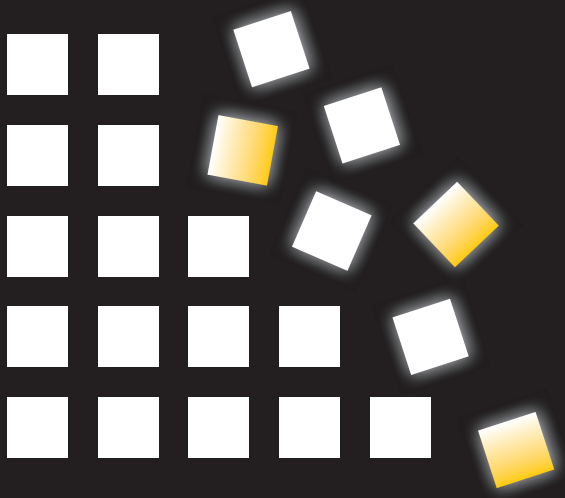
VOSSLOH SCHWABE



ELeaf | Organic Light Emitting Diodes

ORGANIC LIGHT

ELeaf



OLED STANDS FOR FEEL-GOOD LIGHTING

OLEDs are made of very thin organic semi-conductor layers that, when the power is switched on, radiate the kind of uniform diffused light known from indirect lighting. In addition, OLEDs are already more energy-efficient than halogen lamps.

The potential and application options of OLED technology are extensive. OLEDs are lightweight, thin and will in future also be available in transparent versions, thus opening up numerous further design possibilities.

Dimmable via a 1–10 V interface or PWM signal, VS OLEDs are additionally characterised by optimum values in terms of luminance, efficiency, colour rendering and service life.

Typical applications

- High-quality luminaires for effect lighting
- Decorative indoor lighting
- Orientation lighting
- Illuminated signs

These square-shaped OLED modules feature a high CRI value for brilliant colours, are suitable for indoor use and are characterised by a very flat design. OLED modules are available in three white tones. Thanks to the base part, the modules are easy to attach and replace.





BUILT-IN LIGHT MODULES

Brought to you by the company Panasonic, VS OLED modules consist of two parts:

OLED panel
The OLED panel is the actual light source of the module. To protect it from the weather and mechanical stress, the panel is enclosed in a casing, whose design enables simple lamp exchange.

Base part
The base part serves to hold the OLED panel in place and contains a voltage/current converter that exactly meets the needs of the respective OLED panel, which goes to ensure optimum operation of the module. Apart from the supply connections, the base part also features the connections needed to dim the OLED module.
The PWM input can be addressed using the colour controllers of the VS DigiLED CA series, which are suitable for easy integration into DALI/DMX systems. Alternatively the 1–10 V input can be used.

The intelligent design of the connections also makes it easy to combine OLED and LED technologies.

If necessary, the OLED panel is also available without base part and protective housing.

EASY MOUNTING AND QUICK REPLACEMENT

Easy handling
- The plastic frame protects the OLED panel
- The slide-in function allows for easy and safe electrical connection and replacement of the panels

New luminaire design
- The thin and flat design of the module allows a completely new luminaire design



TECHNICAL NOTES (e.g. PEW-OM 80x80 3000K, Ref. No.: 186223)

OLED module dimensions (WxHxD): 102x95x8.9 mm

Input voltage: 24 V DC ±10%

Operating current range over the service life: 117–188 mA ±15%

Power consumption range over the service life: 2.8–4.5 W ±15%

Ambient temperature t_a: 5 to 35 °C

Humidity range: 45 to 85%

Luminance: 3000 cd/m²

Luminance uniformity: ≥ 50%

Colour rendering index (CRI) R_a: ≥ 90

Luminous flux: 48 lm

Service life L70: 10,000 hrs

Weight: 100 g

A member of the Panasonic group Panasonic

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