

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 www.tridonic.com)

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

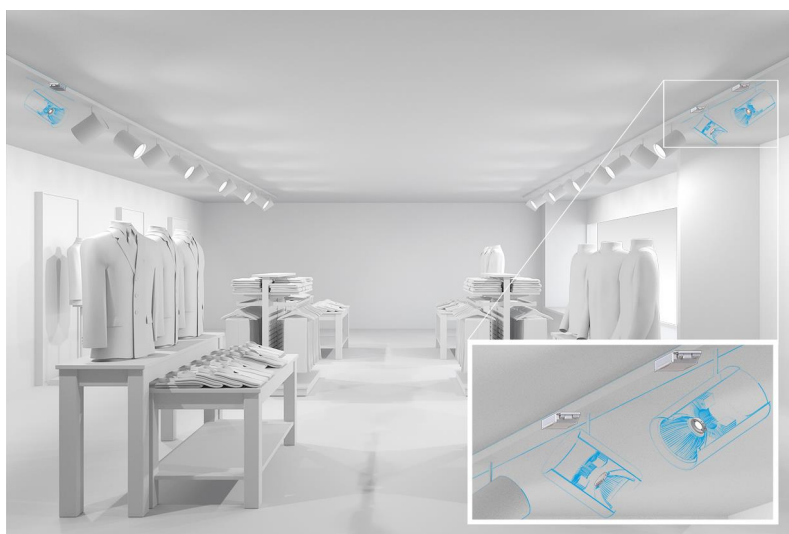
- _ Module dimension LES06, LES09 and LES15
- _ Fixing holes for M2 or M3 screws

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/28004212>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative

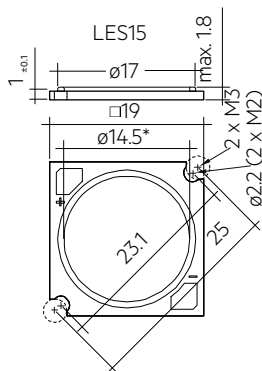


High bay

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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 15mm – 3000lm					
SLE 15mm 3000lm 940 R SNC8	28004212	4,000 K	>90	125 pc(s).	0.001 kg

Technical data

Beam characteristic	115°
Ambient temperature t_a	-40 ... +105 °C
t_p rated	85 °C
t_c for LES06 ^①	105 °C
t_c for LES09/15 ^①	115 °C
I _{rated} for LES06 1000lm	300 mA
I _{rated} for LES09 1500lm	270 mA
I _{rated} for LES09 2000lm	360 mA
I _{rated} for LES15 2000lm	450 mA
I _{rated} for LES15 3000lm	540 mA
I _{max} for LES06 1000lm ^①	380 mA
I _{max} for LES09 1500lm ^①	540 mA
I _{max} for LES09 2000lm ^①	720 mA
I _{max} for LES15 2000lm ^①	900 mA
I _{max} 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 I _{max}	RG2 (E _{thr} = 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 I _{max}	RG1
Risk group (IEC 62471) for LES09 (2000lm) at I _{max}	RG2 (E _{thr} = 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 I _{max}	RG1
Risk group (IEC 62471) for LES15 (3000lm) at I _{max}	RG1
Classification acc. to IEC 62031	Built-in
Type of protection	IP00
Lumen maintenance L70B50	60,000 h
Guarantee	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 $t_p = 25\text{ °C}$	Expected luminous flux at t_p rated ^⑤	Typ. forward current	Min. forward voltage at t_p rated	Max. forward voltage at $t_p = 25\text{ °C}$	Power consumption P_{on} at $t_p = 25\text{ °C}$ ^⑤	Efficacy of the module at $t_p = 25\text{ °C}$	Expected efficacy of the module at t_p rated	Colour rendering index CRI
SLE 15mm 3000lm – Operating mode HE at 400 mA											
SLE 15mm 3000lm 940 R SNC8	28004212	940/359	–	1,962 lm	400 mA	30.4 V	36.9 V	–	–	147 lm/W	>90
SLE 15mm 3000lm – Operating mode NM at 540 mA											
SLE 15mm 3000lm 940 R SNC8	28004212	940/359	2,581 lm	2,827 lm	540 mA	31.2 V	37.8 V	18.8 W	150 lm/W	141 lm/W	>90
SLE 15mm 3000lm – Operating mode HO at 900 mA											
SLE 15mm 3000lm 940 R SNC8	28004212	940/359	–	4,001 lm	900 mA	32.9 V	39.5 V	–	–	125 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 P_{on} ± 10 %. Measurement uncertainty ± 5 %.