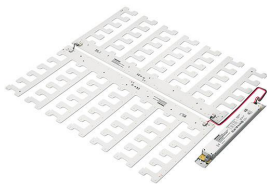


Module QLE G2 520x246mm 2500lm ADV-SE

Modules QLE advanced



Complete system

Product description

- _ Ideal for linear and panel lights
- _ Perfectly uniform light, even if several LED modules are used together in a line
- _ Self-cooling (no additional heat sink required)
- _ Push terminals for quick and simple wiring of LED module to LED module
- _ Long lifetime: 50,000 hours
- _ 5 years guarantee

Optical properties

- _ Colour temperatures 3,000, 4,000, 5,000 and 6,500 K
- _ Luminous flux range from 1,890 – 3,500 lm
- _ Efficacy of the module up to 183 lm/W
- _ High colour rendering index CRI > 80
- _ Small colour tolerance (MacAdam 3) ^①
- _ Small luminous flux tolerances

Mechanical properties

- _ Module dimension 520 x 246 mm
- _ Simple installation (e.g. screws)

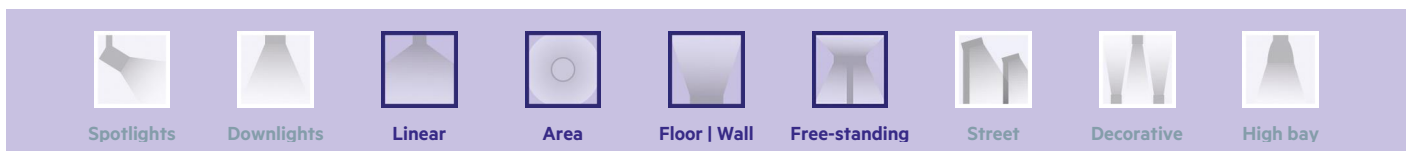
System solution

- _ LED system solution with outstanding system efficacy up to 165 lm/W, consisting of squared LED module and dimmable LED Driver LCA 50 W 100 – 400 mA Ip PRE

^① Integral measurement over the complete module.

Website

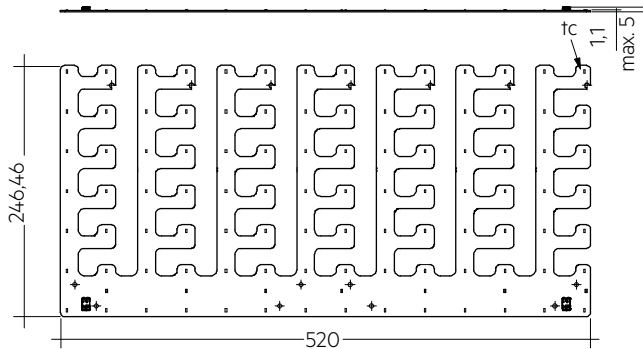
<http://www.tridonic.com/89602961>



Module QLE G2 520x246mm 2500lm ADV-SE

Modules QLE advanced

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



Details see data sheet 3.4 Mounting instructions

Ordering data

Type	Article number	Colour temperature	Packaging, carton ^④	Weight per pc.
QLE G2 520x246mm 2500lm 830 ADV-SE	89602961	3,000 K	20 pc(s).	0.185 kg

Technical data

Beam characteristic	120°
Ambient temperature range	-25 ... +45 °C
tp rated	45 °C
tc	85 °C
Irated	350 mA
Imax	660 mA
Max. permissible LF current ripple	860 mA
Max. permissible peak current	1,400 mA / max. 10 ms
Max. working voltage for insulation ^②	420 V
Insulation test voltage	1.84 kV
CTI of the printed circuit board	≥ 600
ESD classification	Severity level 1
Risk group (IEC 62471) ^③	RG1
Classification acc. to IEC 62031	Built-in
Type of protection	IP00
Lifetime	up to 50,000 h
Guarantee	5 Year(s)

Approval marks**Standards**

IEC 62031, IEC 62471, IEC 62778, IEC 61547, IEC 62717, UL 8750

Specific technical data

Type ^②	Article number	Photometric code	Typ. luminous flux at tp = 25 °C ^③	Typ. luminous flux at tp = 45 °C ^④	Typ. forward current	Min. forward voltage at tp = 45 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 45 °C ^⑤	Efficacy of the module at tp = 25 °C	Luminous efficacy module at tp = 45 °C	Efficacy of the system at tp = 45 °C	Colour rendering index CRI
Operating mode HE at 300 mA												
QLE G2 520x246mm 2500lm 830 ADV-SE	89602961	830/359	1,970 lm	1,900 lm	300 mA	36.1 V	42.1 V	11.6 W	168 lm/W	165 lm/W	152 lm/W	> 80
Operating mode NM at 350 mA												
QLE G2 520x246mm 2500lm 830 ADV-SE	89602961	830/359	2,300 lm	2,220 lm	350 mA	36.5 V	42.5 V	13.6 W	167 lm/W	163 lm/W	150 lm/W	> 80
Operating mode HO at 525 mA												
QLE G2 520x246mm 2500lm 830 ADV-SE	89602961	830/359	3,330 lm	3,220 lm	525 mA	37.9 V	44.0 V	21.2 W	155 lm/W	152 lm/W	140 lm/W	> 80

② If mounted with M4 screws.

③ Measured at Imax.

④ Min. order quantity: 2 pcs. (One package contains 2 modules).

⑤ HE ... High Efficiency, NM ... Nominal Mode, HO ... High Output.

⑥ Tolerance range for optical and electrical data: ±10 %.