PRODUCT DATASHEET
DL SLIM ALU D175 V 16W ML 83040 WT

DOWNLIGHT SLIM ALU | Very slim downlights with aluminum housing and luminous efficacy up to 100 lm/W



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 lumen steps (Multi Select)
- 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

- Very slim aluminum housing with only 23 mm height
- Luminous efficacy: up to 100 lm/W
- Multi Lumen function: lumen steps selectable
- Multi Color function: 3000 K and 4000 K
- Type of protection: IP44
- Luminaire available in 5 sizes for different cut-outs
- Lifetime (L70/B50): 50,000 h (temperature at T_a = 40 °C)

© 2026, LEDVANCE GmbH. All rights reserved.

TECHNICAL DATA

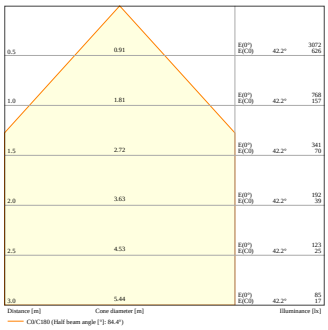
Electrical data

Nominal wattage	16.0 W / 12 W / 8 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	70/55/39 mA
Inrush current	6 A
Inrush current time T_{h50}	33 µs
Max. number of luminaires per miniature circuit breaker B16	70
Max. number of luminaires per miniature circuit breaker C10	55
Max. number of luminaires per miniature circuit breaker C16	80
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	External LED driver

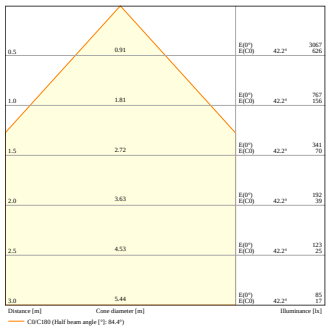
Photometrical data

Luminous flux	1600 lm / 1200 lm / 800 lm
Luminous efficacy	100 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 sdcm
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	RG0
Beam angle	90 °

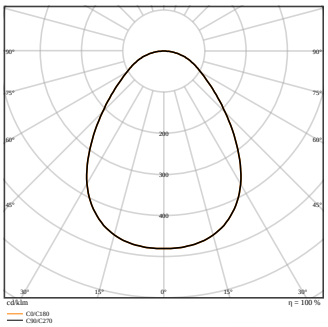
© 2026, LEDVANCE GmbH. All rights reserved.



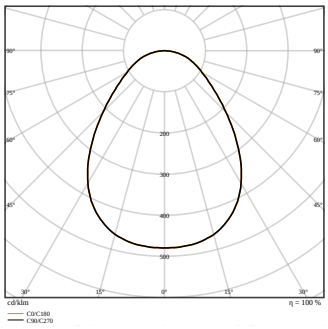
DL SLIM ALU D175 V 16W MS 830 WT



DL SLIM ALU D175 V 16W MS 840 WT



DL SLIM ALU D175 V 16W MS 830 WT



DL SLIM ALU D175 V 16W MS 840 WT

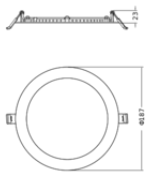
Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
16 W	3000 K	1600 lm	100 lm/W
16 W	4000 K	1600 lm	100 lm/W
12 W	3000 K	1200 lm	100 lm/W
12 W	4000 K	1200 lm	100 lm/W
8 W	3000 K	800 lm	100 lm/W
8 W	4000 K	800 lm	100 lm/W

Dimensions & Weight

Diameter	187.00 mm
Height	23.00 mm
Product weight	330.00 g

© 2026, LEDVANCE GmbH. All rights reserved.



DL SLIM ALU D175 V

Materials & Colors

Product color	White
Housing color	White
RAL Color (most similar)	RAL 9003
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, 3-Pole (N, E, L)
Type of protection	IP44/IP20
Protection class IK (shock resistance)	IK03
Dimmable	No
Mounting type	Recessed
Mounting location	Ceiling
Application environment	Indoor
Mounting diameter	175 mm
Mounting depth	23.0 mm

© 2026, LEDVANCE GmbH. All rights reserved.

Mechanically adjustable	No
With light source	Yes
Replaceable light source	No

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 [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)

Control gear

Output current	320 mA
ECG - Output ripple current	< 10 %
ECG - Length	100 mm
ECG - Width	49 mm
ECG - Height	26 mm

Emergency lighting

Type of Emergency Lighting (EL)	Optional EL unit (battery and controller) for decentral operation available separately
Type of emergency operation test	None
Wattage in emergency operation mode	2,5 W
Luminous flux in emergency operation mode	350 lm

Certificates & Standards

Standards	CE / UKCA / EAC / ENEC / EPD
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00050-V01.01-EN
Replaceable light source (EPREL)	Not replaceable

Additional product data

Added function	MULTI LUMEN / MULTI COLOR

Accessories Optional

© 2026, LEDVANCE GmbH. All rights reserved.

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
PDF	User instruction / safety instructions	DOWNLIGHT SLIM ALU
PDF	Legal information	LSI DL SLIM ALU ON\OFF
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	Safety Insert G11207793
PDF	Legal information	DL SLIM ALU
PDF	Legal information	Legal insert G11262490 MW T
PDF	Declarations of conformity	DL SLIM ALU
PDF	Declarations of conformity UKCA	DL SLIM ALU
PDF	EPD	EPD EN DOWNLIGHT SLIM ALU DALI

	Photometric and lighting design files	Document name
IES	IES file (IES)	DL SLIM ALU D175 V 16W MS 830 WT
IES	IES file (IES)	DL SLIM ALU D175 V 16W MS 840 WT
LDT	LDT file (Eulumdat)	DL SLIM ALU D175 V 16W MS 830 WT
LDT	LDT file (Eulumdat)	DL SLIM ALU D175 V 16W MS 840 WT

© 2026, LEDVANCE GmbH. All rights reserved.

	Photometric and lighting design files	Document name
	ULD file (DIALux)	DL SLIM ALU D175 V 16W MS 840 WT
	ROLF file (RELUX)	DL SLIM ALU D175 V 16W MS 840 WT
	UGR file (UGR table)	DL SLIM ALU D175 V 16W MS 830 WT
	UGR file (UGR table)	DL SLIM ALU D175 V 16W MS 840 WT
	Light distribution curve type cone	DL SLIM ALU D175 V 16W MS 830 WT
	Light distribution curve type cone	DL SLIM ALU D175 V 16W MS 840 WT
	Light distribution curve type polar	DL SLIM ALU D175 V 16W MS 830 WT
	Light distribution curve type polar	DL SLIM ALU 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

	Tender texts	Document name
	Tender documents	DOWNLIGHT SLIM ALU D175 V 16W MS 840 WT-en

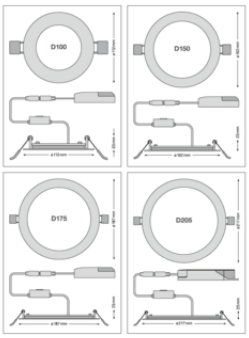
LOGISTICAL DATA

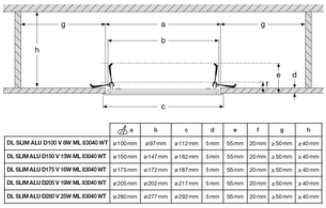
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854441813	Folding box 1	57 mm x 194 mm x 194 mm	400.00 g	2.15 dm^3
4099854441820	Shipping box 10	401 mm x 300 mm x 218 mm	4396.00 g	26.23 dm^3

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.

© 2026, LEDVANCE GmbH. All rights reserved.

ADDITIONAL CATALOG INFORMATION





	⌀	b	c	d	e	f	g	h
DL SLIM ALU D100 V 8W ML 83040 WT	⌀100 mm	⌀97 mm	⌀112 mm	5 mm	55 mm	20 mm	≥ 50 mm	≥ 40 mm
DL SLIM ALU D150 V 13W ML 83040 WT	⌀150 mm	⌀147 mm	⌀162 mm	5 mm	55 mm	20 mm	≥ 50 mm	≥ 40 mm
DL SLIM ALU D175 V 16W ML 83040 WT	⌀175 mm	⌀172 mm	⌀187 mm	5 mm	55 mm	20 mm	≥ 50 mm	≥ 40 mm
DL SLIM ALU D205 V 19W ML 83040 WT	⌀205 mm	⌀202 mm	⌀217 mm	5 mm	55 mm	20 mm	≥ 50 mm	≥ 40 mm
DL SLIM ALU D280 V 25W ML 83040 WT	⌀280 mm	⌀277 mm	⌀292 mm	5 mm	55 mm	20 mm	≥ 50 mm	≥ 40 mm

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.