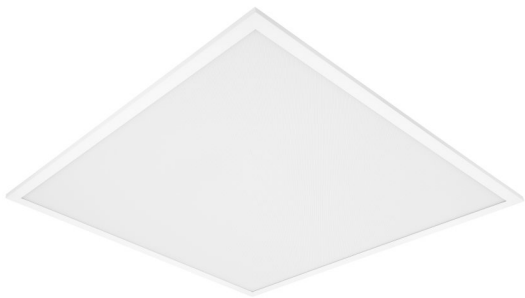


PRODUCT FAMILY DATASHEET

BIOLUX HCL PANEL

Square recessed panel luminaire, 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
- Can support working with more concentration
- Good glare reduction (UGR < 19)
- 5 years guarantee

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

Product description	Electrical data								Luminaire control gear data
	Inrush current	Power factor λ	Nominal wattage	Nominal voltage	Mains frequency	Inrush current time T_{h50}	Total harmonic distortion	Operating mode	Max. no. of lum. on circuit break. C16 A
BIOLUX HCL PL 600 ZB 43W 2700-6500K ¹⁾	20.0 A	≥ 0.90	43.00 W	220...240 V	50/60 Hz	500 μ s	< 20 %	External LED driver	68
BIOLUX HCL PL 625 ZB 43W 2700-6500K ¹⁾	20.0 A	≥ 0.90	43.00 W	220...240 V	50/60 Hz	500 μ s	< 20 %	External LED driver	68

Product description	Output current	Max. no. of lum. on circuit break. B16 A	Low flicker	Max. no. of lum. on circuit break. C10 A	Photometrical data			
					Color temperature	Color rendering index Ra	Standard deviation of color matching	Luminous efficacy
BIOLUX HCL PL 600 ZB 43W 2700-6500K ¹⁾	1100 mA	68	Yes	42	2700...6500 K	>90	<4 sdc	95 lm/W
BIOLUX HCL PL 625 ZB 43W 2700-6500K ¹⁾	1100 mA	68	Yes	42	2700...6500 K	>90	<4 sdc	95 lm/W

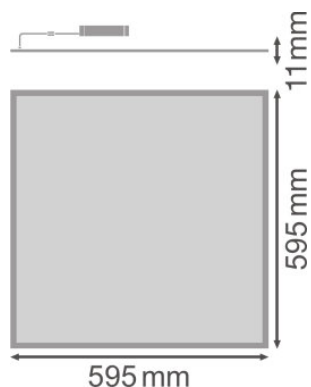
Product description	Luminous flux	Light color (designation)	Light technical data	Dimensions & weight			Colors & materials				Temperatures & operating conditions
			Beam angle	Width	Height	Product weight	Product color	Housing color	Cover material	Body material	Ambient temperature range
BIOLUX HCL PL 600 ZB 43W 2700-6500K ¹⁾	4000 lm	Warm White/Cool White/Cool Daylight	80.00 °	595.0 mm	11.0 mm	3000.00 g	White	White	Polymethylmethacrylate (PMMA)	Aluminum	-20...+40 °C
BIOLUX HCL PL 625 ZB 43W 2700-6500K ¹⁾	4000 lm	Warm White/Cool White/Cool Daylight	80.00 °	620.0 mm	11.0 mm	3220.00 g	White	White	Polymethylmethacrylate (PMMA)	Aluminum	-20...+40 °C

Product description	Lifespan				Capabilities		
	Number of switching cycles	Lifespan L90/B10 at 25 °C	Lifespan L80/B10 at 25 °C	Lifespan L70/B50 at 25 °C	Dimmable	Type of connection	LED module replaceable
BIOLUX HCL PL 600 ZB 43W 2700-6500K ¹⁾	50000	25000 h	40000 h	50000 h	Yes	Terminal, 3-Pole (L, N, PE)	Not replaceable
BIOLUX HCL PL 625 ZB 43W 2700-6500K ¹⁾	50000	25000 h	40000 h	50000 h	Yes	Terminal, 3-Pole (L, N, PE)	Not replaceable

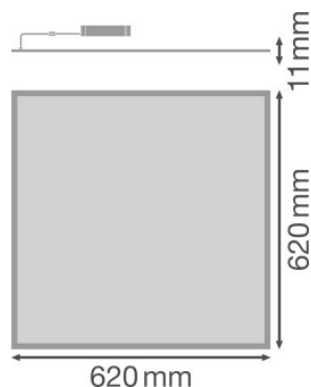
Product description	Certificates & standards			
	Standards	Protection class IK (shock resistance)	Glow Wire Test according to IEC 695-2-1	Protection class
BIOLUX HCL PL 600 ZB 43W 2700-6500K ¹⁾	CE/CB/EAC/RoHS	IK03	650 °C	II
BIOLUX HCL PL 625 ZB 43W 2700-6500K ¹⁾	CE/CB/EAC/RoHS	IK03	650 °C	II

Product description	Photobiological safety group EN62778	Type of protection
BIOLUX HCL PL 600 ZB 43W 2700-6500K ¹⁾	RG 1	IP20
BIOLUX HCL PL 625 ZB 43W 2700-6500K ¹⁾	RG 1	IP20

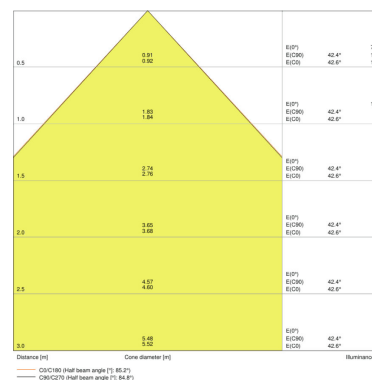
¹⁾ Available from March 2020



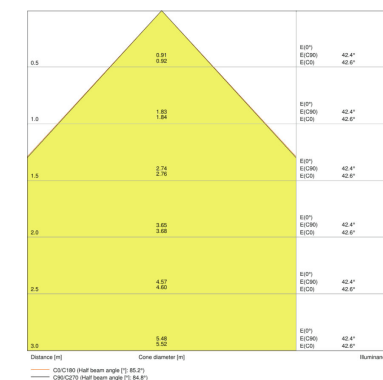
BIOLUX HCL PL 600 ZB 43W 2700-6500K



BIOLUX HCL PL 625 ZB 43W 2700-6500K



BIOLUX HCL PL 600 ZB 43W 2700-6500K



BIOLUX HCL PL 625 ZB 43W 2700-6500K

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.

APPLICATION ADVICE

For more detailed application information and graphics please see product datasheet.

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075364554	Shipping carton box 4	667 mm x 222 mm x 670 mm	16375.00 g	99.21 dm ³
4058075364578	Shipping carton box 4	693 mm x 222 mm x 695 mm	16349.00 g	106.92 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.