-240	102 x 51 x 30	87500275
LCBI 20W 350mA phase-cut/1-10 V SR*	350	20	27-54	220-240	102 x 51 x 30	87500276
LCBI 20W 500mA phase-cut/1-10 V SR*	500	20	19-38	220-240	102 x 51 x 30	87500277

*no ENEC certification

Driver ESSENCE

Attractive price in proven Tridonic quality

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



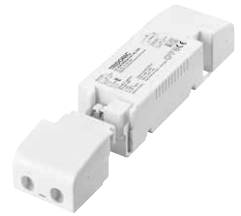
For spotlights, downlights, track lights and 2.5 mm input terminal

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

Driver 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.

Driver ESSENCE

Driver ESSENCE | Stretched Compact

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 Profil

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

Further details can be found in datasheet.



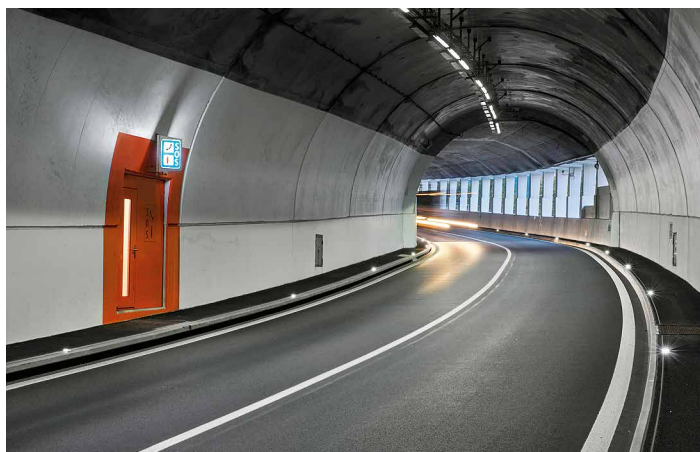
Tridonic systems in use

Schallberg tunnel, Switzerland



Following its general renovation the 500 m long Schallberg tunnel can be seen in a new light. The luminaires were developed by the Swiss tunnel lighting specialists Rigamonti and equipped with LED components from Tridonic. The result is high-performance lighting system that offers a high level of visual comfort and has a positive effect on the sense of safety among vehicle drivers.

The Schallberg tunnel with its new lighting is now bright and inviting. A total of 100 transition zone luminaires and 150 interior zone luminaires from Swiss tunnel lighting specialist Rigamonti in combination with the white reflective tunnel walls create a pleasant atmosphere. The “inner workings” of the luminaires come from Tridonic. And the emergency lights on the walls, the escape route lights, the escape route indicators and the escape exit signs are all equipped with LED components from Tridonic.



Tridonic products used

- Module LLE EXCITE
- Module RLE outdoor
- Driver PREMIUM outdoor



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.

