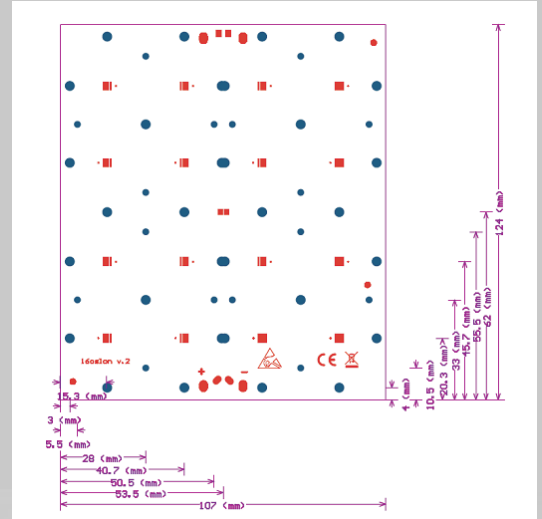


16LED Oslon

Product description

- Luminous flux range from 2000 – 6200 lm
- Efficacy of the module up to 193 lm/W
- Small colour tolerance (MacAdam 3)
- Small luminous flux tolerances
- Colour temperatures from 2700 to 6500 K
- Lenses with various angles available
- Lens mix possibility
- Optional thermoresistor for protection and/or measurement (dimming)
- Parallel and series connection pads available
- High voltage design
- Simple installation (e.g. screws)
- Long life-time: >50,000 hours



16oslon module with LEDs of the latest generation from OSRAM achieve maximum efficiency values and ensure long lifetime. The modules have been specifically developed on high thermoconductive aluminium plate with extra thick copper. The product range covers colour temperatures Warm White 3000, Neutral White 4000, Cold White 5000K and module efficiency of up to 193 lm/W. The module is driven by constant current. The design is improved for simple installation. This LED engine is compatible with LEDIL lenses family Strada 2x2 – with the different angles to achieve all types of distortions. The design allows to mix and rotate all of the 4 pieces 2x2 50mm lenses for maximum flexibility. There is an optional thermistor for temperature control, optionally with soldered cables. Designed for parallel and series connections.

16oslon	Photometric code	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 80 °C	Typ. Voltage at tp=25 °C	Typ. power consumption at tp = 25 °C	Typ. power consumption at tp = 80 °C	Luminous efficacy module at tp = 25 °C	CRI
High efficiency @ 350 mA / channel	740	2790 Lm	2648 Lm	45.6 V	15.9 W	15.5 W	175 Lm/W	>70
	750,757	2882 Lm	2734 Lm	45.6 V	15.9 W	15.5 W	193 Lm/W	>70
Typical current @ 700 mA / channel	740	5163 Lm	4891 Lm	46.9 V	32.8 W	31.9 W	157 Lm/W	>70
	750,757	5333 Lm	5052 Lm	46.9 V	32.8 W	31.9 W	162 Lm/W	>70
High output @ 900 mA / channel	740	6364 Lm	6023 Lm	47.6 V	42.8 W	41.7 W	149 Lm/W	>70
	750,757	6573 Lm	6222 Lm	47.6 V	42.8 W	41.7 W	153 Lm/W	>70

The device / module contains components that are sensitive to electrostatic discharge and may only be installed in the factory and on site if appropriate EOS/ESD protection measures have been taken. No special measures need be taken for devices/modules with enclosed casings (contact with the pc board not possible), just normal installation practice.



The actual cooling surface can differ because of the material, the structural shape, outside influences and the installation situation. Depending on the heat sink a heat conducting paste or heat conducting film might be necessary to keep the specified temperature.

(cd/1000 lm) 0° L.O.R.=1.00

LED Center 12.7

Isometric view