

pvLight

**Cost-effective, homogeneous, diffuse light panels
for front- and backlight applications**



The robust LED panels of the pvLight series impress with extremely homogeneous light distribution, a long service life, as well as an excellent price/performance ratio.

The large emitting surface produces a very homogeneous, diffuse highly intensive light.

Application areas

- Detection of surface defects thanks to very uniform illumination
- A wide variety of measurement tasks
- Uniform illumination for fill level measurements
- Presence checks in the electronics industry
- Measurement tasks in backlight
- Quality inspection in the dark field
- SHORT: a universal illumination for a wide variety of applications

Thanks to the special temperature management, the LEDs have a low power consumption and generate little heat, resulting in a service life of >100.000 hours and can be used for demanding applications.

The light panels are available in different standard sizes. The T-slot profile facilitates mounting, a 4-pin M12-connector enables easy wiring. All pvLight products are IP20, RoHS/CE-conformal, 36 months warranty.

Technical data

	pvLight 30x30	pvLight 60x60	pvLight 120x30
Emitting surface	295x295x10 mm	595x595x10 mm	1195x295x10 mm
Outer dimensions	355x355x40 mm	680x680x40 mm	1255x355x40 mm
Colour temperature	4000 K	4000 K	4000 K
Consumption	20 W	28 W	39 W
Input voltage	≤50 V	≤50 V	≤50 V
Power	400 mA	560 mA	780 mA
Efficiency	105lm(W)	123 lm/W	105 lm/W
Lumen effective	2095 lm	3450 lm	2800 lm

Options

Optionally, the light panels are available with an integrated camera window, important for applications, where the beam path of the light source must be on the same optical axis as the beam path of the camera.

The camera aperture has a default inner diameter of 36 or 56 mm (other sizes on request).

Additional accessories such as a simple power supply unit or connection cables complement the offering.

