

Module LLE 16mm 1250lm CRI90 HV ADV6

Modules LLE advanced

**Product description**

- _ Ideal for compact linear luminaire designs
- _ Homogenous illumination thanks to small package distance
- _ 2 terminals for serial wiring
- _ Perfectly uniform light, even if several LED modules are used together in a line
- _ Push terminals for quick and simple wiring of LED module to LED module
- _ Min. order quantity LLE 16x70mm QTY4: 36 pcs. The LLE 16x70mm QTY4 module contains 4 single 16x70mm modules which have to be separated.
- _ HE ... High Efficiency, NM ... Nominal Mode, HO ... High Output
- _ Long lifetime up to 72,000 hours
- _ 5 years guarantee (conditions at www.tridonic.com)

Optical properties

- _ Colour temperatures 2,700, 3,000, 3,500 and 4,000 K
- _ Useful luminous flux 1,041 lm at Irated and tp = 25 °C
- _ Efficacy of the LED module 173 lm/W at Irated and tp = 25 °C
- _ High colour rendering index CRI > 90
- _ High colour consistency (MacAdam 3) ^①
- _ Small luminous flux tolerances

Mechanical properties

- _ Module dimension 16 x 70 mm, 16 x 140 mm, 16 x 280 mm and 16 x 560 mm
- _ Simple installation via clips or screws

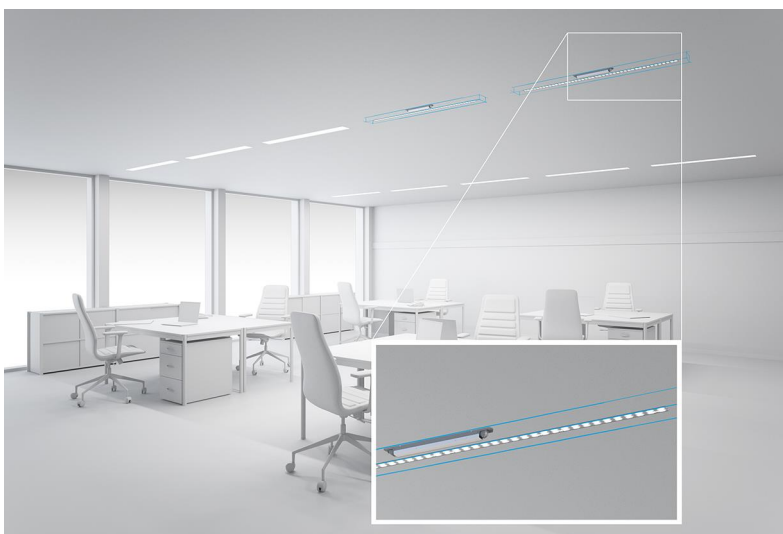
System solution

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

^① Integral measurement over the complete module.

Website

<http://www.tridonic.com/28005009>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative

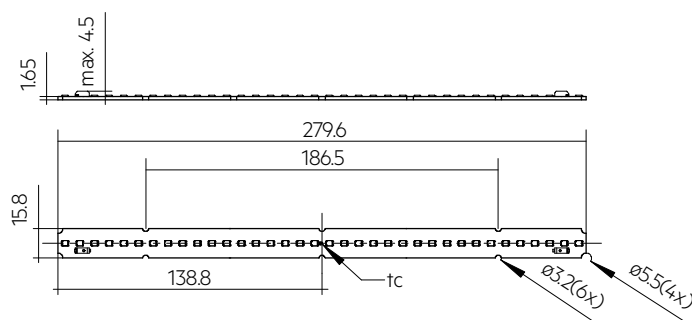


High bay

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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, carton	Weight per pc.
LLE 16x280mm 1250lm 940 HV ADV6	28005009	4,000 K	144 pc(s).	0.014 kg

Technical data

Beam characteristic	360°
Ambient temperature t_a	-40 ... +65 °C
t_p rated	50 °C
t_c	85 °C
I_{rated}	275 mA
I_{max}	700 mA
Max. permissible LF current ripple	800 mA
Max. permissible peak current	1.350 mA / max. 10 ms
Max. working voltage for insulation [®]	440 V
Insulation test voltage	1.88 kV
ESD classification	Severity level 2
Risk group (IEC 62471)	RG1 (> 280 – 700 mA (I_{max})), RGO ($\leq$ 280 mA)
Classification acc. to IEC 62031	Built-in
Type of protection	IP00
Lumen maintenance L70B50	72,000 h
Guarantee (conditions at www.tridonic.com)	5 Year(s)

Approval marks**Standards**

IEC 62031, IEC 62471, IEC 61000-4-2, IEC 62778, IEC 61547

Specific technical data

Type	Article number	Photometric code ^②	Useful luminous flux at tp = 25 °C ^④	Expected luminous flux at tp rated ^⑤	Typ. forward current	Min. forward voltage at tp rated	Max. forward voltage at tp = 25 °C	Power consumption Pon at tp = 25 °C ^⑥	Efficacy of the module at tp = 25 °C	Expected efficacy of the module at tp rated	Colour rendering index CRI
Operating mode HE											
LLE 16x280mm 1250lm 940 HV ADV6	28005009	940/359	–	370 lm	100 mA	20.2 V	22.0 V	–	–	175 lm/W	>90
Operating mode NM											
LLE 16x280mm 1250lm 940 HV ADV6	28005009	940/359	1,041 lm	999 lm	275 mA	20.9 V	22.7 V	6.1 W	172 lm/W	166 lm/W	>90
Operating mode HO											
LLE 16x280mm 1250lm 940 HV ADV6	28005009	940/359	–	2,075 lm	600 mA	21.9 V	23.8 V	–	–	151 lm/W	>90

② If mounted with M3 screws with 6 mm head diameter and plastic washer.

③ The detailed explanation, see data sheet section 1.1.

④ Tolerance of useful light flux - 0 % / + 15 %. Measurement uncertainty ± 10 %.

⑤ Measurement uncertainty ± 10 %. Based on calculation.

⑥ Tolerance of power consumption Pon ± 10 %. Measurement uncertainty ± 5 %.