PRODUCT DATASHEET
BIOLUX HCL CONTROL UNIT S ZB

BIOLUX HCL CONTROL UNIT GEN 2 | Control Unit for BIOLUX Human Centric Lighting (HCL) compatible products, tool-free installation, Zigbee 3.0

Areas of application

– Lighting solution for up to 48 BIOLUX HCL products (luminaires/ LED strips / VIVARES occupancy sensors)
– Meeting and conference rooms
– Hotel and office rooms with little daylight
– Nursery and elderly homes
– Hospitals

Product benefits

– Easy and quick installation of the BIOLUX HCL-lighting system (BIOLUX HCL CONTROL UNIT in combination with BIOLUX HCL-luminaire(s) / BIOLUX HCL LED strips / VIVARES occupancy sensor) thanks to wireless Zigbee 3.0 technology
– Automated commissioning and setup by LEDVANCE BIOLUX app, no programming, registration or cloud required
– Intuitive control of BIOLUX HCL luminaires - BIOLUX HCL LED strips via control unit
– Easy selection of the appropriate lighting modes for different working situations
– Orientation light in the control unit if luminaires are switched-off
– 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) - BIOLUX HCL LED strips and VIVARES occupancy sensor)

Product features

– LEDVANCE designed high-value product
– 6 preprogrammed lighting modes intuitively selectable: RELAX, CREATE, NATURAL, FOCUS, BOOST and ON/OFF
– Selected lighting mode is shown on the display of the control unit
– Intuitive timetable mode for individual date and time settings of the 6 lighting modes in the BIOLUX app for automated course
– Switch on/off the lights with the control unit and/or optional VIVARES occupancy sensor
– Implemented FAQ and installation guide in the BIOLUX app for quick support during the on-site installation
– Installation in standard flush-mounted boxes like used for lighting switches and sockets
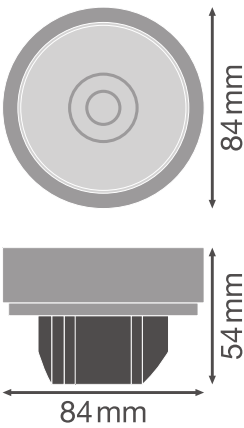
TECHNICAL DATA

Electrical data

Nominal wattage	1.00 W
Nominal voltage	220…240 V
Type of current	AC
Mains frequency	50…60 Hz

Luminaire control gear data

Low flicker	Yes

Dimensions & Weight

Height	54.00 mm
Diameter	84 mm
Product weight	226.00 g

Colors & materials

Product color	White
Body material	Polycarbonate|Methacrylate butadiene styrene|Polymethylmethacrylate
Cover material	Polymethylmethacrylate (PMMA)

Temperatures & operating conditions

Ambient temperature range	0…+40 °C
Temperature range in operation	0…+40 °C

Additional product data

Mounting location	Wall
Low flicker	Yes

Number of control outputs	1
Max. connectable push button couplers / sensors	8
Max. number of connected drivers	48
Commissioning App	App (Android/ iOS)
Groups	1

Capabilities

Dimmable	No
Number of control outputs	1
Type of installation	Integrated in flush device box

Certificates & Standards

Standards	CE / UKCA / EAC
Type of protection	IP20

EQUIPMENT / ACCESSORIES

– LEDVANCE BIOLUX app required for commissioning and additional functions time table / sensor configuration / NATURAL test (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), LED strips and VIVARES occupancy sensor 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.
– Important operating notice: The BIOLUX HCL CONTROL UNIT may be rotated clockwise or counterclockwise a maximum of 7,200° (equivalent to 20 complete 360° rotations) per day in total (adding together all operating procedures).

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	BIOLUX HCL CONTROL UNIT
	Extended installation guide	BIOLUX HCL CONTROL UNIT S ZB IT
	Extended installation guide	BIOLUX HCL CONTROL UNIT S ZB ES
PDF	Extended installation guide	BIOLUX HCL CONTROL UNIT QA ES
PDF	Extended installation guide	BIOLUX HCL CONTROL UNIT QA IT
PDF	Extended installation guide	BIOLUX HCL CONTROL UNIT S ZB

	Documents and certificates	Document name
PDF	Extended installation guide	Troubleshooting BIOLUX HCL G2
PDF	On-Pack-Info	3rd party Libraries BIOLUX App
PDF	Legal information	BIOLUX HCL CONTROL UNIT
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Declarations of conformity	CE Declaration Biolux HCL Control Unit S ZB
PDF	Declarations of conformity UKCA	UKCA Declaration Biolux HCL Control Unit S ZB

	Tender texts	Document name
TXT	Tender documents	ZIGBEE BIOLUX HUMAN CENTRIC LIGHTING CONTROL UNIT S ZB-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075724624	Folding box 1	54 mm x 205 mm x 104 mm	288.00 g	1.15 dm³
4058075724631	Shipping box 2	224 mm x 124 mm x 144 mm	678.00 g	4.00 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
– For reference projects see https://www.ledvance.com/professional/lighting-solutions

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.