PRODUCT DATASHEET
DL SLIM ALU D280 V 25W ML 83040 WT

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



VALUE CLASS

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

- 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: 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)



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TECHNICAL DATA

Electrical data

Nominal wattage	25 W / 18.8 W / 12.5 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	115/85/61 mA
Inrush current	7.60 A
Inrush current time T_{h50}	37 µs
Max. number of luminaires per miniature circuit breaker B16	50
Max. number of luminaires per miniature circuit breaker C10	25
Max. number of luminaires per miniature circuit breaker C16	50
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	External LED driver

Photometrical data

Luminous flux	2500 lm / 1880 lm / 1250 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	RG1
Beam angle	90 °

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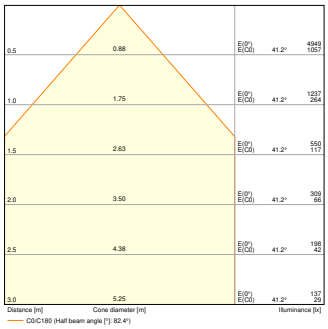

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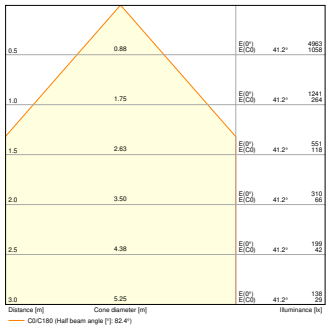

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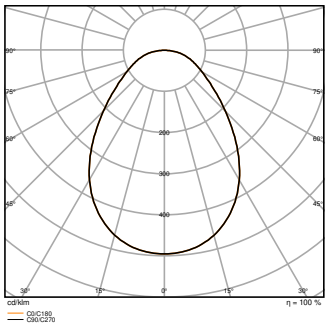

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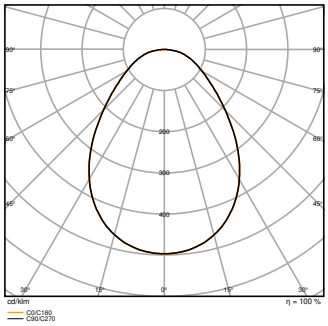

DL SLIM ALU D280 V 25W MS 840 WT

Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
25 W	3000 K	2500 lm	100 lm/W
25 W	4000 K	2500 lm	100 lm/W
18.8 W	3000 K	1880 lm	100 lm/W
18.8 W	4000 K	1880 lm	100 lm/W
12.5 W	3000 K	1250 lm	100 lm/W
12.5 W	4000 K	1250 lm	100 lm/W

Dimensions & Weight

Diameter	292.00 mm
Height	23.00 mm
Product weight	680.00 g

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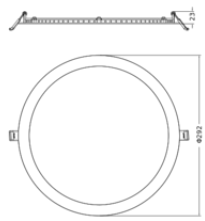

DL SLIM ALU D280 V

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 / Wall
Application environment	Indoor
Mounting diameter	280 mm
Mounting depth	23.0 mm

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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
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	500 mA
ECG - Output ripple current	< 10 %
ECG - Length	175 mm
ECG - Width	55 mm
ECG - Height	31 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	340 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 SELECT

Accessories Optional

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Product image	Product name	EAN
	DL SLIM ALU FRAME D280 WT	4099854476051

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	Legal Insert G11120030
PDF	Legal information	DL SLIM ALU
PDF	Declarations of conformity	DL SLIM ALU
PDF	Declarations of conformity UKCA	DL SLIM ALU

	Photometric and lighting design files	Document name
IES	IES file (IES)	DL SLIM ALU D280 V 25W MS 830 WT
IES	IES file (IES)	DL SLIM ALU D280 V 25W MS 840 WT
LDT	LDT file (Eulumdat)	DL SLIM ALU D280 V 25W MS 830 WT
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	Photometric and lighting design files	Document name
	ULD file (DIALux)	DL SLIM ALU D280 V 25W MS 840 WT
	ROLF file (RELUX)	DL SLIM ALU D280 V 25W MS 840 WT
	UGR file (UGR table)	DL SLIM ALU D280 V 25W MS 830 WT
	UGR file (UGR table)	DL SLIM ALU D280 V 25W MS 840 WT
	Light distribution curve type cone	DL SLIM ALU D280 V 25W MS 830 WT
	Light distribution curve type cone	DL SLIM ALU D280 V 25W MS 840 WT
	Light distribution curve type polar	DL SLIM ALU D280 V 25W MS 830 WT
	Light distribution curve type polar	DL SLIM ALU D280 V 25W MS 840 WT

	CAD/BIM files	Document name
	BIM Revit 3D	Downlight Slim Alu MS
	CAD STEP 3D	DL SLIM ALU DN280 MS

	Tender texts	Document name
	Tender documents	DOWNLIGHT SLIM ALU D280 V 25W MS 840 WT-en

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854441868	Folding box 1	62 mm x 297 mm x 297 mm	815.00 g	5.47 dm^3
4099854441875	Shipping box 6	388 mm x 310 mm x 321 mm	5376.00 g	38.61 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

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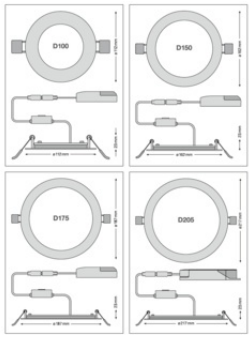

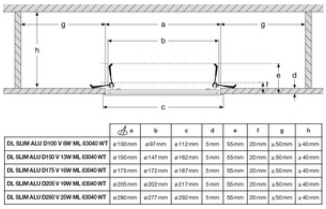

	⌀ a	b	c	d	e	f	g	h
DL SLIM ALU D100 V 8W ML 83040 WT	⌀100mm	⌀97mm	⌀112mm	5mm	55mm	20mm	≥50mm	≥40mm
DL SLIM ALU D150 V 13W ML 83040 WT	⌀150mm	⌀147mm	⌀162mm	5mm	55mm	20mm	≥50mm	≥40mm
DL SLIM ALU D175 V 16W ML 83040 WT	⌀175mm	⌀172mm	⌀187mm	5mm	55mm	20mm	≥50mm	≥40mm
DL SLIM ALU D205 V 19W ML 83040 WT	⌀205mm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

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.

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