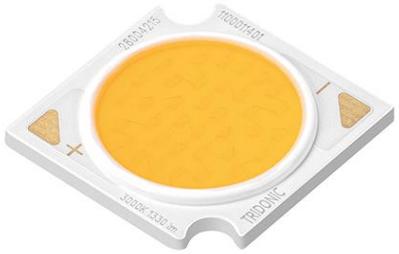
TRIDONIC

Module SLE SNC8

Modules SLE essence



Product description
_ For spotlights and downlights
_ For operating with SELV Driver suitable
_ Excellent thermal management by COB technology
_ Uniform radiation with Dam&Fill technology
_ Cooling required
_ Flexible operating mode
_ HE ... High Efficiency, NM ... Nominal Mode, HO ... High Output
_ Long lifetime: 60,000 hours
_ 5 years guarantee (conditions at https://www.tridonic.com/manufacturer-guarantee-conditions)

Optical properties
_ Colour temperatures 3,000, 3,500 and 4,000 K
_ Useful luminous flux 3,200 lm at Irated and tp = 25 °C
_ Efficacy of the LED module 176 lm/W at Irated and tp = 25 °C
_ High colour rendering index CRI > 80 and CRI > 90
_ Small colour tolerance (MacAdam 3)

Mechanical properties
_ Module dimension LES06, LES09 and LES15
_ Fixing holes for M2 or M3 screws

System solution
_ Combine Tridonic's LED modules and dimmable drivers to achieve an outstanding system efficacy (configuration possible via https://setbuilder.tridonic.com/)

Website
http://www.tridonic.com/28004231

Spotlights | Downlights | Linear | Area | Floor | Wall | Free-standing | Street | Decorative | High bay

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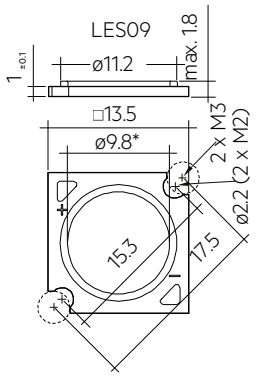
The complete data sheet for this product is available in the Downloads section.



Ordering data

Type	Article number	Colour temperature	Colour rendering index CRI	Packaging, carton	Weight per pc.
SLE 09mm – 2000lm					
SLE 09mm 2000lm 935 R SNC8	**28004231**	3,500 K	>90	250 pc(s).	–

Technical data

Beam characteristic	115°
Ambient temperature ta	-40 … +105 °C
tp rated	85 °C
tc for LES06 ①	105 °C
tc for LES09/15 ①	115 °C
Irated for LES06 1000lm	300 mA
Irated for LES09 1500lm	270 mA
Irated for LES09 2000lm	360 mA
Irated for LES15 2000lm	450 mA
Irated for LES15 3000lm	540 mA
Imax for LES06 1000lm ①	380 mA
Imax for LES09 1500lm ①	540 mA
Imax for LES09 2000lm ①	720 mA
Imax for LES15 2000lm ①	900 mA
Imax for LES15 3000lm ①	1,080 mA
Max. permissible LF current ripple for LES06 1000lm	420 mA
Max. permissible LF current ripple for LES09 1500lm	600 mA
Max. permissible LF current ripple for LES09 2000lm	800 mA
Max. permissible LF current ripple for LES15 2000lm	1,000 mA
Max. permissible LF current ripple for LES15 3000lm	1,200 mA
Max. permissible peak current for LES06 1000lm	760 mA / max. 8 ms
Max. permissible peak current for LES09 1500lm	1,080 mA / max. 8 ms
Max. permissible peak current for LES09 2000lm	1,440 mA / max. 8 ms
Max. permissible peak current for LES15 2000lm	1,800 mA / max. 8 ms
Max. permissible peak current for LES15 3000lm	2,160 mA / max. 8 ms
Max. working voltage for insulation SELV ②	< 60 V
Insulation test voltage	0.5 kV
CTI of the printed circuit board	≤ 600
ESD classification	Severity level 1
Risk group (IEC 62471) for LES06 (1000lm) at Imax	RG2 (Ethr = 1880 lx, RG1 at d ≥ 580 mm)
Risk group (IEC 62471) for LES06 (1000lm) at I ≤ 328 mA	RG1
Risk group (IEC 62471) for LES09 (1500lm) at Imax	RG1
Risk group (IEC 62471) for LES09 (2000lm) at Imax	RG2 (Ethr = 1660 lx, RG1 at d ≥ 880 mm)
Risk group (IEC 62471) for LES09 (2000lm) at I ≤ 674 mA	RG1
Risk group (IEC 62471) for LES15 (2000lm) at Imax	RG1
Risk group (IEC 62471) for LES15 (3000lm) at Imax	RG1
Classification acc. to IEC 62031	Built-in
Type of protection	IP00
Lumen maintenance L70B50	60,000 h
Guarantee (conditions at www.tridonic.com)	5 Year(s)

Approval marks

Standards

EN 62031, EN 62471, IEC 62717, IEC 61000-4-2

Specific technical data

Type	Article number	Photometric code	Useful luminous flux at tp = 25 °C ③	Expected luminous flux at tp rated ④	Typ. forward current	Min. forward voltage at tp rated	Max. forward voltage at tp = 25 °C	Power consumption Pon at tp = 25 °C ⑤	Efficacy of the module at tp = 25 °C	Expected efficacy of the module at tp rated	Colour rendering index CRI
SLE 09mm 2000lm – Operating mode HE at 250 mA											
SLE 09mm 2000lm 935 R SNC8	**28004231**	935/359	–	1,161 lm	250 mA	30.4 V	36.9 V	–	–	141 lm/W	>90
SLE 09mm 2000lm – Operating mode NM at 360 mA											
SLE 09mm 2000lm 935 R SNC8	**28004231**	935/359	1,795 lm	1,635 lm	360 mA	31.2 V	37.8 V	12.6 W	143 lm/W	134 lm/W	>90
SLE 09mm 2000lm – Operating mode HO at 600 mA											
SLE 09mm 2000lm 935 R SNC8	**28004231**	935/359	–	2,534 lm	600 mA	32.9 V	39.5 V	–	–	118 lm/W	>90

① See derating curves in data sheet section 2.3.
② The detailed explanation, see data sheet section 3.1.
③ Tolerance of useful light flux - 0 % / + 15 %. Measurement uncertainty ± 10 %.
④ Tolerance of expected light flux - 0 % / + 15 %. Measurement uncertainty ± 10 %. Based on calculation.
⑤ Tolerance of power consumption Pon ± 10 %. Measurement uncertainty ± 5 %.