

PRODUCT DATASHEET

LED PERFORMANCE PANEL 0312 28W

3000K 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 | 3680 lm |
| Luminous efficacy | 131 lm/W |
| Color temperature | 3000 K |
| Light color (designation) | Warm White |
| Color rendering index Ra | > 80 |
| Standard deviation of color matching | < 5 sdc _m |
| 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⁾ |
|---------------------------|-----------------------|

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 830 WV H |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|------------------------|
| 4058075727106 | Folding box 1 | 1,203 mm x 40 mm x 341 mm | 2004.00 g | 16.41 dm ³ |
| 4058075727113 | 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.