

PRODUCT DATASHEET

DL ALU DALI DN 150 14 W 3000 K IP44/IP20 WT

DOWNLIGHT ALU DALI | Downlight luminaires with aluminum housing and DALI driver



Areas of application

- Direct replacement for luminaires with compact fluorescent lamps
- General illumination
- Public areas
- Stairways
- Corridors
- Foyers
- Shops

Product benefits

- Advanced functionality due to already included DALI driver
- DALI driver with individual luminaire current set-up already installed
- High luminous efficacy
- Energy savings up to 60 % (compared to luminaires that use CFL lamps)
- Very homogenous light
- Functional design
- Easy installation with fast connection
- 5 years guarantee

Product features



- Advanced applications with DALI light installations
- Diameter of required ceiling cut-out: 150 mm or 200 mm (depending on version)
- Type of protection: IP44

TECHNICAL DATA

Electrical data

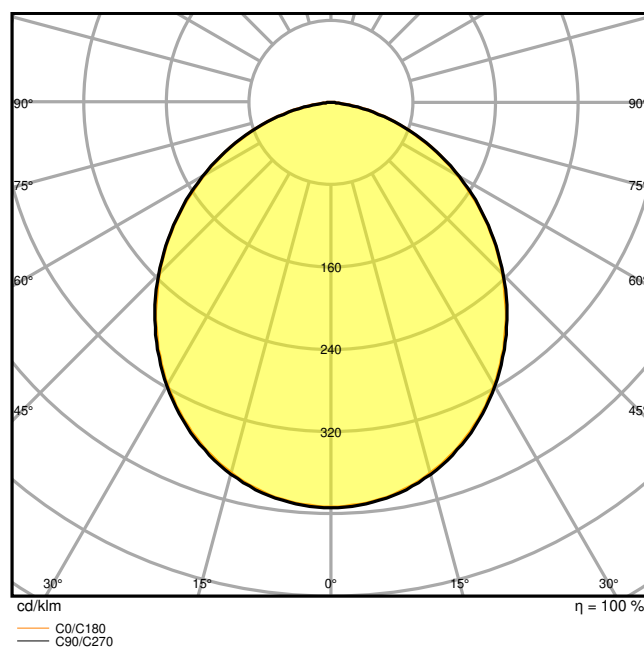
Nominal wattage	14.00 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	100.000 mA
Inrush current	20 A
Inrush current time T_{h50}	140 μ s
Max. number of luminaires per miniature circuit breaker B16	32
Max. number of luminaires per miniature circuit breaker C10	31
Max. number of luminaires per miniature circuit breaker C16	53
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	External LED driver
Dimming interface	DALI-2

Photometrical data

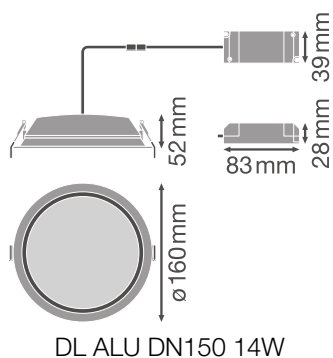
Luminous flux	1190 lm
Luminous efficacy	85 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	> 80
Standard deviation of color matching	< 6 sdcn
Luminous intensity	-
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG0
Photobiological safety group acc. to EN62471	RG0
Beam angle	100 °

Materials & Colors

Product color	White
Housing color	White



DL ALU DALI DN150 14W 3000K WT IP44



Body material	Aluminum
Cover material	Polymethylmethacrylate (PMMA)
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-20...+45 °C
Type of connection	Screwless terminal, 5-Pole
Type of protection	IP44/IP20
Protection class IK (shock resistance)	IK02
Dimmable	Yes
Type of dimming	DALI
Mounting type	Recessed
Mounting location	Ceiling
Application environment	Indoor
Mounting diameter	150 mm
Mounting depth	100 mm
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	50000 h ¹⁾
Lifespan L80/B10 at 25 °C	45000 h ¹⁾
Lifespan L80/B50 at 25 °C	45000 h
Lifespan L90/B10 at 25 °C	30000 h
Number of switching cycles	100000

¹⁾ t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Certificates & Standards

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

Additional product data

Number of illuminants	Not relevant
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Added function	VIVARES
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Accessories Optional

Product image	Product name	EAN
	EM CONVERSION BOX	4058075237025

Upgrade and replacement components

Components Light Control		
Product image	Product name	EAN
	MANUAL CONTROL UNIT SELECT DALI-2	4058075837485
	MANUAL CONTROL UNIT SELECT DALI-2 TW	4058075837508
	MANUAL CONTROL UNIT SELECT DALI-2 EXCHANGEABLE COVER TW	4058075837522
	MANUAL CONTROL UNIT TOUCH DALI-2 TW	4058075837560
	MANUAL CONTROL UNIT TOUCH DALI-2	4058075837546
	PUSH CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075837584
	SURFACE MOUNT FRAME	4058075843561

Product image	Product name	EAN
	PUSHBUTTON COUPLER DALI-2	4058075837607
	FLEX CONTROL UNIT IOT DALI-2 HCL TW	4058075841888
	FLEX CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075841901
	FLEX CONTROL UNIT DALI-2 TW	4058075843844
	FLEX CONTROL UNIT REAL-TIME-CLOCK DALI-2 HCL TW	4058075841925
	SENSOR DALI-2 LIGHT/PRESENCE-6 INFRARED CEILING INTEGRATION	4058075837621
	SENSOR DALI-2 LIGHT/PRESENCE-8 INFRARED CEILING INTEGRATION	4058075841949
	SENSOR DALI-2 LIGHT/PRESENCE-40X5 INFRARED CEILING INTEGRATION	4058075843868
	SENSOR DALI-2 LIGHT/PRESENCE-24 INFRARED CEILING MOUNTING	4058075843882
	SENSOR CEILING MOUNTING KIT	4058075843905

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	DOWNLIGHT ALU DALI
	Legal information	LSI DL ALU DALI
	Legal information	Informationstext 18 Abs 4 ElektroG
	Declarations of conformity	Declaration of conformity
	Declarations of conformity UKCA	DL ALU DALI WT IP44
	EU Data Act	DALI LED Driver and Luminaires
Photometric and lighting design files		Document name
	IES file (IES)	DL ALU DALI DN150 14W 3000K WT IP44
	LDT file (Eulumdat)	DL ALU DALI DN150 14W 3000K WT IP44
	ULD file (DIALux)	DL ALU DALI DN150 14W-3000K WT
	ROLF file (RELUX)	DL ALU DALI DN150 14W-3000K
	UGR file (UGR table)	DL ALU DALI DN150 14W 3000K WT IP44
	Light distribution curve type cone	DL ALU DALI DN150 14W 3000K WT IP44
	Light distribution curve type polar	DL ALU DALI DN150 14W 3000K WT IP44
CAD/BIM files		Document name
	BIM Revit 3D	Downlight ALU
	CAD STEP 3D	DL ALU 14W

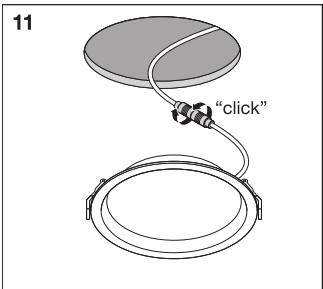
Tender texts	Document name
 Tender documents	DOWNLIGHT ALU DALI 150 14 W 3000 K IP44IP20 WT-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075202610	Folding box 1	322 mm x 222 mm x 114 mm	525.00 g	8.15 dm³
4058075202627	Shipping box 8	658 mm x 466 mm x 263 mm	4955.00 g	80.64 dm³

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



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.