PRODUCT DATASHEET
BIOLUX HCL LS S TW IP67 ZB KIT

BIOLUX HCL LED STRIP KIT | LED Strip KIT, Tunable White, Zigbee

Areas of application

- Lighting solution for up to 40 BIOLUX HCL luminaires - BIOLUX HCL LED strips combined mit BIOLUX HCL control unit
- KIT available for indoor or outdoor applications
- Cove lighting
- Hotel and office rooms with little daylight

Product benefits

- Set with 5 m LED strip, matching driver and Zigbee adapter
- Set products ZB KIT: 1x LED Strip Superior 2000 lm/m TW (4058075436084), OTi Dali driver 160 W/220-240/24 2CH DT6/8 (4062172177948); Zigbee Dali converter (4062172044776) with strain relief ECO CI KIT (4008321392091)
- Set products IP67 ZB KIT: 1x LED Strip Superior 2000 lm/m TW (4058075436008), OTi Dali driver 160 W/220-240/24 2CH DT6/8 (4062172177948); Zigbee Dali converter (4062172044776) with strain relief ECO CI KIT (4008321392091)
- BIOLUX HCL CONTROL UNIT for LED Strip control must be ordered separately (EAN 4058075308657)
- Extensive accessories can be found on LEDVANCE homepage in product category LED Strips
- 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)

Product features

- Zigbee 3.0 certified Tunable White luminaires - LED strips for simple integration into partner systems
- Ready for connection to BIOLUX HCL and VIVARES ZIGBEE 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
- Smallest cuttable unit: 100 mm

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TECHNICAL DATA

Electrical data

Nominal wattage	108.00 W
Nominal wattage per meter	21.6 W
Nominal voltage	220…240 V
Type of current	DC
Nominal current	57000.000 mA
Mains frequency	50…60 Hz

Photometrical data

Luminous efficacy	78 lm/W
Luminous flux	8450 lm
Luminous flux per meter	1640 lm
Color temperature	2700…6500 K
Color rendering index Ra	> 90
Light color (designation)	Tunable White
Standard deviation of color matching	≤4 sdcm

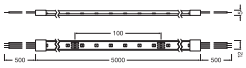
Light technical data

Beam angle	120 °

LED MODULE INFORMATION

Number of LEDs per meter	120

Dimensions & Weight



Length	5000.00 mm
Width	12.00 mm
Height	5.00 mm
Diameter	5.00 mm
Product weight	784.00 g

Temperatures & operating conditions

Ambient temperature range	-15…+45 °C
Temperature range in operation	-15…+45 °C

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Lifespan

Lifespan L70/B50 at 25 °C	50000 h [1)]
Number of switching cycles	15000

1) t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Additional product data

Mounting location	Cove

Capabilities

Dimmable	Yes
Dimming interface	Zigbee 3.0
Lowest bending radius	33,0 mm
Self-adhesive	Yes

Certificates & Standards

Standards	CE
Protection class	II
Type of protection	IP67

Accessories Optional

Product image	Product name	EAN
	LS AY -PF02/U/16X5/10/1	4058075278226
	LS AY -PF03/UW/25X7/12/2	4058075401594
	LS AY -PW03/U/26X26/14/2	4058075401501
	LS AY -PW02/UW/39X26/14/1	4058075278134
	LS AY SUP -CSD/P3	4058075451353

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Product image	Product name	EAN
	LS AY -PM02/R/18X15,5/10/1	4058075278349
	LS AY -PM03/E/19X19/10/2	4058075401716
	LS AY -PM01/UW/21,5X12/10/2	4058075401655
	LS AY -PW01/U/26X8/14/2	4058075401440
	LS AY SUP -12/SMB	4058075451599
	LS AY -PM05/U/17,5X14,5/10/2	4058075401778
	LS AY -PF03/UW/25X7/12/1	4058075278257
	LS AY -PM05/U/17,5X14,5/10/1	4058075279278
	LS AY SUP -CSW/P3/50	4058075451384
	LS AY -PM06/E/18X18/12/2	4058075401808
	LS AY SUP -CP/P3/500	4058075451322
	LS AY -PM04/UW/23X15,5/10/1	4058075278400

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Product image	Product name	EAN
	LS AY -PF01/UW/22X6/10/2	4058075401532
	LS AY -PF04/U/17X7/12/1	4058075278288
	LS AY -PM04/UW/23X15,5/10/2	4058075401747
	LS AY -PF04/U/17X7/12/2	4058075401624
	LS AY -PM02/R/18X15,5/10/2	4058075401686
	LS AY -PW02/UW/39X26/14/2	4058075401471
	LS AY -PM03/E/19X19/10/1	4058075278370
	LS AY -PM01/UW/21,5X12/10/1	4058075278318
	LS AY -PW01/U/26X8/14/1	4058075278103
	LS AY -PW03/U/26X26/14/1	4058075278165
	LS AY -PF02/U/16X5/10/2	4058075401563
	LS AY -PM06/E/18X18/12/1	4058075279308

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Product image	Product name	EAN
	LS AY -PF01/UW/22X6/10/1	4058075278196
	BIOLUX HCL CONTROL UNIT S ZB	4058075724624
	ZIGBEE 3.0 DALI CONV LI	4062172044776
	VIVARES ZB O SENS 220-240	4058075544222
	VIVARES ZB CONTROL	4058075427488
	VIVARES ZB COUPLER	4058075463806
	VIVARES ZB L/O SENS 220-240	4058075446182

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 LED STRIP ZB KIT

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	Documents and certificates	Document name
PDF	User instruction / safety instructions	BIOLUX HCL CONTROL UNIT
PDF	Legal information	LSI BIOLUX HCL LS S
PDF	Legal information	BIOLUX HCL LS S TW ZB
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Declarations of conformity	BIOLUX HCL LS S TW KIT

	Tender texts	Document name
TXT	Tender documents	BIOLUX HCL LED STRIP KIT IP67 ZB KIT-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075671294	Folding box 1	74 mm x 270 mm x 308 mm	985.00 g	6.15 dm^3
4058075671300	Shipping box 4	306 mm x 280 mm x 322 mm	4262.00 g	27.59 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
- Further information for the KIT products can be found on LEDVANCE homepage in the related product categories

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.

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