PRODUCT DATASHEET
DL ALU DN 150 14 W 4000 K IP44/IP20 WT

DOWNLIGHT ALU | Downlight luminaires with aluminum housing

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

- 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
- External driver for extended flexibility (compatible with selected DALI drivers)
- 5 years guarantee

Product features

- Diameter of required ceiling cut-out: 150 mm or 200 mm (depending on version)
- Type of protection: IP44

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TECHNICAL DATA

Electrical data

Nominal wattage	14.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	100 mA
Inrush current	4 A
Max. number of luminaires per miniature circuit breaker B16	128
Max. number of luminaires per miniature circuit breaker C10	80
Max. number of luminaires per miniature circuit breaker C16	128
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	External LED driver

Photometrical data

Luminous flux	1260 lm
Luminous efficacy	90 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	≤6 sdcm
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 °

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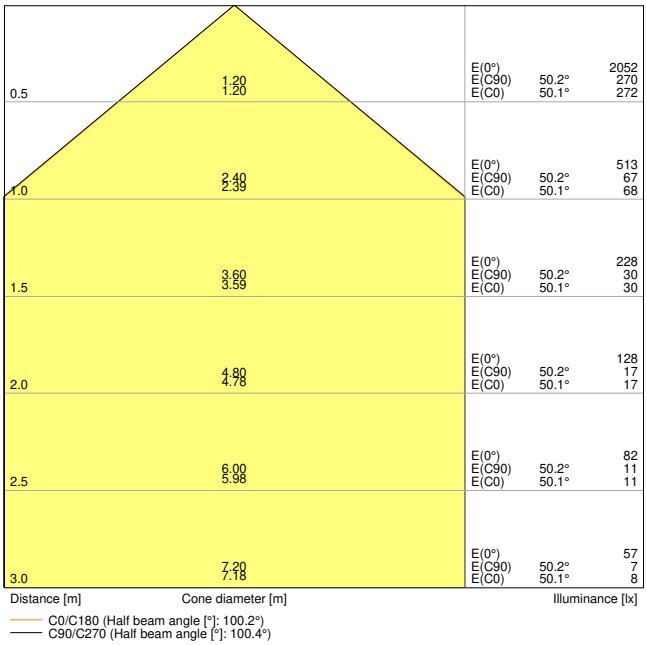
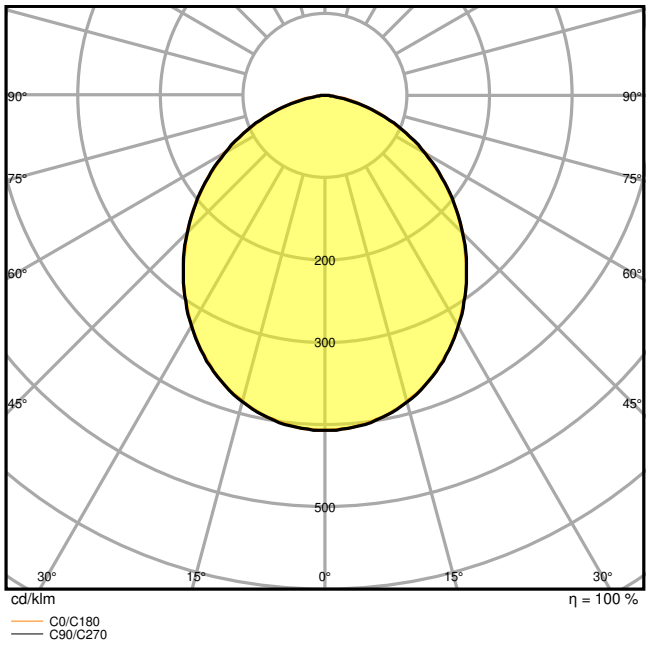


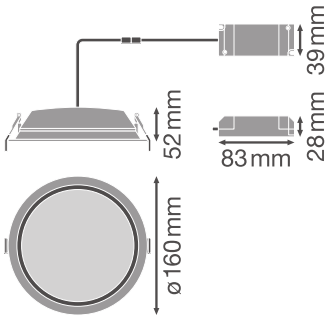
DL ALU DN150 14W 4000K WT IP44



DL ALU DN150 14W 4000K WT IP44

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

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

Application & Mounting

Ambient temperature range	-20…+45 °C
Temperature range at storage	-20…+80 °C
Type of connection	Screwless terminal, 2-Pole
Type of protection	IP44/IP20
Protection class IK (shock resistance)	IK02
Dimmable	No
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)

Control gear

Output current	300 mA
ECG - Output ripple current	< 45 %
ECG - Length	83 mm
ECG - Width	39 mm
ECG - Height	28 mm

Certificates & Standards

Standards	CE / CB / ENEC / TÜV SÜD

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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

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
PDF	User instruction / safety instructions	UI Downlight ALU
PDF	On-Pack-Info	Legal Insert Downlight LED ALU+Comfort
PDF	Legal information	LSI DL ALU
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Declarations of conformity	EU Declaration of Conformity DOWNLIGHT ALU LEDV
PDF	Declarations of conformity	CE-Certificate Downlight ALU TUV
PDF	Declarations of conformity UKCA	UKCA Declaration of Conformity DL ALU WT IP44

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	Photometric and lighting design files	Document name
	IES file (IES)	DL ALU DN150 14W 4000K WT IP44
	LDT file (Eulumdat)	DL ALU DN150 14W 4000K WT IP44
	ULD file (DIALux)	DOWNLIGHTALU15014W4000KIP44WT
	ROLF file (RELUX)	DL ALU DN150 14W-4000K
	UGR file (UGR table)	DL ALU DN150 14W 4000K WT IP44
	Light distribution curve type cone	DL ALU DN150 14W 4000K WT IP44
	Light distribution curve type polar	DL ALU DN150 14W 4000K 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 150 14 W 4000 K IP44IP20 WT-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075091450	Folding box 1	175 mm x 175 mm x 85 mm	480.00 g	2.60 dm^3
4058075091467	Shipping box 8	365 mm x 365 mm x 185 mm	4140.00 g	24.65 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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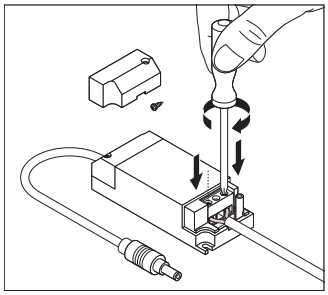

References / Links

– For Guarantee see www.ledvance.com/guarantee

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