

# PRODUCT DATASHEET

## BIOLUX HCL LS S TW 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 luminaires via Zigbee protocol
- Very high color rendering index Ra: > 90
- Smallest cuttable unit: 100 mm

## 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                    | 84 lm/W             |
| Luminous flux                        | 9140 lm             |
| Luminous flux per meter              | 1700 lm             |
| Color temperature                    | 2700...6500 K       |
| Color rendering index Ra             | > 90                |
| Light color (designation)            | Tunable White       |
| Standard deviation of color matching | ≤4 sdc <sub>m</sub> |

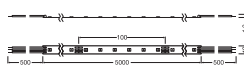
### Light technical data

|            |       |
|------------|-------|
| Beam angle | 120 ° |
|------------|-------|

### LED MODULE INFORMATION

|                          |     |
|--------------------------|-----|
| Number of LEDs per meter | 120 |
|--------------------------|-----|

### Dimensions & Weight



|                |            |
|----------------|------------|
| Length         | 5000.00 mm |
| Width          | 10.00 mm   |
| Height         | 1.20 mm    |
| Diameter       | 1.20 mm    |
| Product weight | 784.00 g   |

### Temperatures & operating conditions

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

**Lifespan**

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 50000 h <sup>1)</sup> |
| 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 | IP00 |

**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 |

| 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 SUP -CSW/P3/50         | 4058075451384 |
|  | LS AY -PM05/U/17,5X14,5/10/1 | 4058075279278 |
|  | LS AY -PM06/E/18X18/12/2     | 4058075401808 |
|  | LS AY SUP -CP/P3/500         | 4058075451322 |
|  | LS AY -PM04/UW/23X15,5/10/1  | 4058075278400 |

| 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 |

| 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               |
|---|-----------------------------|
|  User instruction / safety instructions | BIOLUX HCL LED STRIP ZB KIT |

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

| Tender texts   | Document name  |
|--|--|
|  | Tender documents<br>BIOLUX HCL LED STRIP KIT ZB KIT-EN |

**LOGISTICAL DATA**

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075671270 | Folding box<br>1             | 70 mm x 260 mm x 308 mm              | 1102.00 g    | 5.61 dm <sup>3</sup>  |
| 4058075671287 | Shipping box<br>4            | 290 mm x 270 mm x 322 mm             | 4716.00 g    | 25.21 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.

**References / Links**

- For Guarantee see [www.ledvance.com/guarantee](http://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.