

➤ Product description

- Ideal for street lights, projectors and outdoor lights
- 2 terminals for series and parallel wiring
- High color rendering index CRI > 80
- Simple installation via clips or screws
- Long life-time up to 50,000 hours
- 5-year guarantee

➤ Optical properties

- Colour temperatures 3,000K and 4,000 K
- Typ. luminous flux 5400 lumen
- Efficacy of the module up to 160 lm/W
- High colour rendering index CRI > 80
- Small color tolerance (MacAdam 3)

➤ Mechanical properties

- Module dimension 50x222 mm
- Push terminals for quick and simple wiring of LED module to LED module



Product Code information:

OLM48-G1-50x222mm-840-PRO

Output Light Module

Number of LEDs

Generation

Module dimensions

CRI & CCT

Classification

Electro-Optical characteristics : ($I_f = 700\text{mA}$, $T_a = 25^\circ\text{C}$)

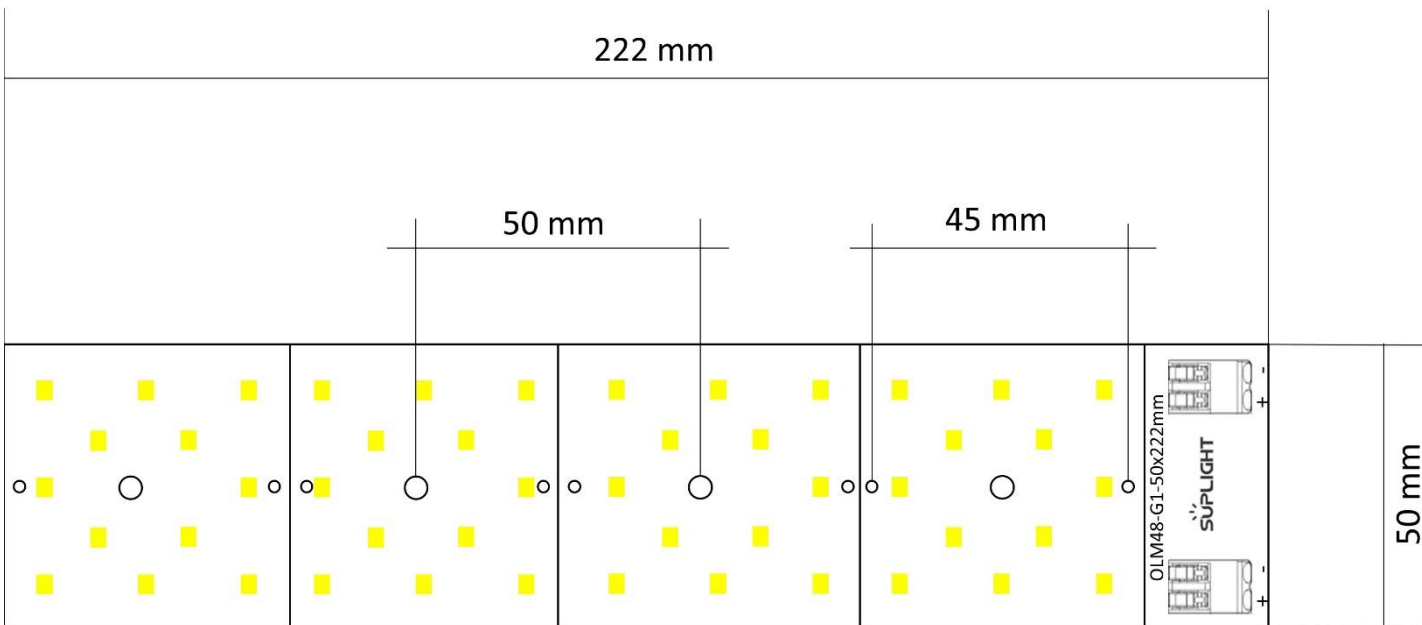
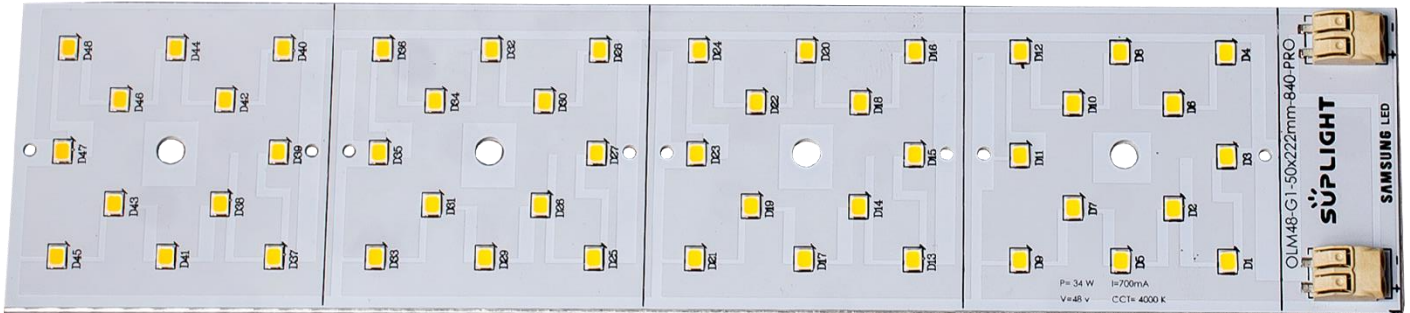
| TYPE | Dimensions | Color temp. | Forward current | Luminous flux | forward voltage | Power cons. | Luminous efficacy | CRI |
|---------------------------|------------|------------------|-----------------|---------------|-----------------|-------------|-------------------|-----|
| OLM48-G1-50x222mm-840-PRO | 50x222 mm | 3000 K 4000 K | 700 mA | 5400 Lm | 47.5V .. 48.5V | 34 W | 160 lm/W | >80 |

- 1-Tolerance of useful light flux - 0 % / + 15 %. Measurement uncertainty $\pm 10\%$.
- 2-Tolerance of expected light flux - 0 % / + 15 %. Measurement uncertainty $\pm 10\%$. Based on calculation.
- 3- Tolerance of power consumption $P_{on} \pm 10\%$. Measurement uncertainty $\pm 5\%$.

Technical data

| | |
|----------------------------------|------------------|
| Beam characteristic | 120 ° C |
| Ambient temperature rang | -25 .. +60° C |
| tc | 95° C |
| I min | 500 mA |
| I rate | 700 mA |
| I max | 900 mA |
| Type of protection | IP 00 |
| Classification acc. to IEC 62031 | Built-in |
| ESD classification | Severity level 2 |
| Life-time | 50,000 h |
| Guarantee | 5 years |





Storage and humidity Storage

temperature -30...+80°C

Operation only in non condensing environment. Humidity during processing of the module should be between 0 to 70 %.

Thermal design and heat sink

The rated life of LED products depends to a large extent on the temperature. If the permissible temperature limits are exceeded, the life of the LLM will be greatly reduced or the LLM may be destroyed.

The wiring can be in stranded wires or solid with a cross section of 0.2 to 0.75mm. For the push-wire connection you have to strip the insulation (8–9mm). To remove the wires use a suitable tool or through twist and pull .

wire preparation:
0.2 – 0.75 mm²

