

Module LLE 16mm 1250lm CRI90 HV ADV5

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
- _ HE ... High Efficiency, NM ... Nominal Mode, HO ... High Output
- _ Min. order quantity LLE 16x70mm 325lm 9xx HV ADV5 QTY4: 32 pcs. The LLE 16x70mm 325lm 9xx HV ADV5 module contains 4 single 16x70mm modules which have to be separated.
- _ Long lifetime up to 72,000 hours
- _ 5 years guarantee (conditions at www.tridonic.com)

Optical properties

- _ Colour temperatures 2,700, 3,000 and 4,000 K
- _ Useful luminous flux 2,152 lm at Irated and tp = 25 °C
- _ Efficacy of the LED module 164 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 140 mm, 16 x 280 mm and 16 x 560 mm
- _ Simple installation via clips or screws

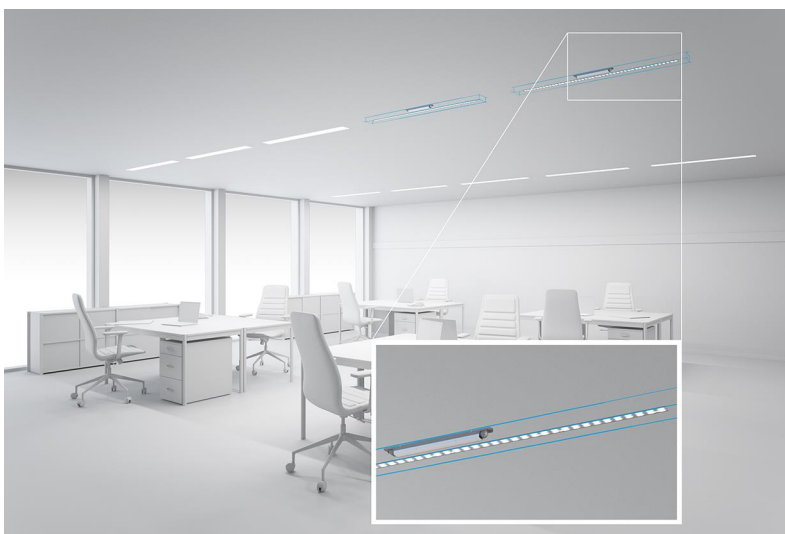
System solution

- _ 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/28004010>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative

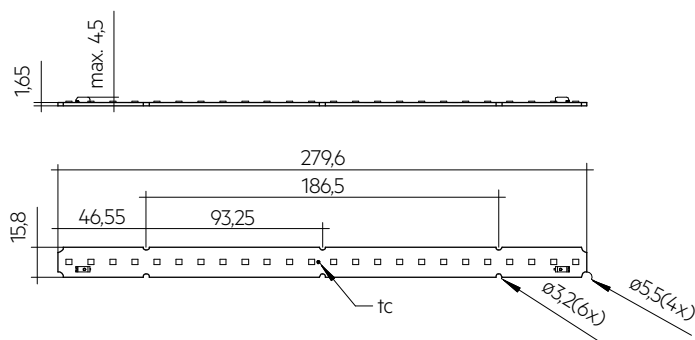


High bay

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

**Ordering data**

Type	Article number	Article status	Colour temperature	Packaging, carton	Weight per pc.
LLE 16x280mm 1250lm 940 HV ADV5	28004010	Standard	4,000 K	216 pc(s).	0.014 kg
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Technical data

Beam characteristic	120°
Ambient temperature t_a	-40 ... +65 °C
t_p rated	50 °C
t_c	85 °C
I_{rated}	300 mA
I_{max}	540 mA
Max. permissible LF current ripple	595 mA
Max. permissible peak current	900 mA / max. 8 ms
Max. working voltage for insulation [®]	400 V
Insulation test voltage	1.8 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 4
Risk group (IEC 62471) at ≤ 470 mA	RG0
Risk group (IEC 62471) at I_{max}	RG1
Classification acc. to IEC 62031	Built-in
Type of protection	IP00
Lumen maintenance L70B50	72,000 h
Guarantee	5 Year(s)

Approval marks**Standards**

IEC 62031, IEC 62471, IEC 61000-4-2, IEC 62778, IEC 61547, UL 8750

Specific technical data

Type	Article number	Photometric code	Useful luminous flux at $t_p = 25^\circ\text{C}$ ^③	Expected luminous flux at t_p rated ^④	Typ. forward current	Min. forward voltage at t_p rated	Max. forward voltage at $t_p = 25^\circ\text{C}$	Power consumption P_{on} at $t_p = 25^\circ\text{C}$ ^⑤	Efficacy of the module at $t_p = 25^\circ\text{C}$	Expected efficacy of the module at t_p rated	Colour rendering index CRI
Operating mode HE at 200 mA											
LLE 16x280mm 1250lm 940 HV ADV5	28004010	940/359	-	728 lm	200 mA	20.4 V	22.7 V	-	-	168 lm/W	> >90
LLE 16x280mm 1250lm 940 HV ADV5	28004010	940/359	-	728 lm	200 mA	20.4 V	22.7 V	-	-	168 lm/W	> >90
Operating mode NM at 300 mA											
LLE 16x280mm 1250lm 940 HV ADV5	28004010	940/359	1,080 lm	1,050 lm	300 mA	20.8 V	23.1 V	6.7 W	161 lm/W	158 lm/W	> >90
LLE 16x280mm 1250lm 940 HV ADV5	28004010	940/359	1,080 lm	1,050 lm	300 mA	20.8 V	23.1 V	6.7 W	161 lm/W	158 lm/W	> >90
Operating mode HO at 500 mA											
LLE 16x280mm 1250lm 940 HV ADV5	28004010	940/359	-	1,684 lm	500 mA	21.5 V	23.8 V	-	-	148 lm/W	> >90
LLE 16x280mm 1250lm 940 HV ADV5	28004010	940/359	-	1,684 lm	500 mA	21.5 V	23.8 V	-	-	148 lm/W	> >90

② If mounted with M3 screws and plastic washers.

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 %.