

PRODUCT DATASHEET

DL SLIM ALU D205 V 19W 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 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 $T_a = 40\text{ °C}$)



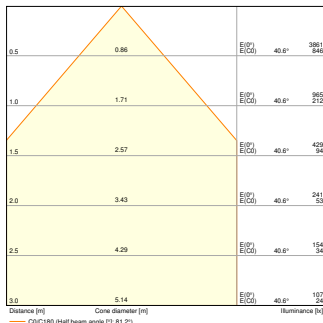
TECHNICAL DATA

Electrical data

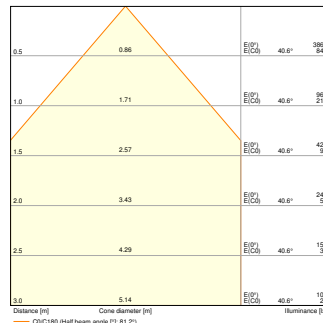
Nominal wattage	19 W / 14.3 W / 9.5 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	88/68/48 mA
Inrush current	7.60 A
Inrush current time T_{h50}	34 μ s
Max. number of luminaires per miniature circuit breaker B16	70
Max. number of luminaires per miniature circuit breaker C10	35
Max. number of luminaires per miniature circuit breaker C16	60
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	External LED driver

Photometrical data

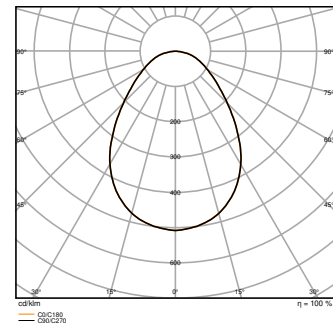
Luminous flux	1900 lm / 1430 lm / 950 lm
Luminous efficacy	100 lm/W
Color temperature	3000 K / 4000 K
Reference control setting of contained light source (Kelvin)	4000 K
Light color (designation)	Warm White / Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	< 5 sdc _m
Luminous 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 °



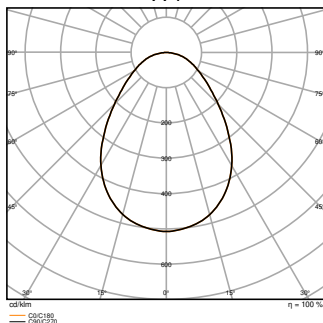
DL SLIM ALU D205 V 19W MS 830
WT



DL SLIM ALU D205 V 19W MS 840
WT



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WT



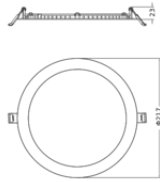
DL SLIM ALU D205 V 19W MS 840
WT

Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
19 W	3000 K	1900 lm	100 lm/W
19 W	4000 K	1900 lm	100 lm/W
14.3 W	3000 K	1430 lm	100 lm/W
14.3 W	4000 K	1430 lm	100 lm/W
9.5 W	3000 K	950 lm	100 lm/W
9.5 W	4000 K	950 lm	100 lm/W

Dimensions & Weight

Diameter	217.00 mm
Height	23.00 mm
Product weight	440.00 g



DL SLIM ALU DA D205 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	205 mm
Mounting depth	23.0 mm

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	430 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	320 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
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Accessories Optional





Product image	Product name	EAN
	DL SLIM ALU FRAME D205 WT	4099854476037









EQUIPMENT / ACCESSORIES



– Accessories for surface mounting available


DOWNLOAD DATA

Documents and certificates	Document name
 User instruction / safety instructions	DOWNLIGHT SLIM ALU
 Legal information	LSI DL SLIM ALU ON/OFF
 Legal information	Informationstext 18 Abs 4 ElektroG
 Legal information	Safety Insert G11207793
 Legal information	Legal Insert G11120030
 Legal information	DL SLIM ALU
 Declarations of conformity	DL SLIM ALU
 Declarations of conformity UKCA	DL SLIM ALU

Photometric and lighting design files	Document name
 IES file (IES)	DL SLIM ALU D205 V 19W MS 830 WT
 IES file (IES)	DL SLIM ALU D205 V 19W MS 840 WT
 LDT file (Eulumdat)	DL SLIM ALU D205 V 19W MS 830 WT
 LDT file (Eulumdat)	DL SLIM ALU D205 V 19W MS 840 WT

Photometric and lighting design files		Document name
	ULD file (DIALux)	DL SLIM ALU D205 V 19W MS 840 WT
	ROLF file (RELUX)	DL SLIM ALU D205 V 19W MS 840 WT
	UGR file (UGR table)	DL SLIM ALU D205 V 19W MS 830 WT
	UGR file (UGR table)	DL SLIM ALU D205 V 19W MS 840 WT
	Light distribution curve type cone	DL SLIM ALU D205 V 19W MS 830 WT
	Light distribution curve type cone	DL SLIM ALU D205 V 19W MS 840 WT
	Light distribution curve type polar	DL SLIM ALU D205 V 19W MS 830 WT
	Light distribution curve type polar	DL SLIM ALU D205 V 19W MS 840 WT

CAD/BIM files		Document name
	BIM Revit 3D	Downlight Slim Alu MS
	CAD STEP 3D	DL SLIM ALU DN205 MS

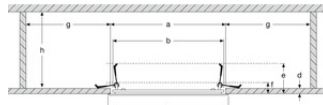
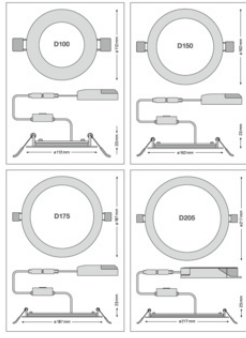
Tender texts		Document name
	Tender documents	DOWNLIGHT SLIM ALU D205 V 19W MS 840 WT-en

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854441844	Folding box 1	62 mm x 222 mm x 222 mm	528.00 g	3.06 dm ³
4099854441851	Shipping box 10	457 mm x 325 mm x 246 mm	5733.00 g	36.54 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



	a	b	c	d	e	f	g	h
DL SLIM ALU D100 V 8W ML 83040 WT	ø100mm	ø87mm	ø112mm	5mm	55mm	20mm	ø50mm	ø40mm
DL SLIM ALU D150 V 12W ML 83040 WT	ø150mm	ø147mm	ø162mm	5mm	55mm	20mm	ø50mm	ø40mm
DL SLIM ALU D175 V 16W ML 83040 WT	ø175mm	ø172mm	ø187mm	5mm	55mm	20mm	ø50mm	ø40mm
DL SLIM ALU D205 V 19W ML 83040 WT	ø205mm	ø202mm	ø217mm	5mm	55mm	20mm	ø50mm	ø40mm
DL SLIM ALU D205 V 20W ML 83040 WT	ø205mm	ø207mm	ø202mm	5mm	55mm	20mm	ø50mm	ø40mm

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.