

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



GERMAN
DESIGN
AWARD
NOMINEE
2019



VALUE
CLASS

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

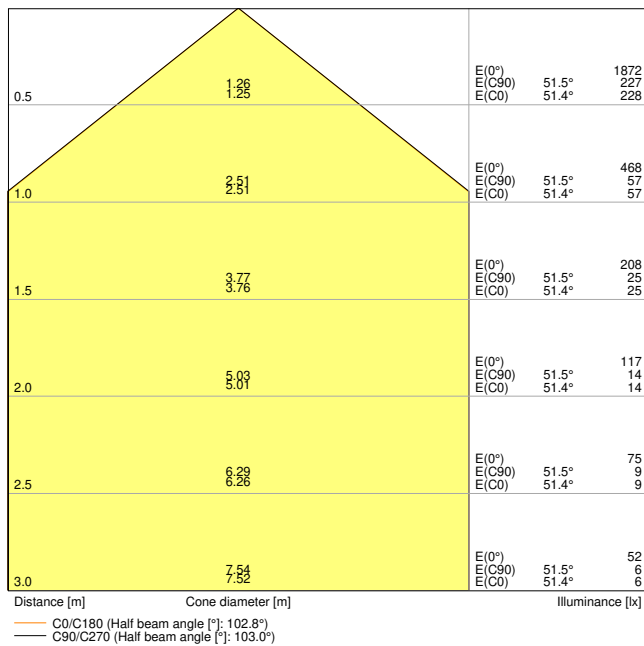
TECHNICAL DATA

Electrical data

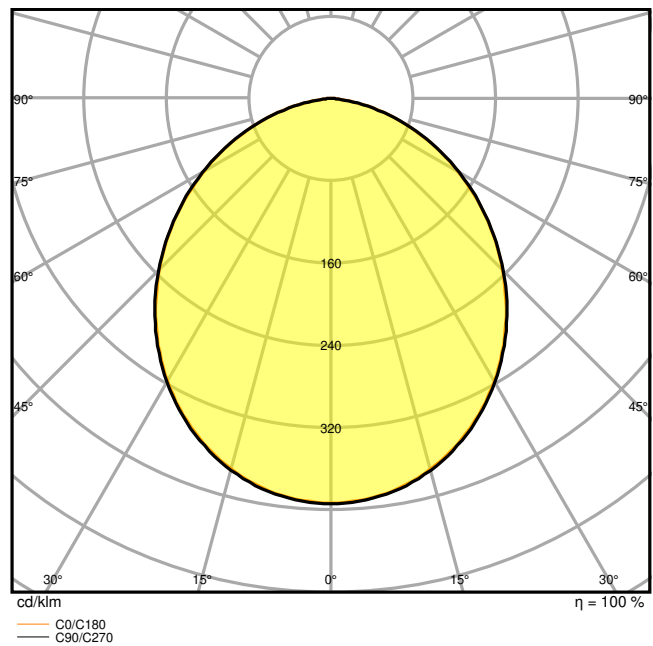
Nominal wattage	14.00 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	100.000 mA
Inrush current	20 A
Inrush current time T_{h50}	140 μ s
Max. number of luminaires per miniature circuit breaker B16	32
Max. number of luminaires per miniature circuit breaker C10	31
Max. number of 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 sdc _m
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 °



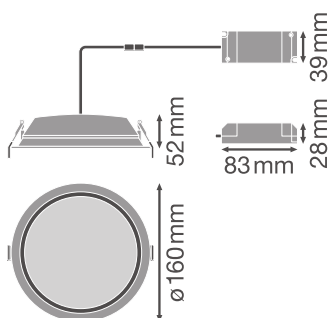
DL ALU DALI DN150 14W 3000K WT IP44



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Dimensions & Weight

Diameter	160.00 mm
Height	52.00 mm
Product weight	360.00 g



DL ALU DN150 14W

Materials & Colors

Product color	White
Housing color	White

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

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
Added function	VIVARES












Accessories Optional





Product image	Product name	EAN
	EM CONVERSION BOX	4058075237025

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
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

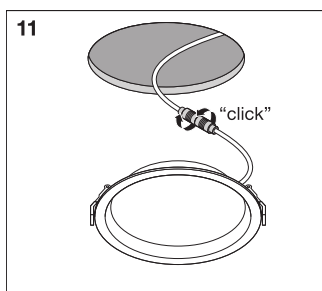
Photometric and lighting design files		Document name
	Light distribution curve type polar	DL ALU DALI DN150 14W 3000K WT IP44
CAD/BIM files		Document name
	BIM Revit 3D	Downlight ALU
	CAD STEP 3D	DL ALU 14W
Tender texts		Document name
	Tender documents	DOWNLIGHT ALU DALI 150 14 W 3000 K IP44IP20 WT-EN

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 dm ³
4058075202627	Shipping box 8	658 mm x 466 mm x 263 mm	4955.00 g	80.64 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



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.