

PRODUCT DATASHEET

LED PERFORMANCE PANEL 0312 28W

4000K WW

LED PERFORMANCE PANEL HE Backlit | Panel luminaires



Areas of application

- Offices
- Retail and small shops
- Hospitals
- Public areas

Product benefits

- Sturdy SPCC housing
- Safety compliance certificates: CB, EU RoHS 2.0
- Low maintenance costs thanks to long lifetime
- Seamless aluminum frame design
- IP54 protection from diffuser side suitable for different installations (0606 models)
- High system efficacy 143 lm/W reduce energy consumption (4000K & 6500K)

Product features

- Latest backlit LED technology platform
- Available in standard 600 x 600 mm, 300 x 1200 mm size
- Standard CCT: 4000 K & 6500 K, 3000 K on request
- Color rendering index $R_a > 80$
- Power factor: > 0.9
- Recess mount with optional plaster ceiling mounting clips and suspension kit
- 100-277 V wide voltage operation models available
- SASO 2902 Energy Efficiency Class A certified (0606 WW)
- Integrated heat resistance lens for uniform light distribution, reduce product height to only 34 mm

TECHNICAL DATA

Electrical data

Nominal wattage	28.00 W
Nominal voltage	100...277 V
Mains frequency	50...60 Hz
Nominal current	300.000 mA
Max. number of luminaires per miniature circuit breaker B16	42
Max. number of luminaires per miniature circuit breaker C10	26
Max. number of luminaires per miniature circuit breaker C16	42
Power factor λ	0.90
Total harmonic distortion	$\leq 15 \%$
Protection class	II

Photometrical data

Luminous flux	4000 lm
Luminous efficacy	143 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	< 5 sdcm
Photobiological safety group acc. to EN62778	RG0
UGR	< 22

Dimensions & Weight

Length	1195.00 mm
Width	295.00 mm
Height	34.00 mm
Product weight	1630.00 g



LDPFM PL0312B 28W WW

Materials & Colors

Product color	White
Housing color	White

Body material	Steel
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-10...+50 °C
Temperature range at storage	-20...+70 °C
Type of connection	Terminal, 2-Pole (L, N)
Type of protection	IP40/IP20
Protection class IK (shock resistance)	IK02
Dimmable	No
Mounting type	Recessed
Application environment	Indoor
Mounting length	1195.0 mm
Mounting width	295,0 mm
Replaceable light source	No

Lifespan


Lifespan L70/B50 at 25 °C	50000 h ¹⁾
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¹⁾ t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Certificates & Standards

Standards	CB
Replaceable light source (EPREL)	Not replaceable

DOWNLOAD DATA

Photometric and lighting design files		Document name
	IES file (IES)	LDPFM PL0312B 28W 840 WV H

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075727144	Folding box 1	1,203 mm x 40 mm x 341 mm	2004.00 g	16.41 dm ³
4058075727151	Shipping box 5	1,258 mm x 223 mm x 408 mm	11022.00 g	114.46 dm ³

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.