

PRODUCT DATASHEET

DL SLIM ALU DA D175 V 16W MS 840 WT

DOWNLIGHT SLIM ALU DALI | Very slim downlights with aluminum housing, luminous efficacy up to 100 lm/W and DALI-2 technology



Areas of application

- Direct replacement for luminaires with compact fluorescent lamps
- General illumination
- Public areas
- Stairways
- Corridors
- Foyers
- Shops

Product benefits

- Low installation depth
- Highly versatile due to selectable CCT and power steps (Multi Color / Multi Lumen)
- Very homogenous light distribution
- External driver with 3-pole through-wiring feature for flexibility and easy installation
- Emergency lighting possible with LEDVANCE Emergency Conversion Box
- Energy savings up to 60 % (compared to luminaires that use CFL lamps)

Product features

- External DALI-2 driver included
- Very slim aluminum housing with only 23 mm height
- High luminous efficacy: up to 100 lm/W
- Multi Lumen function: power steps selectable
- Multi Color function: 4000K and 3000K
- Type of protection: IP44



- Luminaire available in 5 sizes for different cut-outs
- Lifetime (L70/B50): 50,000 h (temperature at $T_a = 40\text{ °C}$)

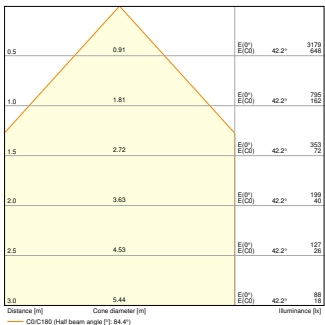
TECHNICAL DATA

Electrical data

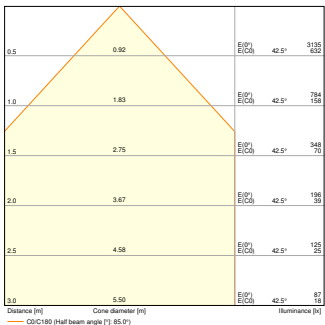
Nominal wattage	16.0 W / 9.5 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	70/48 mA
Inrush current	5.13 A
Inrush current time T_{h50}	26 μ s
Max. number of luminaires per miniature circuit breaker B16	64
Max. number of luminaires per miniature circuit breaker C10	40
Max. number of luminaires per miniature circuit breaker C16	64
Power factor λ	> 0.92
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	External LED driver
Dimming interface	DALI-2/IoT

Photometrical data

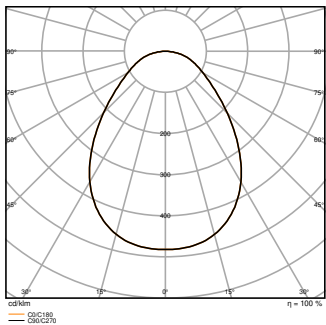
Luminous flux	1650 lm / 1000 lm
Luminous efficacy	105 lm/W
Color temperature	3000 K / 4000 K
Reference control setting of contained light source (Kelvin)	4000 K
Light color (designation)	Warm White / Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	< 5 sdc _m
Luminous intensity	-
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG0
Photobiological safety group acc. to EN62471	RG1
Beam angle	90 °



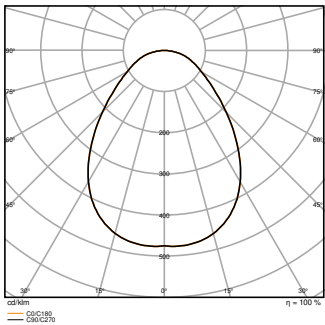
DL SLIM ALU DA D175 V 16W MS
830 WT



DL SLIM ALU DA D175 V 16W MS
840 WT



DL SLIM ALU DA D175 V 16W MS
830 WT



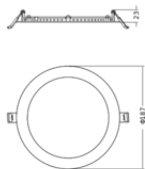
DL SLIM ALU DA D175 V 16W MS
840 WT

Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
16 W	3000 K	1650 lm	105 lm/W
16 W	4000 K	1650 lm	105 lm/W
9.5 W	3000 K	1000 lm	105 lm/W
9.5 W	4000 K	1000 lm	105 lm/W

Dimensions & Weight

Diameter	187.00 mm
Height	23.00 mm
Product weight	400.00 g



DL SLIM ALU D175 V

Materials & Colors

Product color	White
Housing color	White
Body material	Aluminum
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...+40 °C
Temperature range at storage	-20...+85 °C
Type of connection	Screwless terminal, 4-Pole (L,N, DA+, DA-)
Type of protection	IP44/IP20
Protection class IK (shock resistance)	IK03
Dimmable	Yes
Type of dimming	DALI2
Mounting type	Recessed
Mounting location	Ceiling / Wall
Application environment	Indoor
Mounting diameter	175 mm
Mounting depth	23 mm

Adjustable	No
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	50000 h ¹⁾
Lifespan L80/B10 at 25 °C	35000 h ¹⁾
Lifespan L80/B50 at 25 °C	35000 h
Lifespan L90/B10 at 25 °C	15000 h
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)

Control gear

Output current	350 mA
ECG - Output ripple current	< 10 %
ECG - Length	164 mm
ECG - Width	45 mm
ECG - Height	25 mm
Recommended control gear	DR DALI-P-30/220-240/700

Certificates & Standards

Standards	CE / UKCA / EAC / ENEC
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

Additional product data

Product remark	Available from March 2025
Added function	MULTI SELECT

Accessories Optional

Product image	Product name	EAN
	DL SLIM ALU FRAME D175 WT	4099854476006

EQUIPMENT / ACCESSORIES

– Accessories for surface mounting available

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	DOWNLIGHT SLIM ALU DALI
	Legal information	Informationstext 18 Abs 4 ElektroG
	Legal information	PL PRINT SKY1
	Legal information	LSI G11226725 DL SLIM ALU
	Legal information	DL SLIM ALU DA_CMFT DA
Photometric and lighting design files		Document name
	IES file (IES)	DL SLIM ALU DA D175 V 16W MS 830 WT
	IES file (IES)	DL SLIM ALU DA D175 V 16W MS 840 WT
	LDT file (Eulumdat)	DL SLIM ALU DA D175 V 16W MS 830 WT
	LDT file (Eulumdat)	DL SLIM ALU DA D175 V 16W MS 840 WT
	ROLF file (RELUX)	DL SLIM ALU DA D175 V 16W MS 840 WT
	UGR file (UGR table)	DL SLIM ALU DA D175 V 16W MS 830 WT
	UGR file (UGR table)	DL SLIM ALU DA D175 V 16W MS 840 WT
	Light distribution curve type cone	DL SLIM ALU DA D175 V 16W MS 830 WT
	Light distribution curve type cone	DL SLIM ALU DA D175 V 16W MS 840 WT
	Light distribution curve type polar	DL SLIM ALU DA D175 V 16W MS 830 WT
	Light distribution curve type polar	DL SLIM ALU DA D175 V 16W MS 840 WT

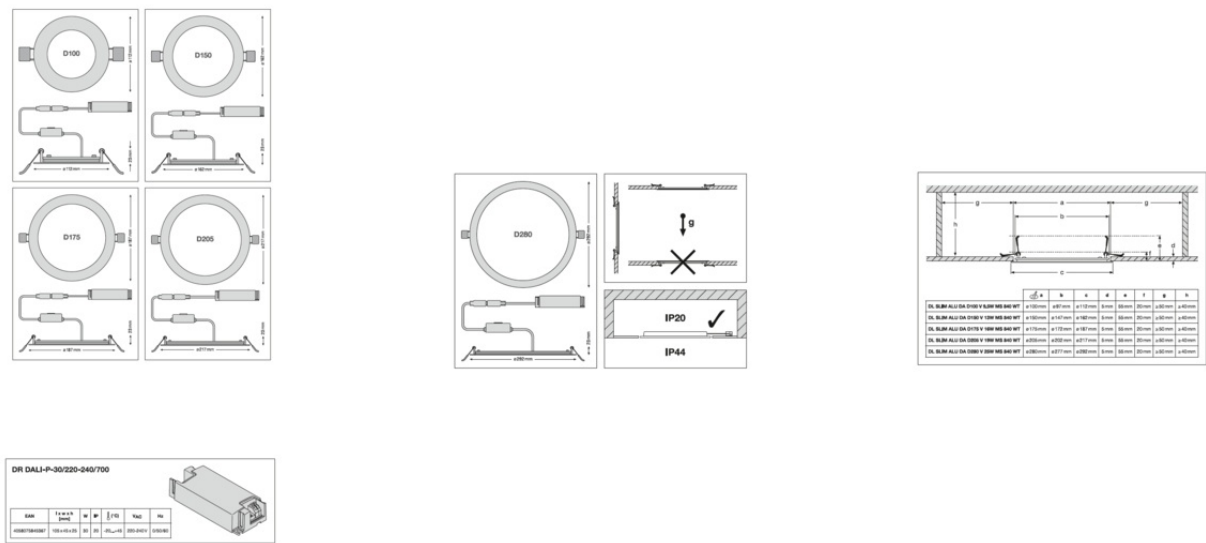
CAD/BIM files		Document name
	BIM Revit 3D	Downlight Slim Alu MS
	CAD STEP 3D	DL SLIM ALU DN175 MS

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854441936	Folding box 1	57 mm x 194 mm x 194 mm	470.00 g	2.15 dm ³
4099854441943	Shipping box 10	401 mm x 300 mm x 218 mm	5096.00 g	26.23 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



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.

