

# 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

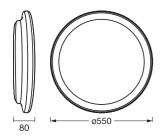
Nominal wattage	36.00 W
Nominal voltage	220240 V
Mains frequency	5060 Hz
Nominal current	160.000 mA
Inrush current time T <sub>h50</sub>	107 µs
Max. number of luminaires per miniature circuit breaker B16	50
Max. number of luminaires per miniature circuit breaker C10	41
Max. number of luminaires per miniature circuit breaker C16	66
Power factor $\lambda$	> 0.90
Total harmonic distortion	< 13 %
Protection class	1
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
Light color (designation)	Warm White
Color rendering index Ra	≥80
Standard deviation of color matching	≤6 sdcm
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
Application environment	Indoor
With light source	Yes
Replaceable light source	No

# Lifespan

Lifespan L70/B50 at 25 °C	50000 h <sup>1)</sup>
Number of switching cycles	25000

<sup>1)</sup> 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
Ball shot safe	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.
- Product in protection class I. All electrically conductive, metallic housing parts that can absorb voltage during operation or during maintenance in the event of a fault must be continuously connected to the protective earthing conductor.
- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.

### **DOWNLOAD DATA**

	Documents and certificates Document name		
POF	User instruction / safety instructions	ORBIS PEDERSON	
POF	Legal information	Safety insert G11219601	
POF	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
4099854449802	Folding box 1	92 mm x 572 mm x 573 mm	2745.00 g	30.15 dm <sup>3</sup>
4099854449819	Shipping box 4	588 mm x 388 mm x 598 mm	10980.00 g	136.43 dm³

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.