

PRODUCT DATASHEET

DL UNIV DA D200 V 18W ML 83040 WT

DOWNLIGHT UNIVERSAL DALI | Semi-recessed downlights suitable for refurbishment of existing ceiling cut-outs with external DALI-2 driver



Areas of application

- Direct replacement for recessed luminaires with 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 power steps (Multi Color / Multi Lumen)
- External DALI-2 driver included for flexible lumen settings via dip switch on device
- Energy savings thanks to high system efficacy: up to 140 lm/W
- Very homogenous light distribution
- Further variants with on/off and sensor available

Product features

- Multi Color function: 3000 K and 4000 K
- Multi Lumen function: 2 power 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)



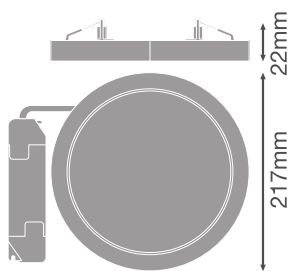
- Suitable for through wiring
- Lifetime (L80/B10): up to 50,000 h (at 25 °C)

TECHNICAL DATA**Electrical data**

Nominal wattage	18 W / 9 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	84 mA
Inrush current	33 A
Inrush current time T_{h50}	13.8 μ s
Max. number of luminaires per miniature circuit breaker B16	22
Max. number of luminaires per miniature circuit breaker C10	18
Max. number of luminaires per miniature circuit breaker C16	29
Power factor λ	0.90
Total harmonic distortion	< 30 %
Protection class	II
Operating mode	External LED driver
Dimming interface	DALI-2 / IoT

Photometrical data

Luminous flux	2350 lm / 2250 lm / 1200 lm / 1150 lm
Luminous efficacy	130 lm/W / 125 lm/W / 135 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 sdc _m
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	110 °



DL UNIV DA D200 V 18W ML
83040 WT

Materials & Colors

Product color	White
Housing color	White
RAL Color (most similar)	RAL 9003
Body 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	Yes
Type of dimming	DALI
IoT ready	Support of DALI data type PART 251, 252, 253 ¹⁾
Mounting type	Recessed
Mounting location	Ceiling
Application environment	Indoor
Mounting diameter	65...185 mm
Mounting depth	22,0 mm
Adjustable	No
With light source	Yes

Replaceable light source	No
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1) Internet of Things. Supports data transfer via gateway to cloud-based monitoring platforms, such as LEDVANCE VIVARES Cloud

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	400mA / 200 mA
ECG - Output ripple current	< 10 %
ECG - Length	105.00 mm
ECG - Width	45.00 mm
ECG - Height	25.00 mm
Recommended control gear	DR DALI-P-30 220-240 700

Emergency lighting

Type of emergency operation test	None
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Certificates & Standards

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

Additional product data

Added function	MULTI SELECT / VIVARES
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Accessories Optional

Product image	Product name	EAN
	DL UNIV RING D200 BK	4099854541452

Product image	Product name	EAN
	DL UNIV RING D200 BN	4099854541476
	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
	User instruction / safety instructions	G11249993 DOWNLIGHT UNIVERSAL
	Legal information	Informationstext 18 Abs 4 ElektroG
	Legal information	Safety Insert G11207793
	Legal information	G11252354 Light source insert
	Legal information	Legal insert DL UNIV
	Declarations of conformity	CE declaration DL UNIV
	Declarations of conformity UKCA	UKCA declaration DL UNIV
	EU Data Act	DALI LED Driver and Luminaires

Photometric and lighting design files		Document name
	IES file (IES)	DL UNIV DA D200 V 18W MS 830 WT LEDV
	IES file (IES)	DL UNIV DA D200 V 18W MS 840 WT LEDV
	LDT file (Eulumdat)	DL UNIV DA D200 V 18W MS 830 WT LEDV
	LDT file (Eulumdat)	DL UNIV DA D200 V 18W MS 840 WT LEDV
	UGR file (UGR table)	DL UNIV DA D200 V 18W MS 830 WT LEDV
	UGR file (UGR table)	DL UNIV DA D200 V 18W MS 840 WT LEDV
	Light distribution curve type cone	DL UNIV DA D200 V 18W MS 830 WT LEDV
	Light distribution curve type cone	DL UNIV DA D200 V 18W MS 840 WT LEDV
	Light distribution curve type polar	DL UNIV DA D200 V 18W MS 830 WT LEDV
	Light distribution curve type polar	DL UNIV DA 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 DALI D200 V 18W ML 83040 WT-en

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854541339	Folding box 1	235 mm x 225 mm x 60 mm	672.00 g	3.17 dm ³
4099854541346	Shipping box 14	489 mm x 447 mm x 252 mm	10420.00 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.

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.