LEDVANCE

PRODUCT DATASHEET
SF CIRC 500 V 42W 840 IP44 PS

SURFACE CIRCULAR 500 PS | Wall and ceiling luminaire with IP44 and power select (PS)

Areas of application

- Corridors
- Stairways
- Bathrooms
- Foyers

Product benefits

- Highly versatile due to selectable power steps (Power Select - PS) on the driver
- Indoor luminaire with high luminous efficacy
- Energy savings of up to 55 % compared to luminaires that use CFL
- Easy and quick installation
- Very homogenous light
- 5 years guarantee

Product features

- Type of protection: IP44 (ceiling mounting), IP20 (wall mounting)
- Extended lifetime (L70/B10): up to 50,000 h (at 25°C)
- Impact resistance: IK03
- Metal housing, PMMA cover
- Ambient temperature in operation: -20...+40 °C
- Indoor use only, not suitable for outdoor use
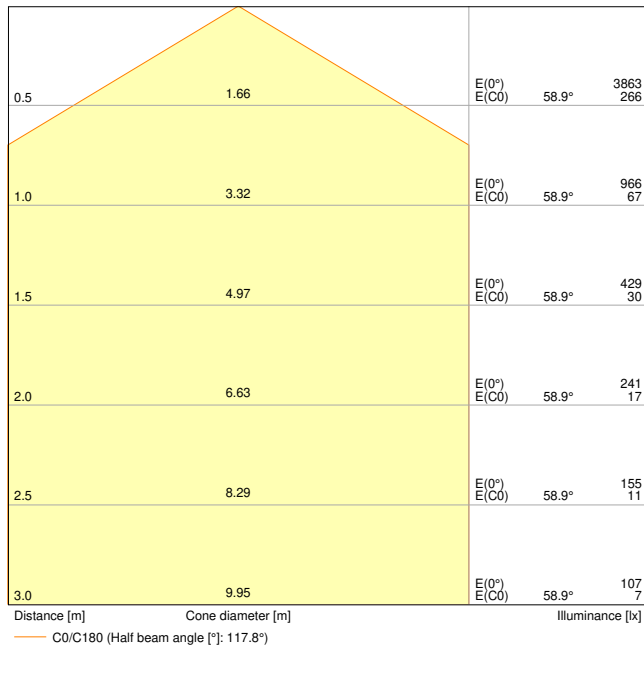
TECHNICAL DATA

Electrical data

Nominal wattage	42.00 W [1]
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	180.000 mA
Inrush current	23.2 A
Inrush current time T_{h50}	280 μs
Max. no. of lum. on circuit break. B16 A	11
Max. no. of lum. on circuit break. C10 A	10
Max. no. of lum. on circuit break. C16 A	17
Power factor λ	> 0.90
Total harmonic distortion	< 30 %
Protection class	I
Operating mode	Integrated LED driver

[1] For possible options refer to lumen/power table image

Photometrical data

Luminous flux	3500 lm [1]
Luminous efficacy	83 lm/W [1]
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	< 5 sdcm
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	120 °

[1] For possible options refer to lumen/power table image

Distance [m]	Cone diameter [m]		Illuminance [lx]
0.5	1.66	E(0°) E(C0) 58.9°	3863 266
1.0	3.32	E(0°) E(C0) 58.9°	966 67
1.5	4.97	E(0°) E(C0) 58.9°	429 30
2.0	6.63	E(0°) E(C0) 58.9°	241 17
2.5	8.29	E(0°) E(C0) 58.9°	155 11
3.0	9.95	E(0°) E(C0) 58.9°	107 7

— C0/C180 (Half beam angle [°]: 117.8°)

cd/klm   η = 100 %
— C0/C180
— C90/C270

LDC typ cone
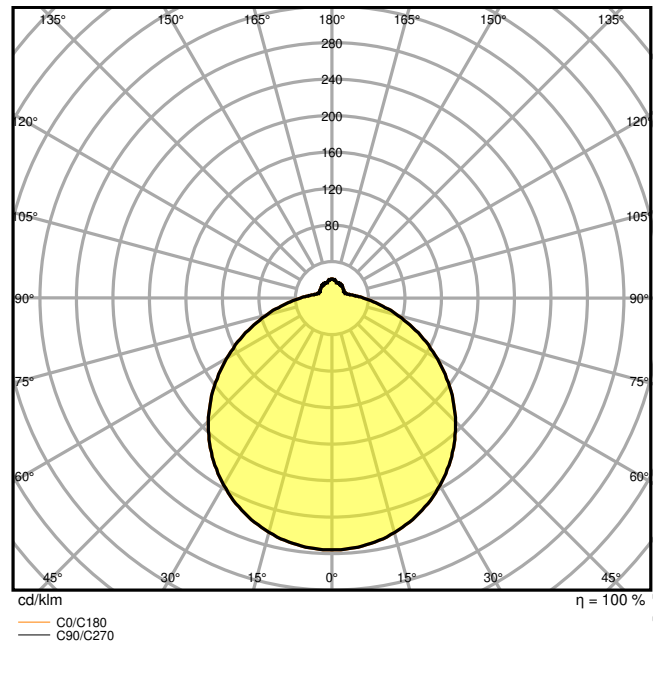
LDC typ polar

Dimensions & Weight

Diameter	500.00 mm
Height	105.00 mm
Product weight	1150.00 g
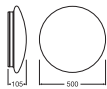
Materials & Colors

Product color	White
Housing color	White
Body material	Steel
Cover material	Polymethylmethacrylate (PMMA)
Light emitting surface material	PMMA

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

Application & Mounting

Ambient temperature range	-20...+45 °C
Temperature range at storage	-20...+80 °C
Type of connection	Terminal, 3-pin
Type of protection	IP44
Protection class IK (shock resistance)	IK03
Dimmable	No
Mounting type	Surface
Mounting location	Ceiling / Wall
Application environment	Indoor
LED module replaceable	Not replaceable
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	50000 h
Lifespan L80/B10 at 25 °C	45000 h
Lifespan L90/B10 at 25 °C	40000 h
Number of switching cycles	100000

Control gear

Output current	1000 mA
ECG - Output ripple current	< 20 %

Certificates & Standards

Standards	CE / CB / TÜV / UKCA / EAC
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No

Additional product data

Product remark	Available from March 2023

EQUIPMENT / ACCESSORIES

– Replacement cover optional available

DOWNLOAD DATA

	DOWNLOAD DATA
PDF	User instruction
PDF	Addon Technical Information
	Tender documents
PDF	Declarations Of Conformity CE
	IES file (IES)
	LDT file (Eulumdat)
	R3D file (Relux 3D Model)
	ROLF file (RELUX)
	M3D file (3D Model)
	ULD file (DIALux)
	UGR file (UGR table)
PDF	Packaging insert

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854042133	Folding box 1	112 mm x 527 mm x 534 mm	1622.00 g	31.52 dm³
4099854042140	Shipping box 5	582 mm x 547 mm x 564 mm	10149.00 g	179.55 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.

ADDITIONAL CATALOG INFORMATION
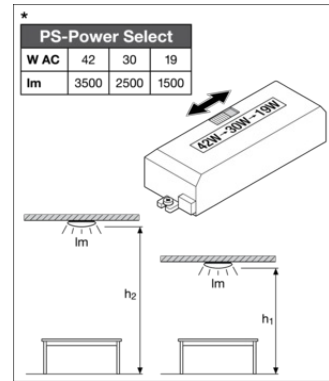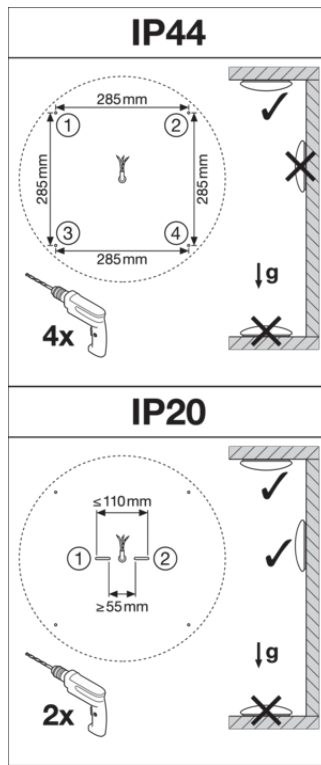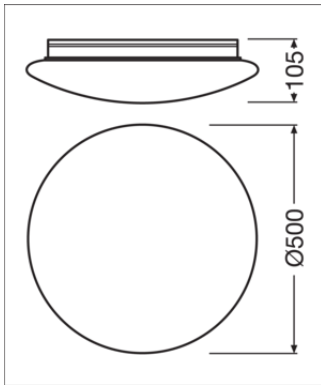
References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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