PRODUCT DATASHEET
Planon Frameless Round 450mm 28W 830 White

PLANON™ Frameless | Frameless panel luminaires for wall and ceiling mounting

Areas of application

- Indoor applications
- Decorative domestic lighting
- Wall and ceiling surface mounting
- Offices
- Living rooms

Product benefits

- Homogenous light distribution
- Easy and quick installation
- Slim and sleek design

Product features

- Ceiling luminaire with advanced LED technology
- Aluminum housing, frosted PMMA diffuser
- Color temperature: 3,000 K
- Available in square, rectangular and round form



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TECHNICAL DATA

Electrical data

Nominal wattage	28.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	135.000 mA
Inrush current	0.1 A
Inrush current time T_{h50}	380 µs
Max. number of luminaires per miniature circuit breaker B16	23
Max. number of luminaires per miniature circuit breaker C10	23
Max. number of luminaires per miniature circuit breaker C16	36
Power factor λ	> 0.90
Maximum total harmonic distortion	< 20 %
Protection class	II
Operating mode	Mains voltage

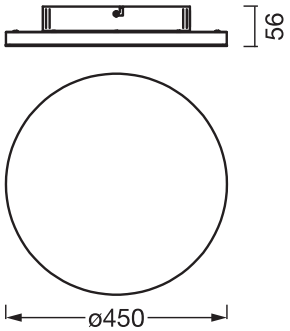
Photometrical data

Luminous flux	2700 lm
Total luminous flux of contained light sources	3500 lm
Luminous efficacy	96 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	> 80
Standard deviation of color matching	≤6 sdcm
Flickering metric (Pst LM)	< 1
Stroboscope effect metric (SVM)	< 0.4
Photobiological safety group acc. to EN62778	RG1
Beam angle	120 °

Dimensions & Weight

Diameter	450.00 mm
Height	56.00 mm
Product weight	2480.00 g

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PLANON FRAMELESS RD
450 28W 830

Materials & Colors

Product color	White
Housing color	White
Body material	Aluminum
Cover material	Polystyrene (PS)
Glow Wire Test according to IEC 60695-2-12	650 °C

Application & Mounting

Ambient temperature range	-20…+40 °C
Temperature range at storage	-20…+80 °C
Type of connection	Terminal, 2-Pole (L, N)
Type of protection	IP20
Protection class IK (shock resistance)	IK02
Dimmable	No
Mounting type	Surface
Mounting location	Ceiling
Application environment	Indoor
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	25000 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	CE / UKCA
Luminaire with limited surface temperature, "D sign"	No

EQUIPMENT / ACCESSORIES

- Complete mounting and connecting accessories included

Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- The luminaires are not suitable for covering with thermally insulated material.
- Check wall-ceiling for suitability. If uncertain, seek professional advice.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	PLANON FRAMELESS RD 830
PDF	Declarations of conformity	DECOR LUM PLANON
PDF	Declarations of conformity UKCA	DECOR LUM PLANON

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854291128	Folding box 1	64 mm x 472 mm x 475 mm	2799.00 g	14.35 dm^3
4099854291135	Shipping box 4	485 mm x 270 mm x 498 mm	12115.00 g	65.21 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.

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