

PRODUCT DATASHEET

BIOLUX HCL DL DN150 ZB 20W 2700-6500K

BIOLUX HCL DOWNLIGHT | Downlight luminaires, Tunable White, Zigbee



AREAS OF APPLICATION

- Single room solution for up to 20 BIOLUX HCL luminaires combined with BIOLUX HCL control unit
- Meeting and conference rooms
- Offices with little or no daylight

PRODUCT BENEFITS

- BIOLUX HCL luminaire combined with BIOLUX HCL control unit provides lighting solutions for individual requirements
- Biologically optimized lighting by adapting artificial light to natural daylight course
- 5 years BIOLUX HCL system guarantee when operated as part of a BIOLUX HCL system (BIOLUX HCL CONTROL UNIT in combination with BIOLUX HCL luminaire(s))
- Can support working with more concentration
- Good glare reduction ($UGR \leq 19$)

PRODUCT FEATURES

- Ready for connection to BIOLUX HCL control unit
- Adjustable color temperature via Tunable White: 2,700...6,500 K
- Wireless communication between control unit and luminaires via ZigBee protocol
- Color rendering index $R_a: > 90$



TECHNICAL DATA

Electrical data

Nominal wattage	20.00 W
Operating mode	External LED driver
Nominal voltage	220...240 V
Mains frequency	50/60 Hz
Power factor λ	≥ 0.90
Max. no. of lum. on circuit break. B16 A	128
Max. no. of lum. on circuit break. C10 A	80
Max. no. of lum. on circuit break. C16 A	128
Inrush current	20.0 A
Total harmonic distortion	< 20 %
Inrush current time T_{h50}	500 μ s

Luminaire control gear data

Low flicker	Yes
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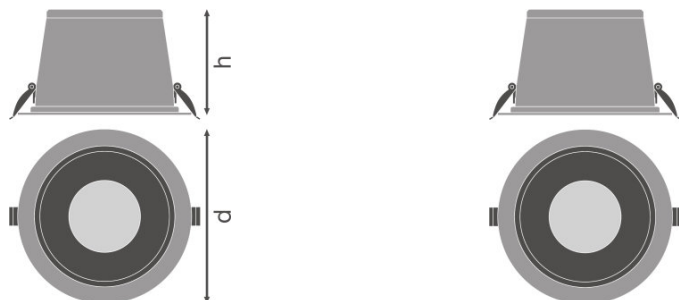
Photometrical data

Color temperature	2700...6500 K
Color rendering index Ra	>90
Light color (designation)	Warm White/Cool White/Cool Daylight
Luminous flux	1800 lm
Luminous efficacy	90 lm/W
Standard deviation of color matching	<4 sdc _m

Light technical data

Beam angle	60 °
UGR lateral	<19
UGR longitudinal	<19

Dimensions & weight



Diameter	175.4 mm
Height	98.9 mm
Product weight	550.00 g

Colors & materials

Product color	White
Housing color	White
Body material	Aluminum
Cover material	Polycarbonate (PC)

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
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Lifespan

Number of switching cycles	50000
Lifespan L70/B50 at 25 °C	50000 h
Lifespan L80/B10 at 25 °C	40000 h
Lifespan L90/B10 at 25 °C	25000 h

Additional product data

Mounting type	Recessed
Mounting location	Ceiling
Low flicker	Yes
Product remark	Available from March 2020

Capabilities

Dimmable	Yes
Type of connection	Terminal, 3-Pole (L, N, PE)
LED module replaceable	Not replaceable

Certificates & standards

Type of protection	IP20
Protection class	II
Protection class IK (shock resistance)	IK03
Glow Wire Test according to IEC 695-2-1	850 °C
Photobiological safety group EN62778	RG 1
Standards	CE/CB/EAC/RoHS

EQUIPMENT / ACCESSORIES

- LEDVANCE BIOLUX HCL app required for commissioning only (available for Android and iOS)

SAFETY ADVICE

Important operating notice and legal disclaimer: This product is exclusively intended for operation as part of a BIOLUX HCL system (BIOLUX HCL CONTROL UNIT in combination with BIOLUX HCL luminaire(s) including built-in or supplied firmware/software). LEDVANCE GmbH assumes no responsibility, liability, warranty or guarantee for the operation of the product in combination or conjunction with third-party products or other products that are not BIOLUX HCL system products.

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075400733	Folding carton box 1	189 mm x 189 mm x 141 mm	674.00 g	5.04 dm ³
4058075400740	Shipping carton box 4	397 mm x 207 mm x 308 mm	3175.00 g	25.31 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

LEGAL ADVICE

The use of the LEDVANCE BIOLUX App is exclusively subject to the LEDVANCE BIOLUX App Terms of Use, which are displayed during installation of the app and are available in the app

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.