PRODUCT DATASHEET
BIOLUX HCL PL 625 ZB 43W 2700-6500K

ZIGBEE BIOLUX HUMAN CENTRIC LIGHTING | Wireless light management system which is following the course of natural daylight by high-specified artificial light

Areas of application

– Lighting solution for up to 40 BIOLUX HCL luminaires - BIOLUX HCL LED strips combined mit BIOLUX HCL control unit
– Open-plan office solution for up to 200 BIOLUX HCL luminaires combined with VIVARES ZIGBEE control unit
– Hotel and office rooms with little daylight

Product benefits

– Enables an individual lighting solution in combination with compatible Zigbee HCL lighting controls
– 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- - VIVARES ZIGBEE control unit in combination with BIOLUX HCL luminaire(s) - BIOLUX HCL LED strips)
– Can support working with more concentration
– Good glare reduction (UGR ≤ 19)

Product features

– Zigbee 3.0 certified Tunable White luminaires - LED strips for simple integration into partner systems
– 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 luminaries via Zigbee protocol
– Very high color rendering index Ra: > 90

TECHNICAL DATA

Electrical data

Nominal wattage	43.00 W
Nominal voltage	220…240 V
Input voltage range	220…240 V
Type of current	AC
Nominal current	203 mA
Inrush current	20 A
Mains frequency	50…60 Hz
Total harmonic distortion	< 20 %
Power factor λ	≥0.90

Photometrical data

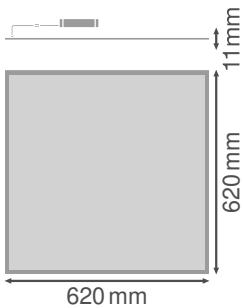|	
Luminous efficacy	95 lm/W
Luminous flux	4000 lm
Luminous intensity	-
Color temperature	2700…6500 K
Color rendering index Ra	> 90
Light color (designation)	Warm White / Cool White / Cool Daylight
Standard deviation of color matching	≤3 sdcm
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-

Light technical data

Beam angle	80 °
Starting time	< 0.5 s

Luminaire control gear data

Low flicker	Yes

Dimensions & Weight

Length	620.00 mm
Width	620.00 mm
Height	11.00 mm
Product weight	3220.00 g

Colors & materials

Product color	White
Body material	Aluminum
Cover material	Polymethylmethacrylate (PMMA)

Temperatures & operating conditions

Ambient temperature range	-20…+40 °C
Temperature range in operation	-20…+40 °C

Lifespan

Lifespan L70/B50 at 25 °C	50000 h
Number of switching cycles	50000

Additional product data

Mounting location	Ceiling
Low flicker	Yes

Capabilities

Dimmable	Yes
Dimming interface	Zigbee 3.0
Suitable for emergency lighting	No

Certificates & Standards

Standards	CE / CB / ENEC / EAC
Protection class	II
Type of protection	IP20

Accessories Optional

Product image	Product name	EAN
	PANEL 625 SURFACE MOUNT KIT H75	4058075472938
	CONNECTOR BOX 5POLE L/N 4x	4058075473010

EQUIPMENT / ACCESSORIES

– LEDVANCE BIOLUX app required for commissioning of the BIOLUX HCL system only (available for Android and iOS)
– LEDVANCE VIVARES app for project planning and required for commissioning of the VIVARES ZIGBEE system 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- or VIVARES ZIGBEE control unit in combination with BIOLUX HCL-Luminaire(s) / BIOLUX HCL LED strips 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- / VIVARES ZIGBEE system products.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	BIOLUX HCL CONTROL UNIT
PDF	User instruction / safety instructions	BIOLUX HCL PL ZB
PDF	Extended installation guide	BIOLUX HCL SYSTEM EN
PDF	Extended installation guide	BIOLUX HCL FR
PDF	Extended installation guide	BIOLUX HCL SYSTEM DE

	Documents and certificates	Document name
PDF	Extended installation guide	Quick Installation Guide VIvares Zigbee
PDF	Legal information	BIOLUX HCL PL ZB
PDF	Legal information	BIOLUX HCL PL
PDF	Declarations of conformity	BIOLUX HCL
PDF	Certificates	VDE BIOLUX HCL
PDF	Certificates	VDE BIOLUX HCL
PDF	Certificates	VDE BIOLUX HCL

	Photometric and lighting design files	Document name
	IES file (IES)	BIOLUX HCL PL 625 ZB 43W 6500K
	IES files (IES, additional)	BIOLUX HCL PL 625 ZB 43W 4000K
	IES files (IES, additional)	BIOLUX HCL PL 625 ZB 43W 2700K
	LDT file (Eulumdat)	BIOLUX HCL PL 625 ZB 43W 2700K
	LDT files (Eulumdat, additional)	BIOLUX HCL PL 625 ZB 43W 4000K
	LDT files (Eulumdat, additional)	BIOLUX HCL PL 625 ZB 43W 6500K
	ULD file (DIALux)	BIOLUX HCL PL 625 ZB 43W 2700-6500K
	ROLF file (RELUX)	BIOLUX HCL PL 625 ZB
	UGR file (UGR table)	BIOLUX HCL PL 625 ZB 43W 4000K
	Light distribution curve type cone	BIOLUX HCL PL 625 ZB 43W 2700K
	Light distribution curve type cone	BIOLUX HCL PL 625 ZB 43W 6500K
	Light distribution curve type cone	BIOLUX HCL PL 625 ZB 43W 4000K

	Photometric and lighting design files	Document name
	Light distribution curve type polar	BIOLUX HCL PL 625 ZB 43W 6500K
	Light distribution curve type polar	BIOLUX HCL PL 625 ZB 43W 4000K
	Light distribution curve type polar	BIOLUX HCL PL 625 ZB 43W 2700K

	CAD/BIM files	Document name
	BIM Revit 3D	BIOLUX HCL PL
	CAD STEP 3D	HCL PL 625

	Tender texts	Document name
	Tender documents	BIOLUX HCL PANEL ZIGBEE 625 ZB 43W 2700-6500K-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075364561	Folding box 1	51 mm x 673 mm x 675 mm	3778.00 g	23.17 dm³
4058075364578	Shipping box 4	693 mm x 222 mm x 695 mm	16349.00 g	106.92 dm³

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- / VIVARES-app is exclusively subject to the LEDVANCE BIOLUX- - VIVARES-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.