

**Module LLE 24mm 2000lm HV ADV6**

Modules LLE advanced

**Product description**

- \_ Ideal for linear and panel lights
- \_ 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
- \_ Option backside terminal
- \_ Broad portfolio from extruded lenses and covers available
- \_ HE ... High Efficiency, NM ... Nominal Mode, HO ... High Output
- \_ Long lifetime up to 72,000 hours
- \_ 5 years guarantee (conditions at <https://www.tridonic.com/manufacture-guarantee-conditions>)

**Optical properties**

- \_ Colour temperatures 2,700, 3,000, 4,000, 5,000 and 6,500 K
- \_ Useful luminous flux 4,050 lm at Irated and tp = 25 °C
- \_ Efficacy of the LED module 203 lm/W at Irated and tp = 25 °C
- \_ High colour rendering index CRI > 80
- \_ High colour consistency (MacAdam 3) <sup>①</sup>
- \_ Small luminous flux tolerances

**Mechanical properties**

- \_ Module dimension 24 x 280 mm and 24 x 560 mm (ZHAGA compliant)
- \_ Simple installation via clips or screws

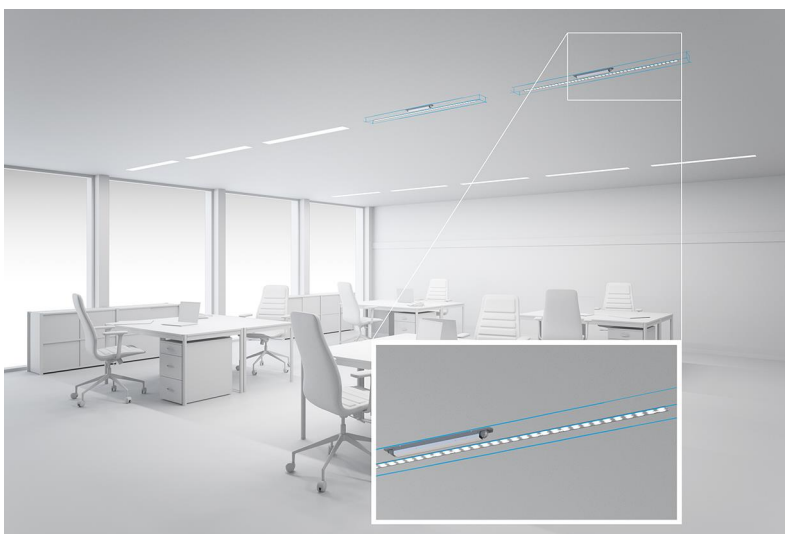
**System solution**

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

<sup>①</sup> Integral measurement over the complete module.

**Website**

<http://www.tridonic.com/28004903>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative

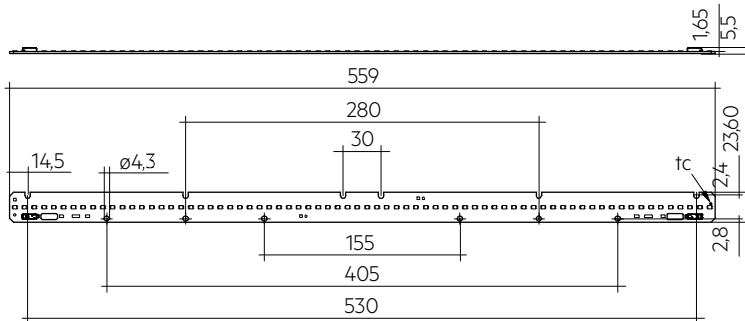


High bay

**Module LLE 24mm 2000lm HV ADV6**

Modules LLE advanced

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 24x560mm 4000lm 840 HV ADV6	28004903	4,000 K	108 pc(s).	0.041 kg

**Technical data**

Beam characteristic	120°
Ambient temperature $t_a$	-40 ... +65 °C
$t_p$ rated	50 °C
$t_c$	95 °C
$I_{rated}$	300 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 <sup>®</sup>	350 V
Insulation test voltage	1,7 kV
ESD classification	Severity level 2
Risk group (IEC 62471)	RG1 (> 208 – 700 mA ( $I_{max}$ )), RGO ( $\leq$ 208 mA)
Classification acc. to IEC 62031	Built-in
Type of protection	IP00
Lumen maintenance L70B50	72,000 h
Guarantee (conditions at <a href="http://www.tridonic.com">www.tridonic.com</a> )	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 <sup>②</sup>	Useful luminous flux at tp = 25 °C <sup>④</sup>	Expected luminous flux at tp rated <sup>⑤</sup>	Typ. forward current	Min. forward voltage at tp rated	Max. forward voltage at tp = 25 °C	Power consumption Pon at tp = 25 °C <sup>⑥</sup>	Efficacy of the module at tp = 25 °C	Expected efficacy of the module at tp rated	Colour rendering index CRI
<b>Operating mode HE</b>											
LLE 24x560mm 4000lm 840 HV ADV6	28004903	840/359	-	1,324 lm	100 mA	60.5 V	65.9 V	-	-	209 lm/W	>80
<b>Operating mode NM</b>											
LLE 24x560mm 4000lm 840 HV ADV6	28004903	840/359	4,050 lm	3,887 lm	300 mA	63.0 V	68.4 V	19.9 W	203 lm/W	197 lm/W	>80
<b>Operating mode HO</b>											
LLE 24x560mm 4000lm 840 HV ADV6	28004903	840/359	-	7,422 lm	600 mA	65.8 V	71.3 V	-	-	180 lm/W	>80

② If mounted with M4 screws with 7 mm head diameter.

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 %.