PRODUCT DATASHEET
Orbis Pederson 550MM 36W 830 Black

Orbis Pederson | LED ceiling luminaire with plastic ring

Areas of application

– Indoor
– Living areas (living rooms, dining rooms, bedrooms etc.)

Product benefits

– Easy to install and use
– Long lifetime thanks to LED technology

Product features

– Type of protection: IP20
– Lifetime: up to 30,000 h
– Color temperature: 3,000 K (Warm White)
– Robust quality with high-grade plastic
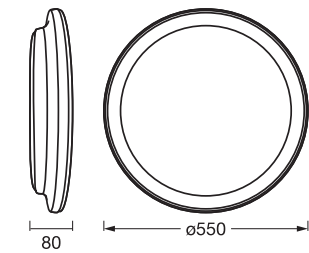
TECHNICAL DATA

Electrical data

Nominal wattage	36.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	160.000 mA
Inrush current	0.16 A
Inrush current time T_{h50}	107 µs
Max. number of luminaires per miniature circuit breaker B16	50
Max. number of luminaires per miniature circuit breaker C10	41
Max. number of luminaires per miniature circuit breaker C16	66
Power factor λ	> 0.90
Total harmonic distortion	< 13 %
Protection class	I
Operating mode	External LED driver

Photometrical data

Luminous flux	2500 lm
Total luminous flux of contained light sources	4700 lm
Luminous efficacy	69 lm/W
Color temperature	3000 K
Reference control setting of contained light source (Kelvin)	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	RG0
Photobiological safety group acc. to EN62471	RG0
Beam angle	120 °

Dimensions & Weight

Diameter	550.00 mm
Height	80.00 mm
Product weight	1650.00 g

ORBIS PEDERSON 550MM 36W
830

Materials & Colors

Product color	Black
Housing color	Black
Body material	Metal
Cover material	Plastic
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, 3-Pole (L, N, PE)
Type of protection	IP20
Protection class IK (shock resistance)	IK03
Dimmable	No
Mounting type	Surface
Mounting location	Ceiling
Application environment	Indoor
LED module replaceable	Not replaceable
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	50000 h [1]
Number of switching cycles	25000

[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

– Mounting screws and dowels included

Safety advice

– Luminaire must be disconnected from mains during installation, maintenance and cover removal
– Check wall-ceiling for suitability. If uncertain, seek professional advice.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User Instruction	ORBIS PEDERSON 450/550MM 830 WT/BK
PDF	Declarations of conformity	ORBIS HELMAN ORBIS PEDERSON
PDF	Declarations Of Conformity UKCA	ORBIS HELMAN ORBIS PEDERSON

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854283543	Folding box 1	92 mm x 572 mm x 573 mm	2081.00 g	30.15 dm^3
4099854283550	Shipping box 4	588 mm x 388 mm x 598 mm	9947.00 g	136.43 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.