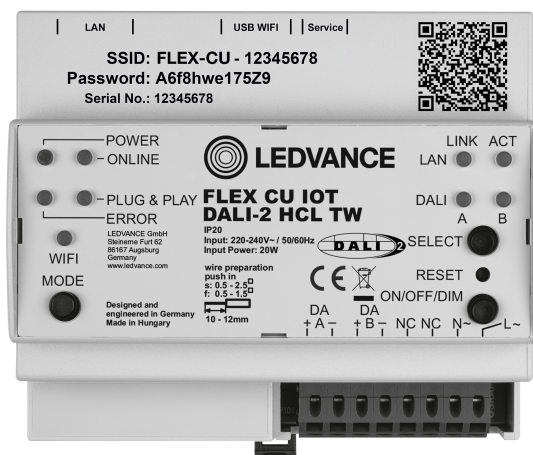


# PRODUCT DATASHEET

## FLEX CONTROL UNIT IOT DALI-2 HCL TW

FLEX CONTROL UNIT IOT DALI-2 HCL TW | Control unit for up-to 128 lights and up-to 126 sensors/pushbutton couplers



### Areas of application

- Area lighting of up-to 1000 sqm with one control unit
- Room and floor control
- Connection of light and presence sensors for automated light control
- RGB and Tunable white applications

### Product benefits

- DALI-2 certified for improved multi-vendor interoperability
- BIOLUX Human Centric Lighting for high quality daylight course in office spaces
- Remote access for changes in the installation from every location
- LAN Interconnect to connect up-to 8 Controller into one network
- Rest API for connection of a 3rd party Cloud with the FLEX CU IOT DALI-2 HCL TW Controller
- Ready for optional VIVARES Cloud Services

### Product features

- DALI-2 certified control unit for up-to 128 lights and 126 sensors-pushbutton couplers
- IoT ready with built-in gateway for remote data access
- Compatible with LEDVANCE DALI IoT WEB UI and DALI IoT CONFIG software
- Building Management System integration via optional KNX interface
- Commissioning process via Ethernet/WLAN
- Small form factor: only 6 TE (DIN rail)
- Cable length of the DALI control cable: up to 300 m

## TECHNICAL DATA

### Electrical data

|                     |             |
|---------------------|-------------|
| Nominal wattage     | 20.00 W     |
| Nominal voltage     | 220...240 V |
| Type of current     | DC          |
| Input current       | 120 mA      |
| Mains frequency     | 50...60 Hz  |
| Operating frequency | 50/60 Hz    |

### Dimensions & Weight



|                                     |                           |
|-------------------------------------|---------------------------|
| Length                              | 91.00 mm                  |
| Width                               | 106.00 mm                 |
| Height                              | 62.00 mm                  |
| Cable cross-section, input side     | 0.5...2.5 mm <sup>2</sup> |
| Wire preparation length, input side | 10...12 mm                |
| Product weight                      | 247.00 g                  |

### Colors & materials

|               |            |
|---------------|------------|
| Product color | Light grey |
|---------------|------------|

### Temperatures & operating conditions

|                                      |              |
|--------------------------------------|--------------|
| Ambient temperature range            | -20...+50 °C |
| Maximum temperature at tc test point | 70 °C        |
| Temperature range in operation       | -20...+50 °C |

### Lifespan

|                            |       |
|----------------------------|-------|
| Number of switching cycles | 30000 |
|----------------------------|-------|

### Additional product data

|                                                 |                    |
|-------------------------------------------------|--------------------|
| Number of control outputs                       | 2                  |
| Max. connectable push button couplers / sensors | 126                |
| Max. number of connected drivers                | 128                |
| Commissioning App                               | Software           |
| Light control tool App                          | App (Android/ iOS) |

|        |    |
|--------|----|
| Groups | 32 |
|--------|----|

### Capabilities

|                           |                                |
|---------------------------|--------------------------------|
| Dimmable                  | No                             |
| Dimming interface         | DALI-2                         |
| Number of control outputs | 2                              |
| Type of installation      | Integrated in flush device box |

### Certificates & Standards

|                           |      |
|---------------------------|------|
| Approval marks – approval | CE   |
| Protection class          | II   |
| Type of protection        | IP20 |

### EQUIPMENT / ACCESSORIES

– App for iOS and Android available for free in the app store

### DOWNLOAD DATA

| Documents and certificates                                                         |                                        | Document name                                                 |
|------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------------------------------|
|  | User instruction / safety instructions | FLEX CU IOT DALI2 HCL TW                                      |
|  | Extended installation guide            | FLEX CU IoT DALI-2 Controller                                 |
|  | On-Pack-Info                           | Privacy Information for LEDVANCE DALI IOT CONFIG tool_Dec2024 |
|  | On-Pack-Info                           | Privacy Information for LEDVANCE DALI IOT CONTROL APP_Dec2024 |
|  | On-Pack-Info                           | Privacy Information for LEDVANCE DALI IOT WEB UI_Dec2024      |
|  | On-Pack-Info                           | Privacy Policy for LEDVANCE DALI IOT Remote Access_Dec2024    |
|  | On-Pack-Info                           | Quick Start Guide DALI-2 IoT Remote Access Service            |
|  | On-Pack-Info                           | Quick Start Guide DALI IoT WebUI Commissioning software       |
|  | On-Pack-Info                           | FAQ VIVARES FLEX CU IOT DALI-2 HCL TW                         |
|  | Legal information                      | Informationstext 18 Abs 4 ElektroG                            |

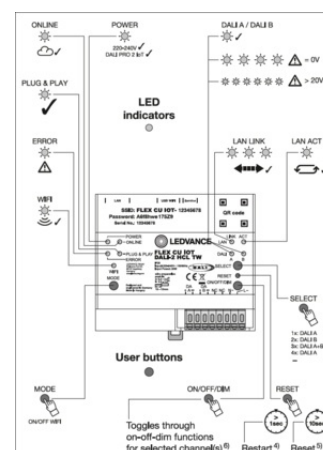
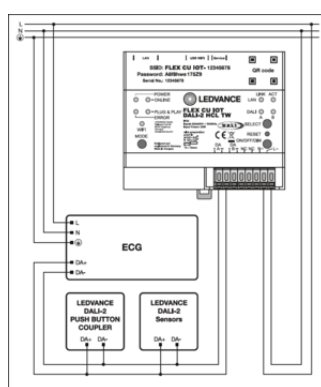
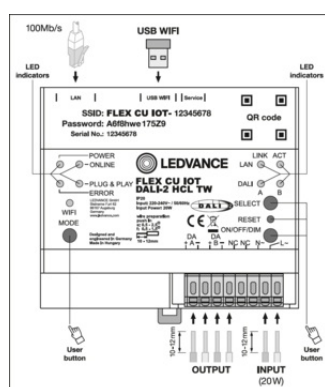
| Documents and certificates                                                       |                            | Document name                                 |
|----------------------------------------------------------------------------------|----------------------------|-----------------------------------------------|
|  | Declarations of conformity | FLEX CU IOT DALI-2 HCL TW                     |
|  | Release notes              | LEDVANCE DALI IoT Config tool 3 1 18 23405 EN |
|  | Release notes              | LEDVANCE DALI IoT Config tool 3 1 18 23405 DE |
|  | Open source components     | LEDVANCE DALI IOT Config Tool                 |
| Tender texts                                                                     |                            | Document name                                 |
|  | Tender documents           | DALI 2 CONTROL UNITS IOT DALI 2 HCL TW-EN     |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075841888 | Folding box<br>1             | 112 mm x 94 mm x 72 mm               | 284.00 g     | 0.76 dm <sup>3</sup>  |
| 4058075841895 | Shipping box<br>20           | 235 mm x 199 mm x 372 mm             | 5905.00 g    | 17.40 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.

## ADDITIONAL CATALOG INFORMATION



## References / Links

– For current information see [www.ledvance.com/light-management-systems](http://www.ledvance.com/light-management-systems)

## DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.