

**Module LLE 24mm 2000lm HV ADV5**

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
- \_ Broad portfolio from extruded lenses and covers available
- \_ Long life-time up to 72,000 hours
- \_ 5-year guarantee

**Optical properties**

- \_ Colour temperatures 3,000, 4,000, 5,000 and 6,500 K
- \_ Typ. luminous flux 2,000 and 4,000 lm
- \_ Efficacy of the module up to 207 lm/W
- \_ 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

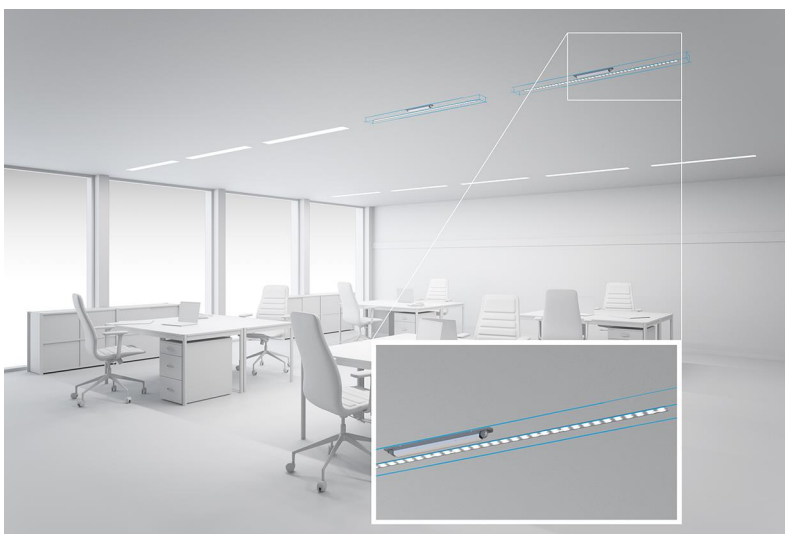
**System solution**

- \_ LED system solution with outstanding system efficacy up to 184 lm/W, consisting of linear LED module and dimmable LED Driver LCA 50W 100 – 400mA Ip PRE

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

**Website**

<http://www.tridonic.com/89603242>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative

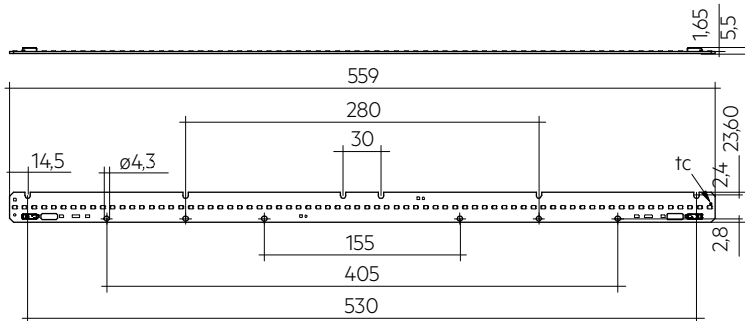


High bay

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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 24x560mm 4000lm 840 HV ADV5	89603242	4,000 K	180 pc(s).	0.046 kg

**Technical data**

Beam characteristic	120°
Ambient temperature range	-40 ... +65 °C
tp rated	65 °C
tc	95 °C
Irated	325 mA
I <sub>max</sub>	540 mA
Max. permissible LF current ripple	595 mA
Max. permissible peak current	900 mA / max. 10 ms
Max. working voltage for insulation <sup>®</sup>	320 V
Insulation test voltage	1.64 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 4
Risk group (IEC 62471) at ≤ 310 mA	RG0
Risk group (IEC 62471) at I <sub>max</sub>	RG1
Classification acc. to IEC 62031	Built-in
Type of protection	IP00
Life-time	up to 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 <sup>®</sup>	Article number	Photometric code	Typ. luminous flux at tp = 25 °C <sup>②</sup>	Typ. luminous flux at tp = 65 °C <sup>②</sup>	Typ. forward current	Min. forward voltage at tp = 65 °C <sup>②</sup>	Max. forward voltage at tp = 25 °C <sup>②</sup>	Typ. power consumption at tp = 65 °C <sup>②</sup>	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C	Efficacy of the system at tp = 65 °C	Colour rendering index CRI
<b>Operating mode HE at 200 mA</b>												
LLE 24x560mm 4000lm 840 HV ADV5	89603242	840/359	2,690 lm	2,570 lm	200 mA	61.8 V	67.3 V	12.9 W	206 lm/W	199 lm/W	183 lm/W	> 80
<b>Operating mode HE at 250 mA</b>												
LLE 24x560mm 4000lm 840 HV ADV5	89603242	840/359	3,310 lm	3,220 lm	250 mA	62.7 V	67.9 V	16.4 W	201 lm/W	197 lm/W	181 lm/W	> 80
<b>Operating mode HE at 275 mA</b>												
LLE 24x560mm 4000lm 840 HV ADV5	89603242	840/359	3,570 lm	3,480 lm	275 mA	63.0 V	68.2 V	18.1 W	197 lm/W	193 lm/W	178 lm/W	> 80
<b>Operating mode NM at 325 mA</b>												
LLE 24x560mm 4000lm 840 HV ADV5	89603242	840/359	4,180 lm	3,990 lm	325 mA	63.3 V	68.8 V	21.5 W	192 lm/W	186 lm/W	171 lm/W	> 80
<b>Operating mode HO at 350 mA</b>												
LLE 24x560mm 4000lm 840 HV ADV5	89603242	840/359	4,480 lm	4,370 lm	350 mA	63.8 V	69.1 V	23.3 W	191 lm/W	187 lm/W	172 lm/W	> 80
<b>Operating mode HO at 400 mA</b>												
LLE 24x560mm 4000lm 840 HV ADV5	89603242	840/359	5,150 lm	5,010 lm	400 mA	64.4 V	69.6 V	26.9 W	190 lm/W	186 lm/W	171 lm/W	> 80
<b>Operating mode HO at 500 mA</b>												
LLE 24x560mm 4000lm 840 HV ADV5	89603242	840/359	6,250 lm	5,970 lm	500 mA	65.1 V	70.6 V	34.0 W	182 lm/W	176 lm/W	162 lm/W	> 80

② If mounted with M4 screws and plastic washers.

③ HE ... High Efficiency, NM ... Nominal Mode, HO ... High Output.

④ Tolerance range for optical and electrical data: ±10 %.

⑤ Measurement tolerance optical data: ±5 %.

⑥ Measurement tolerance forward voltage: ±0.1 V.