PRODUCT DATASHEET
DL UNIV D200 V 18W ML 83040 WT

DOWNLIGHT UNIVERSAL | Semi-recessed downlights suitable for refurbishment of existing ceiling cut-outs with integrated driver



VALUE CLASS

Areas of application

- Direct replacement for luminaires with compact fluorescent lamps
- Reception areas, foyers, corridors, common areas

Product benefits

- The solution for convenient refurbishment: universal fitting to existing ceiling cut-outs
- Highly versatile due to selectable CCT and lumen steps (Multi Select)
- Simple installation thanks to integrated driver
- Energy savings thanks to high system efficacy: up to 145 lm/W
- Very homogenous light distribution
- Further variants with DALI-2 driver and sensor available

Product features

- Multi Color function: 3000 K and 4000 K
- Multi Lumen function: 2 lumen steps selectable
- Multi Cut-out: adjustable mounting springs for ceiling cut-outs from 65 mm up to 260 mm
- Available in two sizes: 200 mm and 300 mm diameter
- High color consistency: < 4 SDCM
- Type of protection: IP44 (room side)



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- Suitable for through wiring
- Lifetime (L80/B10): up to 50,000 h (at 25 °C)

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TECHNICAL DATA

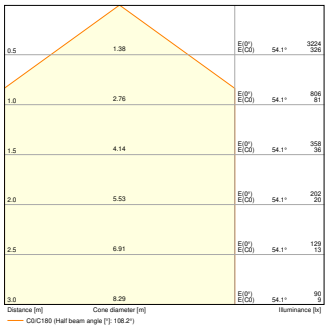
Electrical data

Nominal wattage	18 W / 9 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	79 mA
Inrush current	17.4 A
Inrush current time T_{h50}	1.8 µs
Max. number of luminaires per miniature circuit breaker B16	42
Max. number of luminaires per miniature circuit breaker C10	34
Max. number of luminaires per miniature circuit breaker C16	54
Power factor λ	> 0.90
Total harmonic distortion	< 40 %
Protection class	II
Operating mode	Integrated LED driver

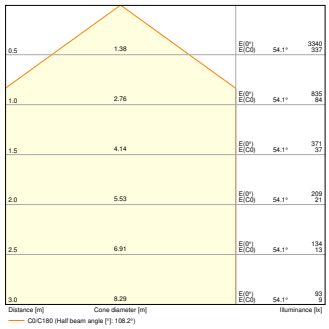
Photometrical data

Luminous flux	2420 lm / 2300 lm / 1260 lm / 1200 lm
Luminous efficacy	135 lm/W / 130 lm/W / 140 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	< 4 sdcm
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	110 °

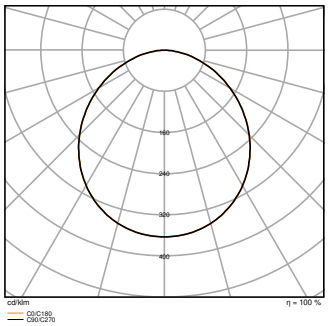
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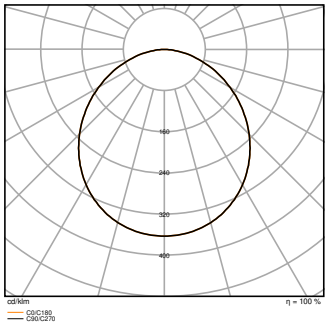
DL UNIV D200 V 18W MS 830 WT LEDV



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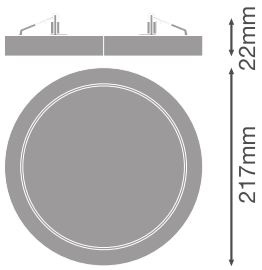
Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
18 W	3000 K	2300 lm	130 lm/W
18 W	4000 K	2420 lm	140 lm/W
9 W	3000 K	1200 lm	135 lm/W
9 W	4000 K	1260 lm	140 lm/W

Dimensions & Weight

Diameter	217.00 mm
Height	22.00 mm
Product weight	445.00 g

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DL UNIV D200 V 18W ML 83040 WT

Materials & Colors

Product color	White
Housing color	White
RAL Color (most similar)	RAL 9003
Body material	Polycarbonate (PC)
Cover material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-20…+40 °C
Temperature range at storage	-20…+80 °C
Type of connection	Screwless terminal
Type of protection	IP44/IP20
Protection class IK (shock resistance)	IK03
Dimmable	No
Mounting type	Surface/Recessed
Mounting location	Ceiling
Application environment	Indoor
Mounting diameter	65…185 mm
Mounting depth	22,0 mm
Mechanically adjustable	No
With light source	Yes
Replaceable light source	No

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Lifespan

Lifespan L70/B50 at 25 °C	100000 h [1)]
Lifespan L80/B10 at 25 °C	50000 h [1)]
Lifespan L80/B50 at 25 °C	50000 h
Lifespan L90/B10 at 25 °C	40000 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	190mA / 100 mA
ECG - Output ripple current	< 10 %
ECG - Height	25 mm

Emergency lighting

Type of emergency operation test	None

Certificates & Standards

Standards	CE / ENEC / UKCA / EAC / EPD
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00068-V01.01-EN
Replaceable light source (EPREL)	Not replaceable

Additional product data

Added function	MULTI SELECT

Accessories Optional

Product image	Product name	EAN
	DL UNIV RING D200 BK	4099854541452
	DL UNIV RING D200 BN	4099854541476

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Product image	Product name	EAN
	DL UNIV RING D200 WT	4099854789502

EQUIPMENT / ACCESSORIES

- Additional cover rings separately available in round shape and in different colors
- Safety rope for luminaire included

Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- The luminaires are not suitable for covering with thermally insulated material.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	G11249993 DOWNLIGHT UNIVERSAL
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	Safety Insert G11207793
PDF	Legal information	G11252354 Light source insert
PDF	Legal information	Legal insert DL UNIV
PDF	Declarations of conformity	CE declaration DL UNIV
PDF	Declarations of conformity UKCA	UKCA declaration DL UNIV
PDF	EPD	EPD EN DOWNLIGHT UNIVERSAL

	Photometric and lighting design files	Document name
IES	IES file (IES)	DL UNIV D200 V 18W MS 830 WT LEDV

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	Photometric and lighting design files	Document name
	IES file (IES)	DL UNIV D200 V 18W MS 840 WT LEDV
	LDT file (Eulumdat)	DL UNIV D200 V 18W MS 830 WT LEDV
	LDT file (Eulumdat)	DL UNIV D200 V 18W MS 840 WT LEDV
	UGR file (UGR table)	DL UNIV D200 V 18W MS 830 WT LEDV
	UGR file (UGR table)	DL UNIV D200 V 18W MS 840 WT LEDV
	Light distribution curve type cone	DL UNIV D200 V 18W MS 830 WT LEDV
	Light distribution curve type cone	DL UNIV D200 V 18W MS 840 WT LEDV
	Light distribution curve type polar	DL UNIV D200 V 18W MS 830 WT LEDV
	Light distribution curve type polar	DL UNIV D200 V 18W MS 840 WT LEDV

	CAD/BIM files	Document name
	BIM Revit 3D	Downlight-Universal
	CAD STEP 3D	DL UNIV D200

	Tender texts	Document name
	Tender documents	DOWNLIGHT UNIVERSAL D200 V 18W ML 83040 WT-en

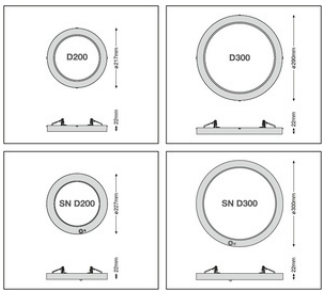
LOGISTICAL DATA

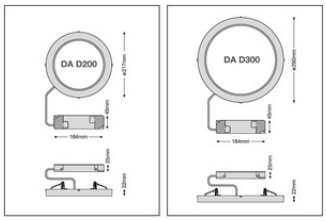
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854541094	Folding box 1	235 mm x 225 mm x 60 mm	562.00 g	3.17 dm^3
4099854541100	Shipping box 14	489 mm x 447 mm x 252 mm	8880.00 g	55.08 dm^3

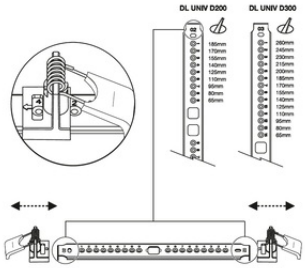
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION

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References / Links

– For Guarantee see www.ledvance.com/guarantee

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