

PRODUCT DATASHEET

DL CMFT HE D150 P 15W ML 830 OP WT

DOWNLIGHT COMFORT HIGH EFFICIENCY OPAL | Downlight luminaires with aluminum housing and very high luminous efficacy



PERFOR-
MANCE
CLASS

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 155 lm/W
- Through wiring possible via included connector box
- High grade polycarbonate front frame for reduced overall luminaire weight
- Easy and quick installation thanks to connector box with 3-pole toolless terminal
- Uniform light with minimized glare thanks to included reflector and diffuser
- Highly versatile due to selectable power steps (Multi Lumen) via dip switches on the driver
- Well suited for retrofitting using an extension ring as separate accessory

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 5580 lm
- Aluminum luminaires with 3 different cut-outs and opal diffuser
- Very homogenous light distribution



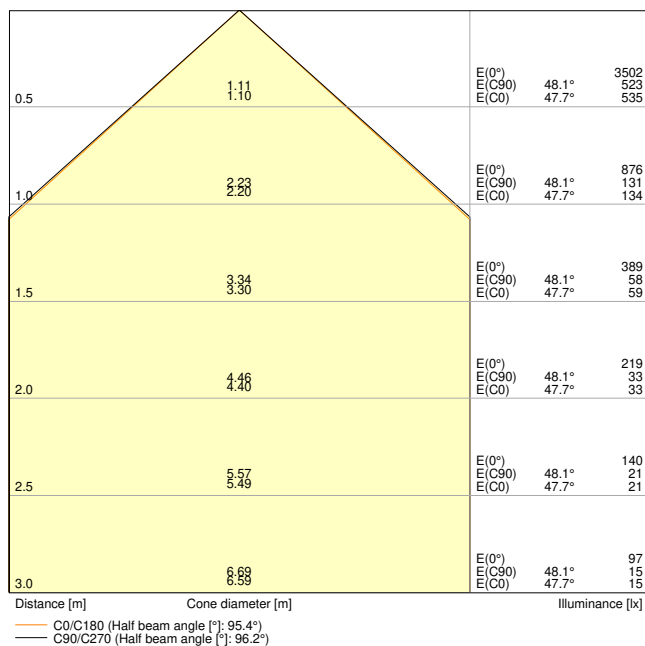
TECHNICAL DATA

Electrical data

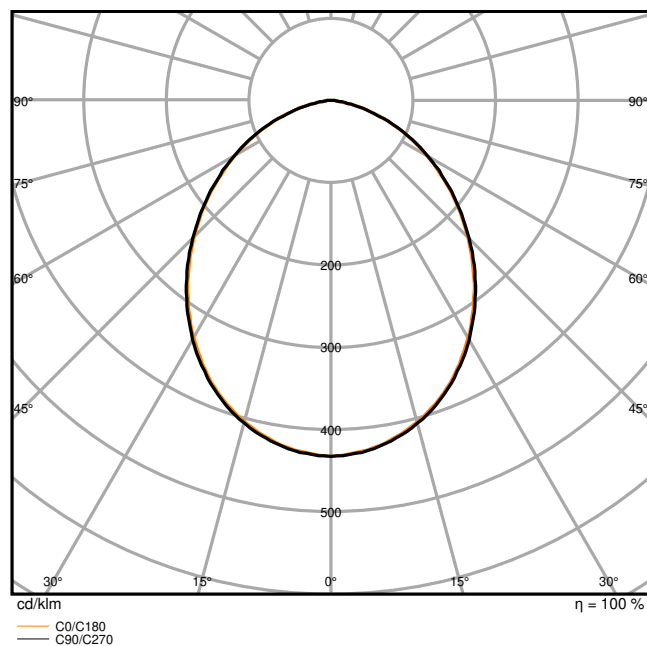
Nominal wattage	15 W / 12 W / 10 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	68mA / 59mA / 50 mA
Inrush current	25.2 A
Inrush current time T_{h50}	6.8 μ s
Max. number of luminaires per miniature circuit breaker B16	29
Max. number of luminaires per miniature circuit breaker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

Photometrical data

Luminous flux	2025 lm / 1680 lm / 1400 lm
Total luminous flux of contained light sources	1800 lm
Luminous efficacy	135 lm/W / 140 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	> 80
Standard deviation of color matching	3 sdcn
Luminous intensity	840 lm / 730 lm / 600 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	95 °



DL CMFT HE D150 P 15W ML 830 OP WT



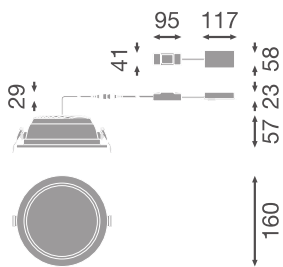
DL CMFT HE D150 P 15W ML 830 OP WT

Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
15 W	3000 K	2025 lm	135 lm/W
12 W	3000 K	1680 lm	140 lm/W
10 W	3000 K	1400 lm	140 lm/W

Dimensions & Weight

Diameter	160.00 mm
Height	57.10 mm
Product weight	315.00 g



DL CMFT HE D150 P 15W ML

Materials & Colors

Product color	White
Housing color	White
RAL Color (most similar)	RAL 9003
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, 3-Pole
Type of protection	IP44/IP20
Protection class IK (shock resistance)	IK03
Dimmable	No
Mounting location	Ceiling / Wall
Application environment	Indoor
Mounting diameter	150 mm
Mounting depth	57,0 mm
With light source	Yes
Replaceable light source	No

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	65000 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	P0-PB18ML-4035

Emergency lighting

Type of emergency operation test	None
Wattage in emergency operation mode	3 W
Luminous flux in emergency operation mode	375 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

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
	DL CMFT FRAME D150 GY	4099854500008
	DL CMFT FRAME D150 WT	4099854499968
	DL CMFT FRAME D150 BK	4099854499982

EQUIPMENT / ACCESSORIES

- Security rope for luminaire included
- External control gear included
- Connector box with 3-pole terminal included
- Surface mounting frame options available
- 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
	User instruction / safety instructions	DOWNLIGHT COMFORT HE
	Legal information	Legal Insert G11120030
	Legal information	Safety Insert G11207793
	Legal information	Informationstext 18 Abs 4 ElektroG
	Legal information	LSI G11253077 DL CMFT HE
	Declarations of conformity	DL CMFT LUM
	Declarations of conformity UKCA	DL CMFT LUM
	Certificates	ENEC Certificate DL CMFT HE
Photometric and lighting design files		Document name
	IES file (IES)	DL CMFT HE D150 P 15W ML 830 OP WT
	LDT file (Eulumdat)	DL CMFT HE D150 P 15W ML 830 OP WT
	UGR file (UGR table)	DL CMFT HE D150 P 15W ML 830 OP WT
	Light distribution curve type cone	DL CMFT HE D150 P 15W ML 830 OP WT
	Light distribution curve type polar	DL CMFT HE D150 P 15W ML 830 OP WT
CAD/BIM files		Document name
	CAD STEP 3D	DL CMFT D150 MS OP
Tender texts		Document name
	Tender documents	DOWNLIGHT COMFORT HIGH EFFICIENCY OPAL D150 P 15W ML 830 OP WT-en

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854687204	Folding box 1	185 mm x 185 mm x 100 mm	402.00 g	3.42 dm ³
4099854687211	Shipping box 8	390 mm x 390 mm x 230 mm	4216.00 g	34.98 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.