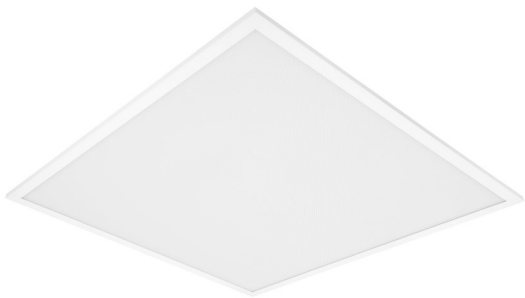


# PRODUCT DATASHEET

## BIOLUX HCL PL 600 ZB 43W 2700-6500K

BIOLUX HCL PANEL | Square recessed panel luminaire, Tunable White, Zigbee



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### 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

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### 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 < 19)

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### 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	43.00 W
Operating mode	External LED driver
Nominal voltage	220...240 V
Mains frequency	50/60 Hz
Power factor $\lambda$	$\geq 0.90$
Inrush current	20.0 A
Total harmonic distortion	< 20 %
Inrush current time $T_{h50}$	500 $\mu$ s

### Luminaire control gear data

Output current	1100 mA
Low flicker	Yes
Max. no. of lum. on circuit break. B16 A	68
Max. no. of lum. on circuit break. C10 A	42
Max. no. of lum. on circuit break. C16 A	68

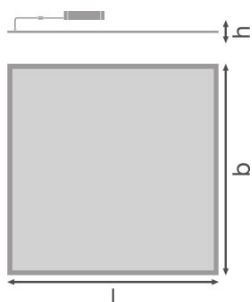
### Photometrical data

Color temperature	2700...6500 K
Color rendering index Ra	>90
Light color (designation)	Warm White/Cool White/Cool Daylight
Luminous flux	4000 lm
Luminous efficacy	95 lm/W
Standard deviation of color matching	<4 sdc <sub>m</sub>

### Light technical data

Beam angle	80.00 °
UGR lateral	<19
UGR longitudinal	<19

## Dimensions &amp; weight



<b>Length</b>	595.0 mm
<b>Width</b>	595.0 mm
<b>Height</b>	11.0 mm
<b>Product weight</b>	3000.00 g

## Colors &amp; materials

<b>Product color</b>	White
<b>Housing color</b>	White
<b>Body material</b>	Aluminum
<b>Cover material</b>	Polymethylmethacrylate (PMMA)

## Temperatures &amp; operating conditions

<b>Ambient temperature range</b>	-20...+40 °C
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## Lifespan

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

## Additional product data

<b>Mounting type</b>	Recessed
<b>Mounting location</b>	Ceiling
<b>Product remark</b>	Available from March 2020

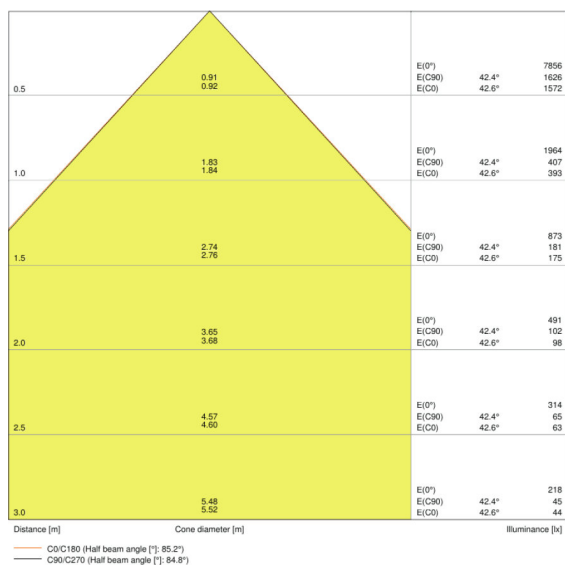
## Capabilities

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

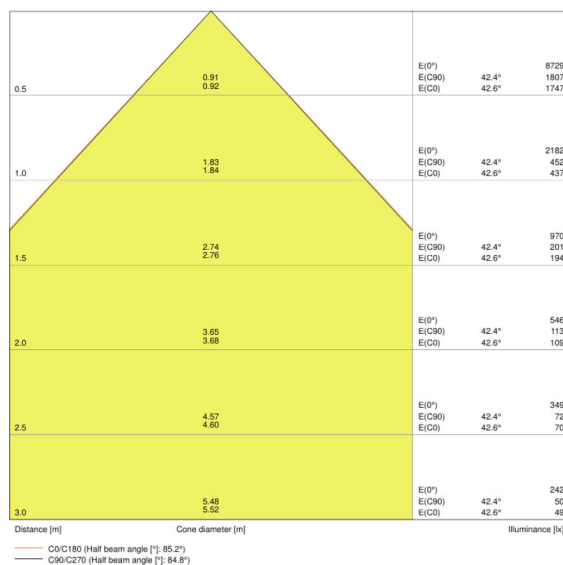
Certificates & standards

Type of protection	IP20
Protection class	II
Protection class IK (shock resistance)	IK03
Glow Wire Test according to IEC 695-2-1	650 °C
Photobiological safety group EN62778	RG 1
Standards	CE/CB/EAC/RoHS

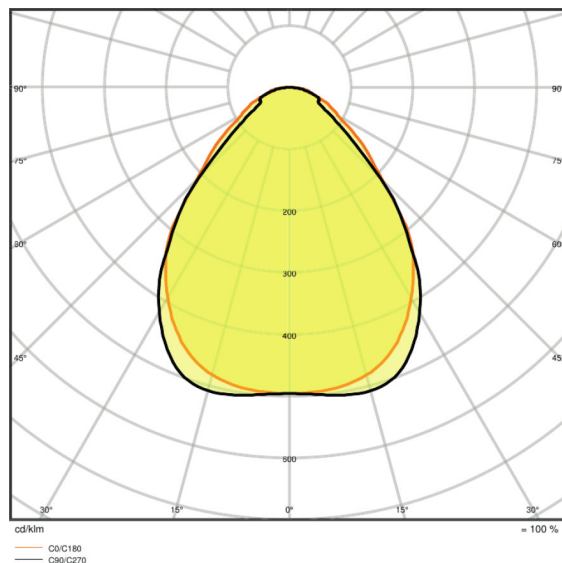
Light Distribution



LDC typ cone

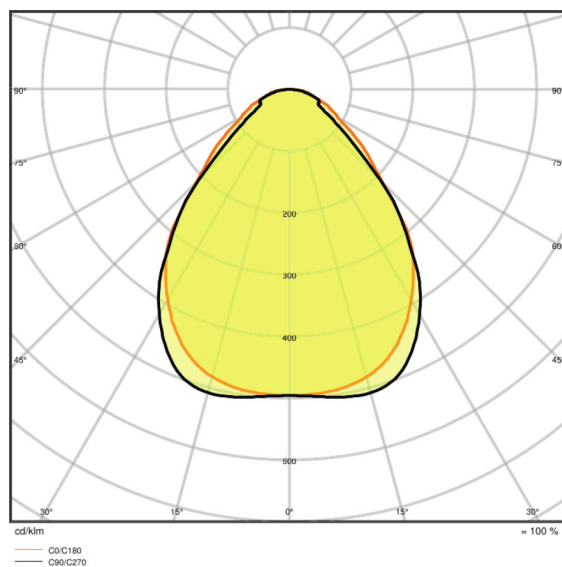
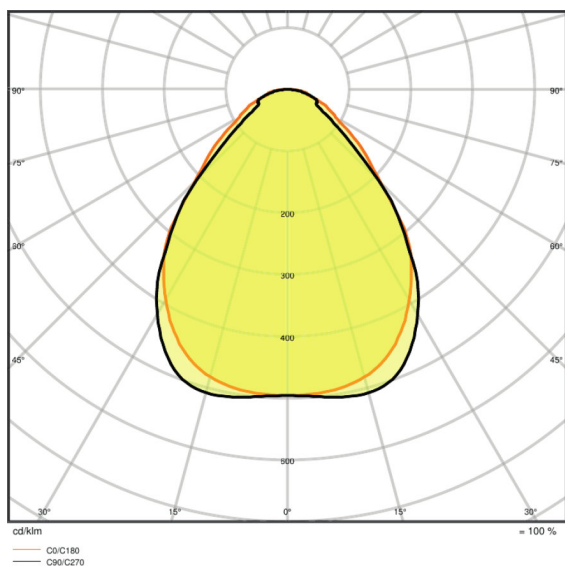


LDC typ cone



LDC typ cone

LDC typ polar



LDC typ polar

LDC typ polar

**EQUIPMENT / ACCESSORIES**

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

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## 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.

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## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075364547	Folding carton box 1	648 mm x 51 mm x 651 mm	3748.00 g	21.51 dm <sup>3</sup>
4058075364554	Shipping carton box 4	667 mm x 222 mm x 670 mm	16375.00 g	99.21 dm <sup>3</sup>

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.

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## REFERENCES / LINKS

For Guarantee see

▶ [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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## 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

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## DISCLAIMER

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