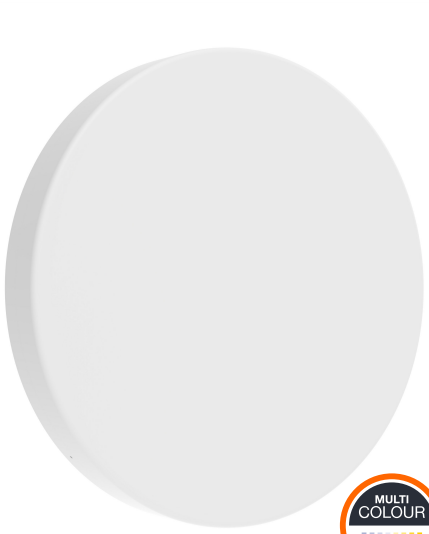
PRODUCT DATASHEET
SF DISC DA 300 V 21W 83040

SURFACE DISC DALI | Modern DALI-2 wall and ceiling luminaire with Multi Color and Multi Lumen



Areas of application

- Direct replacement for surface luminaires with integrated CFLni lamps
- Corridors
- Stairways
- Bathrooms
- Foyers

Product benefits

- Suitable luminaire for VIVARES and other DALI-2 Light Management Systems
- Extended services such as energy monitoring and remote maintenance possible with DALI versions
- Highly versatile due to selectable CCT (Multi Color) in 3000K and 4000K
- Indoor luminaire with high luminous efficacy up to 120 lm/W
- High color consistency with SDCM 3
- Tool-free electrical connection due to push button connector
- Easy locking system to prevent unauthorized access

Product features

- IoT-ready luminaire with DALI-2 technology
- Suitable for central battery emergency installations acc. to EN 60598-2-22
- Type of protection: IP54 (wall and ceiling)
- Impact resistance: IK10
- Lifetime (L80/B10): up to 75,000 h (at 25 °C)
- Polycarbonate (PC) housing, PC-diffuser
- Ambient temperature in operation: -20…+45 °C
- Glow Wire Test according to IEC 60695-2-12: 850 °C
- 5-pole terminal block, cable cross section up to 5 x 2.5 mm^2

© 2026, LEDVANCE GmbH. All rights reserved.

- Through-wiring possible
- Indoor use only, not suitable for outdoor use
- SF DISC family versions available: dimmable, on/off, DALI-2, sensor and/or emergency lighting function

© 2026, LEDVANCE GmbH. All rights reserved.

TECHNICAL DATA

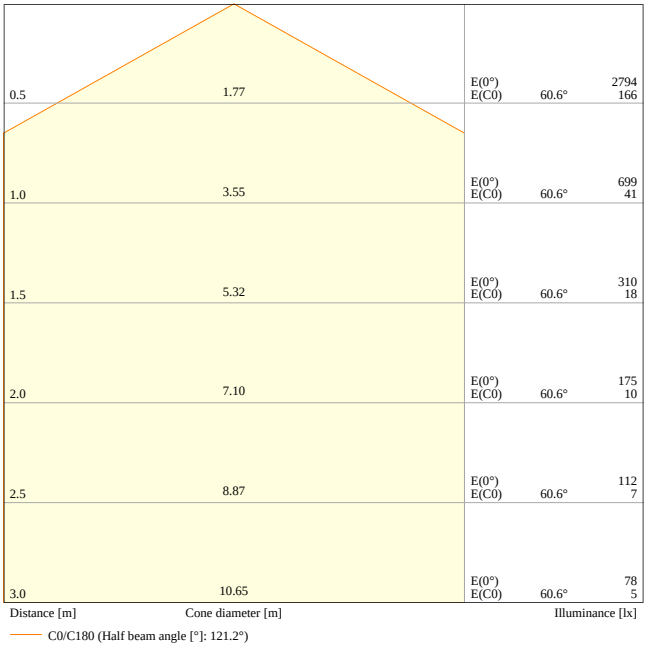
Electrical data

Nominal wattage	21.00 W
Nominal voltage	220…240 V
Mains frequency	0/50/60 Hz
Nominal current	100 mA
Inrush current	25 A
Inrush current time T_{h50}	140 µs
Max. number of luminaires per miniature circuit breaker B16	24
Max. number of luminaires per miniature circuit breaker C10	19
Max. number of luminaires per miniature circuit breaker C16	30
Power factor λ	> 0.90
Maximum total harmonic distortion	< 20 %
Protection class	II
Surge capability (L-N)	1000 V
Operating mode	Integrated LED driver
Dimming interface	DALI-2 / Push-DIM

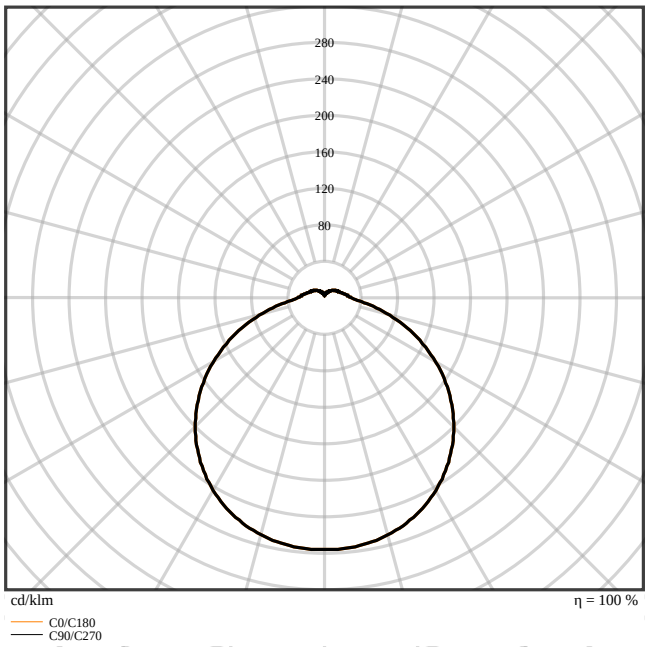
Photometrical data

Luminous flux	2520 lm
Luminous efficacy	120 lm/W
Color temperature	3000 K / 4000 K
Reference control setting of contained light source (Kelvin)	4000 K
Light color (designation)	Warm White / Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	3 sdcm
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	125 °

© 2026, LEDVANCE GmbH. All rights reserved.



SF DISC 300 V 21W 840



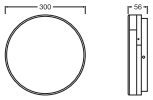
SF DISC 300 V 21W 840

Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
21 W	3000 K	2394 lm	114 lm/W
21 W	4000 K	2520 lm	120 lm/W

Dimensions & Weight

Diameter	300.00 mm
Height	56.00 mm
Product weight	1190.00 g



SF DISC 300 V 21W

© 2026, LEDVANCE GmbH. All rights reserved.

Materials & Colors

Product color	White
Housing color	White
RAL Color (most similar)	RAL 9003
Body material	Polycarbonate (PC)
Cover material	Polycarbonate (PC)
Light emitting surface material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	850 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-20…+45 °C
Temperature range at storage	-20…+80 °C
Type of connection	Push-in clamp
Type of protection	IP54
Protection class IK (shock resistance)	IK10
Dimmable	Yes
Type of dimming	DALI-2
Dimming range	1…100 %
IoT ready	Support of DALI data type PART 251, 252, 253 [1)]
Mounting type	Surface
Mounting location	Ceiling / Wall
Application environment	Indoor
Mechanically adjustable	No
With light source	Yes
Replaceable light source	No

1) Internet of Things. Supports data transfer via gateway to cloud-based monitoring platforms, such as LEDVANCE VIVARES Cloud

Lifespan

Lifespan L70/B50 at 25 °C	100000 h [1)]
Lifespan L80/B10 at 25 °C	75000 h [1)]
Lifespan L80/B50 at 25 °C	75000 h
Lifespan L90/B10 at 25 °C	55000 h [1)]
Number of switching cycles	50000

1) t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

© 2026, LEDVANCE GmbH. All rights reserved.

Control gear

Output current	500 mA
Output ripple current (100 Hz)	< 5 %

Emergency lighting

Type of Emergency Lighting (EL)	EL certified driver (0Hz / DC operation) for central battery operation included
Type of emergency operation test	None
Wattage in emergency operation mode	1.5 W
Luminous flux in emergency operation mode	180 lm

Certificates & Standards

Standards	CE / CB / UKCA / EAC / ENEC / EPD
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00067-V01.01-EN
Replaceable light source (EPREL)	Only by an expert

Additional product data

Added function	MULTI COLOR / VIVARES

Components for light control

Components Light Control

Product image	Product name	EAN
	MANUAL CONTROL UNIT GROUP DALI-2 TW	4099854748691
	MANUAL CONTROL UNIT SELECT DALI-2	4058075837485
	MANUAL CONTROL UNIT SELECT DALI-2 TW	4058075837508
	MANUAL CONTROL UNIT SELECT DALI-2 EXCHANGEABLE COVER TW	4058075837522

© 2026, LEDVANCE GmbH. All rights reserved.

Product image	Product name	EAN
	MANUAL CONTROL UNIT TOUCH DALI-2 TW	4058075837560
	MANUAL CONTROL UNIT TOUCH DALI-2	4058075837546
	PUSH CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075837584
	PUSH CONTROL UNIT FM DALI-2 DIM	4099854846922
	SURFACE MOUNT FRAME	4058075843561
	PUSHBUTTON COUPLER DALI-2	4058075837607
	FLEX CONTROL UNIT IOT DALI-2 HCL TW	4058075841888
	FLEX CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075841901
	FLEX CONTROL UNIT DALI-2 TW	4058075843844
	FLEX CONTROL UNIT REAL-TIME-CLOCK DALI-2 HCL TW	4058075841925
	SENSOR DALI-2 LIGHT/PRESENCE-6 INFRARED CEILING INTEGRATION	4058075837621

© 2026, LEDVANCE GmbH. All rights reserved.

Product image	Product name	EAN
	SENSOR CEILING MOUNTING KIT LIGHT/PRESENCE-6	4099854748714
	SENSOR DALI-2 LIGHT/PRESENCE-8 INFRARED CEILING INTEGRATION	4058075841949
	SENSOR DALI-2 LIGHT/PRESENCE-40X5 INFRARED CEILING INTEGRATION	4058075843868
	SENSOR DALI-2 LIGHT/PRESENCE-24 INFRARED CEILING MOUNTING	4058075843882
	HIGHBAY SENSOR DALI-2 LIGHT/PRESENCE -21 INFRARED CEILING MOUNTING	4058075857537
	DALI sensors -8 IR CI, -40X5 IR CI, -24 IR CM, -21 IR CM	4058075843905
	RELAY DALI-2 RAIL MOUNTING	4099854709159
	RELAY DALI-2 CEILING MOUNTING	4099854709135
	REPEATER DALI-2 RAIL MOUNTING	4099854709111
	REPEATER DALI-2 CEILING MOUNTING	4099854709098

EQUIPMENT / ACCESSORIES

– Mounting screws and dowels included

© 2026, LEDVANCE GmbH. All rights reserved.

Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	G11247949 SF DISC
PDF	Legal information	G11249437 Light Source Insert
PDF	Legal information	Safety Insert G11218810
PDF	Legal information	Legal Insert G11138809
PDF	Legal information	ECO PANEL
PDF	Declarations of conformity	SF DISC DA
PDF	Declarations of conformity UKCA	SF DICS
PDF	EU Data Act	DALI LED Driver and Luminaires
PDF	EPD	EPD EN SURFACE DISC

	Photometric and lighting design files	Document name
IES	IES file (IES)	SF DISC 300 V 21W 840
LDT	LDT file (Eulumdat)	SF DISC 300 V 21W 840
	UGR file (UGR table)	SF DISC 300 V 21W 840
	Light distribution curve type cone	SF DISC 300 V 21W 840
	Light distribution curve type polar	SF DISC 300 V 21W 840

	CAD/BIM files	Document name
RFA	BIM Revit 3D	Surface Disc

© 2026, LEDVANCE GmbH. All rights reserved.

	CAD/BIM files	Document name
	CAD STEP 3D	SF DISC 300 V 21W
	CAD STEP 3D	SF DISC 300V

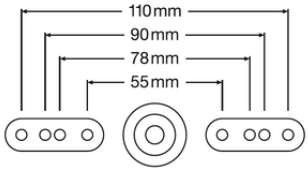
	Tender texts	Document name
	Tender documents	SURFACE DISC DALI DA 300 V 21W 83040-en

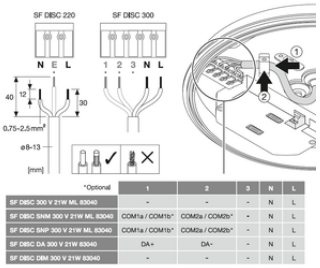
LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854640520	Folding box 1	63 mm x 310 mm x 310 mm	1360.00 g	6.05 dm^3
4099854640537	Shipping box 6	397 mm x 332 mm x 344 mm	9040.00 g	45.34 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.

ADDITIONAL CATALOG INFORMATION





SURFACE DISC 220						
*P [W]	7		9		14	
CCT [K]	3000	4000	3000	4000	3000	4000
**Phi_v [lm]	680	720	1020	1080	1600	1680
***Eff. [lm/W]	97	103	113	120	114	120

SURFACE DISC 300						
*P [W]	9		15		21	
CCT [K]	3000	4000	3000	4000	3000	4000
**Phi_v [lm]	1030	1080	1710	1800	2394	2520
***Eff. [lm/W]	114	120	114	120	114	120

SF DISC 300 DIM / DALI		
*P [W]	21	
CCT [K]	3000	4000
**Phi_v [lm]	2394	2520
***Eff. [lm/W]	114	120

References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

© 2026, LEDVANCE GmbH. All rights reserved.