PRODUCT DATASHEET
DL CMFT HE DA D150 P 15W 840 U19 WT

DOWNLIGHT COMFORT HIGH EFFICIENCY DALI UGR<19 | Downlight luminaires with aluminum housing, high luminous efficacy and low glare, external DALI-2 driver including energy monitoring

Areas of application

- Direct replacement for recessed luminaires with fluorescent lamps
- Offices, conference rooms
- Reception areas, foyers, corridors, elevators

Product benefits

- Energy savings thanks to high system efficacy: up to 145 lm/W
- Through wiring possible via included connector box
- High grade polycarbonate front frame for reduced overall luminaire weight
- Flexible thanks to two operation modes: both UV tubes on or shielded UV tube on
- Uniform light with minimized glare thanks to included reflector and diffuser
- Well suited for retrofitting using an extension ring as separate accessory
- DALI-2 certified incl. Parts 251, 252, 253
- Push DIM application for easy control

Product features

- Lifetime (L80/B10): up to 100,000 h (at 25 °C)
- Consistent lighting color ≤ 3 SDCM
- External driver with Multi Lumen function of up to 5220 lm
- Aluminum luminaires with 3 different cut-outs and mirror-finished reflector UGR ≤ 19

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– Very homogenous light distribution and reduced glare of UGR ≤ 19

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TECHNICAL DATA

Electrical data

Nominal wattage	15 W / 12 W / 10 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	68mA / 59mA / 50 mA
Inrush current	25.2 A
Inrush current time T_{h50}	6.8 µs
Max. number of luminaires per miniature circuit breaker B16	29
Max. number of luminaires per miniature circuit breaker C10	23
Max. number of luminaires per miniature circuit breaker C16	38
Power factor λ	≥ 0.90
Total harmonic distortion	≤ 20 %
Protection class	II
Surge capability (L-N)	1000 V
Dimming interface	DALI-2 / IoT

Photometrical data

Luminous flux	2100 lm / 1680 lm / 1400 lm
Total luminous flux of contained light sources	1600 lm
Luminous efficacy	140 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	3 sdcm
Luminous intensity	2300 lm / 2000 lm / 1600 lm
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	55 °
UGR	19

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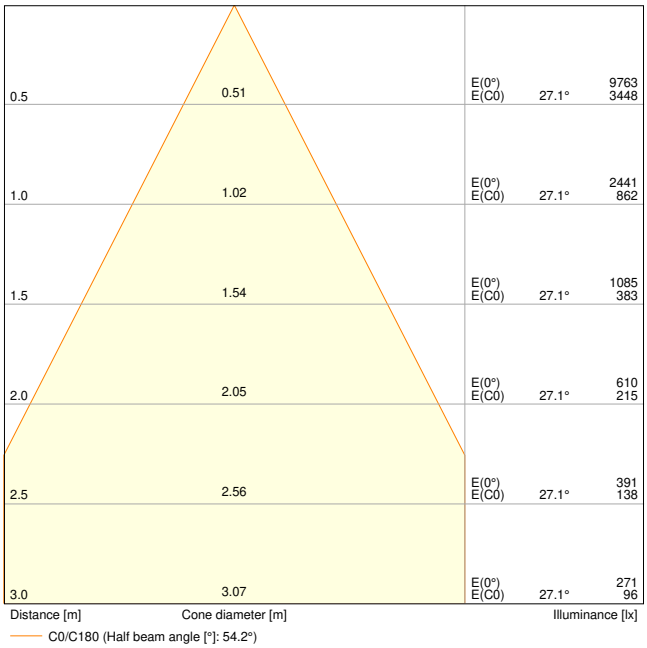

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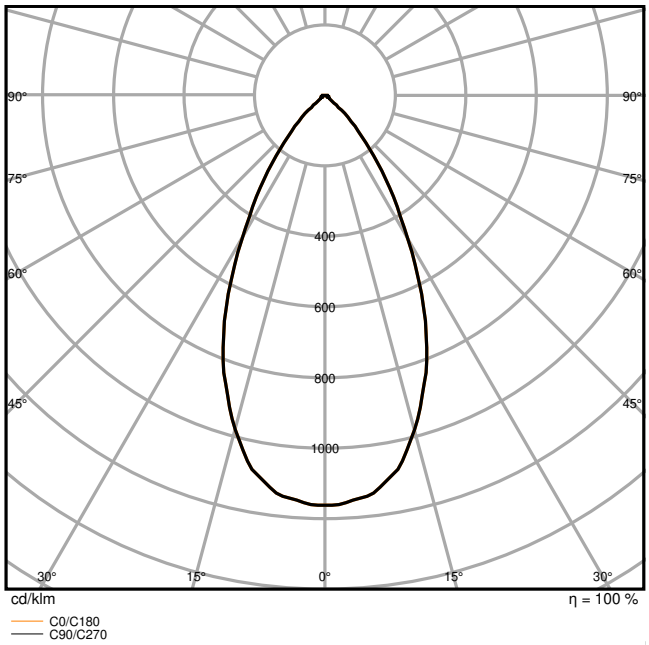

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Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
15 W	4000 K	2100 lm	140 lm/W
12 W	4000 K	1680 lm	140 lm/W
10 W	4000 K	1400 lm	140 lm/W

Dimensions & Weight

Diameter	160.00 mm
Height	91.80 mm
Product weight	390.00 g

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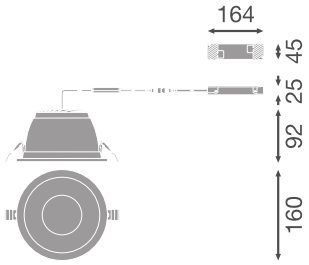

DL CMFT HE DA D150 P 15W

Materials & Colors

Product color	White
Housing color	White
Body material	Aluminum
Cover 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, 5-Pole
Type of protection	IP44/IP20
Protection class IK (shock resistance)	IK03
Dimmable	Yes
Type of dimming	DALI2
IoT ready	Support of DALI data type PART 251, 252, 253 [1)]
Mounting location	Ceiling / Wall
Application environment	Indoor
Mounting diameter	150 mm
Mounting depth	92 mm
With light source	Yes
Replaceable light source	No

1) Internet of Things. Supports data transfer via gateway to cloud-based monitoring platforms, such as LEDVANCE VIVARES Cloud

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Lifespan

Lifespan L70/B50 at 25 °C	100000 h [1)]
Lifespan L80/B10 at 25 °C	100000 h [1)]
Lifespan L80/B50 at 25 °C	100000 h
Lifespan L90/B10 at 25 °C	63000 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	350mA / 300mA / 250 mA
ECG - Output ripple current	≤ 10 %
Recommended control gear	DR DALI-P-30/220-240/700

Emergency lighting

Type of emergency operation test	None
Wattage in emergency operation mode	3 W
Luminous flux in emergency operation mode	360 lm

Certificates & Standards

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

Additional product data

Product remark	Available from December 2025

Accessories Optional

Product image	Product name	EAN
	DL CMFT EXCH RING D150 GY	4099854515439
	DL CMFT EXCH RING D150 BK	4099854515316

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Product image	Product name	EAN
	DL CMFT EXT RING D190 WT	4099854687723
	DL CMFT EXT RING D190 GY	4099854687600
	DL CMFT EXT RING D190 BK	4099854687570

EQUIPMENT / ACCESSORIES

- Security rope for luminaire included
- External control gear included
- Connector box with 5-pole terminal included
- Surface mounting frame options only available for DALI versions D200 and D250
- Gray and black exchangeable rings available as separate accessory
- Extension rings are available as separate accessory
- Extension ring D190 for retrofitting D150 luminaire, extension ring D240 for retrofitting D200 luminaire

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	User Instruction G11252880 DONWLIGHT COMFORT HE DALI
PDF	Legal information	Legal Insert G11120030
PDF	Legal information	LUM PANELS_SI
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	LSI G11253078 DL CMFT HE DA

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	Documents and certificates	Document name
PDF	Declarations of conformity	DL CMFT LUM
PDF	Declarations of conformity UKCA	DL CMFT LUM
PDF	EU Data Act	DALI LED Driver and Luminaires

	Photometric and lighting design files	Document name
	IES file (IES)	DL CMFT HE DA D150 P 15W ML 840 U19 WT
	LDT file (Eulumdat)	DL CMFT HE DA D150 P 15W ML 840 U19 WT
	UGR file (UGR table)	DL CMFT HE DA D150 P 15W ML 840 U19 WT
	Light distribution curve type cone	DL CMFT HE DA D150 P 15W ML 840 U19 WT
	Light distribution curve type polar	DL CMFT HE DA D150 P 15W ML 840 U19 WT

	CAD/BIM files	Document name
	CAD STEP 3D	DL CMFT D150 MS U19

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854687105	Folding box 1	185 mm x 185 mm x 115 mm	482.00 g	3.94 dm^3
4099854687112	Shipping box 8	390 mm x 390 mm x 260 mm	4856.00 g	39.55 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.

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