PRODUCT DATASHEET
DL ALU EM DN150 14 W 3000 K AT 3H WT

Starters for single operation at 230 V AC (ST 111, ST 171, ST 173) | Starters for single operation at 230 V AC

Areas of application

– Emergency illumination of escape routes
– Antipanic lighting
– Buildings requiring up to 3 h emergency light operation
– Direct replacement for luminaires with compact fluorescent lamps
– General illumination
– Public areas
– Corridors, stairways, entrance areas
– Shops

VALUE CLASS

Product benefits

– Seamless integration of luminaires with emergency lighting function into general lighting
– Easy wiring thanks to included prewired driver and battery for Emergency lighting function
– Simple testing of luminaires with emergency lighting function thanks to integrated automatic test function
– Convenient visualization of results of automatic test with an included control LED
– Operation of integrated emergency lighting function with long life LiFePO4 battery with 3h battery discharge time
– High luminous efficacy in normal operation
– Energy savings of up to 60 % compared to luminaires that use CFL
– Very homogenous light
– Functional design
– Easy installation with fast connection
– 3 years guarantee

Product features

– Luminaire suited for normal lighting and emergency lighting
– Certified according to European norms (EN 60598-1:2015; EN 60598-2-22:2014)
– Self-contained luminaires
– Emergency lighting function: battery discharge time of 3 h
– Function test of emergency lighting: automatic (AT)
– Battery technology: LiFePO4
– 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
Operating mode	External LED driver
Nominal current	100 mA
Type of current	AC
Inrush current	4 A
Mains frequency	50…60 Hz
Total harmonic distortion	< 15 %
Power factor λ	> 0.90

Photometrical data

Luminous intensity	-
Luminous flux	1190 lm
Luminous efficacy	85 lm/W
Light color (designation)	Warm White
Color temperature	3000 K
Color rendering index Ra	> 80
Light color	830
Standard deviation of color matching	≤6 sdcm
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-

Light technical data

Beam angle	100 °
Starting time	< 0.2 s

Dimensions & Weight
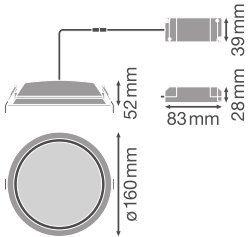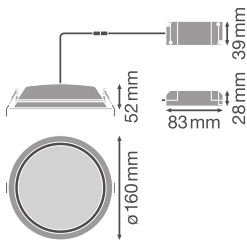
Diameter	160.00 mm
Product weight	710.00 g

Temperatures & operating conditions

Ambient temperature range	+5…+40 °C

Lifespan

Lifespan L70/B50 at 25 °C	50000 h [1)
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)

Additional product data

Mercury content	0.0 mg

Capabilities

Dimmable	No

Certificates & Standards

Type of protection	IP44/IP20
Standards	CE / CB / EAC
Photobiological safety group acc. to EN62778	RG0

Country-specific categorizations

Order reference	DL ALU DN150 14

LOGISTICAL DATA

Temperature range at storage	5…+35 °C

Energy labelling regulation data acc EU 2019/2015

Height	52.00 mm

EQUIPMENT / ACCESSORIES

– Control LED with a retainer for recessed installation included

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	UI_Downlight_Alu_Emergency
PDF	Declarations of conformity	EC declaration of EM downlight
PDF	Certificates	EC declaration of EM downlight

	Photometric and lighting design files	Document name
IES	IES file (IES)	DL ALU DN150 14W 3000K WT EM AT 3H
LDT	LDT file (Eulumdat)	DL ALU DN150 14W 3000K WT EM AT 3H
ULD	ULD file (DIALux)	DL ALU DN150 14W-3000K WT
ROLF	ROLF file (RELUX)	DL ALU DN150 14W-3000K
	UGR file (UGR table)	DL ALU DN150 14W 3000K WT EM AT 3H
	Light distribution curve type cone	DL ALU DN150 14W 3000K WT EM AT 3H
	Light distribution curve type polar	DL ALU DN150 14W 3000K WT EM AT 3H

	CAD/BIM files	Document name
RFA	BIM Revit 3D	Downlight ALU
STEP	CAD STEP 3D	DL ALU 14W

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.