

Engine SLA AC G2 50mm SNC

Engine SLA essence

**Product description**

- _ Fits in most existing MR16 / GU10 halogen luminaires
- _ 10 W LED Equivalent to 50 W MR16 halogen with higher lumen output
- _ Perfect solution for MR16 / GU10 replacement project
- _ Module with integrated electronic, heatsink and optics
- _ Compatible with leading and trailing edge phase cut dimmers
- _ Dimming range 0.1 to 100 % (depends on dimmer)
- _ Eye-catching lens optic with mirrors halogen facettes
- _ Long lifetime: L70B50 >50,000 h at $t_p = 75\text{ }^\circ\text{C}$
- _ 5 years guarantee

Optical properties

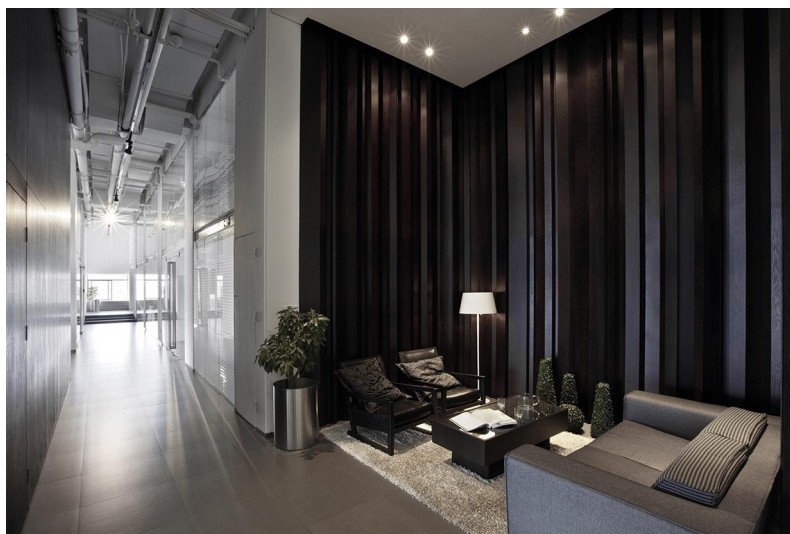
- _ Colour temperatures 2,700, 3,000 and 4,000 K
- _ Useful luminous flux 758 lm at $t_p = 75\text{ }^\circ\text{C}$
- _ Efficacy of the LED module 80 lm/W at $t_p = 75\text{ }^\circ\text{C}$
- _ Higher CRI, typical $R_a = 92$
- _ Small colour tolerance (MacAdam 3)
- _ Beam Angle: spot degree ($12^\circ / 24^\circ$) or downlight (36°)

Mechanical properties

- _ Module dimension $\varnothing 49,6 \times 75,5\text{ mm}$
- _ Mounting with mounting ring, see accessories

Website

<http://www.tridonic.com/28002834>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative

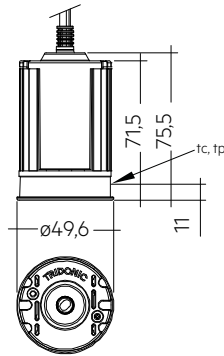


High bay

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



Ordering data

Type	Article number	Colour temperature	Packaging	Weight per pc.
SLA AC pc G2 50mm 700lm 940 12D SNC	28002834	4,000 K	80 pc(s).	0.172 kg

Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Mains frequency	50 / 60 Hz
Input current (at 230 V, 50 Hz)	45 mA
λ (at 230 V, 50 Hz)	$\geq 0.9C$
THD	23 %
Flicker	< 20 %
Output LF current ripple (< 120 Hz)	< 20 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Output P_ST_LM (at full load)	≤ 1
Output SVM (at full load)	≤ 0.4
Ambient temperature t_a	-20 ... +40 °C
t_p rated	75 °C
t_c	90 °C
ESD classification of LED module	Severity level 2
Risk group (IEC 62471)	RG1
Classification acc. to IEC 62031	Independent
Type of protection	IP20
Lumen maintenance L70B50	50,000 h
Guarantee	5 Year(s)

Approval marks



Standards

EN 62031, EN 62471, EN 61547, EN 55015, EN 60598-1, EN 60598-2-2, EN 61000-3-2, EN 61000-3-3

Specific technical data

Type	Photometric code	Useful luminous flux at $t_p = 75$ °C	Peak luminous intensity at $t_p = 75$ °C	Beam characteristic	Power consumption P_{on} at $t_p = 75$ °C	Efficacy of the module at $t_p = 75$ °C	Colour rendering index CRI
SLA AC pc G2 50mm 700lm 940 12D SNC	940/359	758 lm	5,191 cd	12°	9.5 W	80 lm/W	> 90

① Tolerance of useful light flux - 0 % / + 15 %. Measurement uncertainty ± 10 %.

- ② Tolerance of peak luminous intensity - 0 % / + 15 %. Measurement uncertainty \pm 10 %.
- ③ Tolerance of power consumption P_{on} \pm 10 %. Measurement uncertainty \pm 5 %.