



THE NEW DIMMABLE
LED TUBE EXTERNAL
SYSTEM



**REPLACE LAMP,
KEEP HOUSING**

LED TUBE EXTERNAL SYSTEM
DIMMABLE – REPLACEABLE –
FIT FOR EMERGENCY LIGHTING

WORKING IN THE DARK SOON?

Climate change and rising energy costs are forcing us to rethink and are demanding sustainable solutions. When it comes to lighting, the EU has set specific requirements. As early as in the course of 2023, mercury-containing or inefficient light sources may no longer be placed on the market throughout Europe. The fluorescent tube's fate is sealed and the switch to climate-friendly, future-proof alternatives is inevitable – and is worthwhile thanks to the high potential savings.

But the best thing is that with LEDVANCE the switch is very easy. Whether you need a retrofit, upgrade or new luminaires installed – we offer excellent switching options for different requirements on site. The new LED TUBE EXTERNAL SYSTEM is a particularly versatile solution for existing T5/T8 systems where a direct lamp replacement does not work or a dimmable LED tube solution is required. It is DALI-2 compatible and therefore dimmable, suitable for emergency lighting and, thanks to replaceable components, sustainable and economical.

WE HAVE A BETTER IDEA! LEDVANCE LED TUBE EXTERNAL SYSTEM



DIMMABLE
LED TUBE
SYSTEM

CIRCULAR
ECONOMY
APPROACH

EMERGENCY
LIGHTING

THE MISSION: EASY SWITCH TO LED

- ▶ Simple upgrade of old fluorescent lamp systems with dimmable DALI control to LED technology
- ▶ Clever modernization of luminaires with replaceable lighting components following the circular economy approach
- ▶ Quick equipment of emergency lighting systems with LED tubes

OUR SOLUTION: OPTIMIZED DIMMABLE LED TUBE AND DRIVER SYSTEM

- ▶ Support for the circular economy thanks to replaceable components
- ▶ Easy installation – keep the housing, replace the ECG with the DRIVER LED TUBE EXTERNAL and insert the LED TUBE T5/T8 EXTERNAL
- ▶ Lamp and driver system concept as in fluorescent tube installations

MORE THAN 3 GOOD REASONS LEDVANCE LED TUBE EXTERNAL SYSTEM

Energy-efficient, suitable for emergency lighting and including replaceable components keeping the circular economy in mind. The LEDVANCE LED TUBE EXTERNAL SYSTEM is the first replacement solution to combine these three important product features. Add to that dimmability and simple, cost-saving installation.

REASON 1: HIGH EFFICIENCY

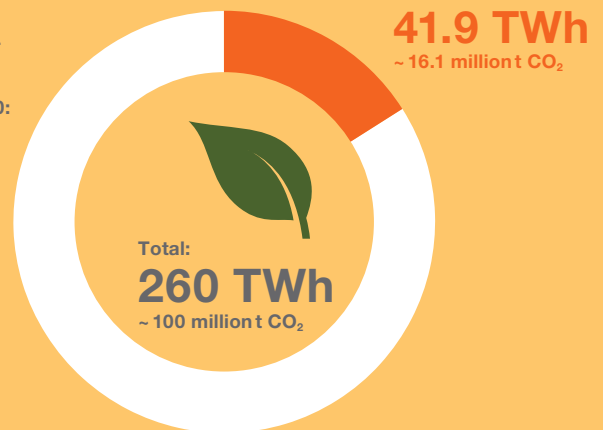
THE CURRENT SITUATION IN EUROPE:

- Lamp ban on T5/T8 tubes from August 2023
- High energy costs because of the energy crisis
- The need to reduce CO₂ emissions in the fight against climate change

► OUR SOLUTION:

- Energy efficiency through switch to LED
- Savings through dimmability of LED tube lighting
- Additional energy savings through integrating a light management system (e.g. with sensors)

ENERGY-
SAVING
TARGET
FOR 2030:



REASON 2: CIRCULAR ECONOMY APPROACH

REPLACEABLE LIGHTING COMPONENTS

- LED tube and driver are easy to replace
- Guaranteed compatibility: matching LED tube and driver system
- SELV system: LED tubes can also be replaced by the facility manager

► LED TUBE EXTERNAL SYSTEM follows the circular economy approach

AVOID WASTE

- Keep the existing luminaire
- Keep the existing light management installation
- Reduce electronic and plastic waste



REASON 3: FIT FOR EMERGENCY LIGHTING*

1. CENTRALIZED BATTERY APPLICATION

The LED TUBE EXTERNAL driver

- carries the emergency lighting symbol (EL symbol) which allows installation in emergency lighting systems in accordance with IEC 61347-2-13, Annex J.
- can be operated on 220–240V and 0/50–60 Hz.
- switches to 100 % light output in an emergency.

2. DECENTRALIZED BATTERY APPLICATION

The LED TUBE T5/T8 EXTERNAL is a constant current DC tube and can therefore be operated directly on a decentralized battery system.



* Compatibility and required technical parameters of the LED TUBE T5/T8 EXTERNAL according to applicable emergency lighting standards must be checked prior to installation



LOTS OF QUESTIONS? WE ARE AT YOUR SIDE

Which ballast is installed and is it compatible with LED tubes? How can you achieve dimmability, sensor control or integration into a light management system? And the key question coming up time and again: What's the most economical way to carry out the switch to LED technology? The challenges associated with the switch are just as diverse as the requirements on site. LEDVANCE helps you to find a solution. In many cases, however, the best answer will now be LED TUBE EXTERNAL SYSTEM.

YOUR CHALLENGE – OUR SOLUTION



How should I replace the old fluorescent application with LED tubes and DALI-2 ECG? **I need a DALI-2 dimmable LED tube solution!**

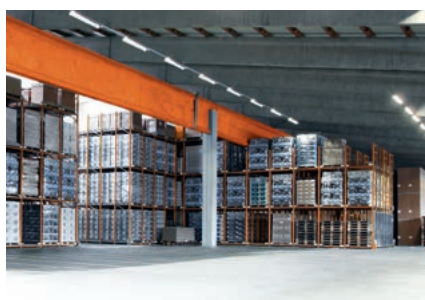


SOLUTION

► Dimmable solution with **LED TUBE EXTERNAL SYSTEM**



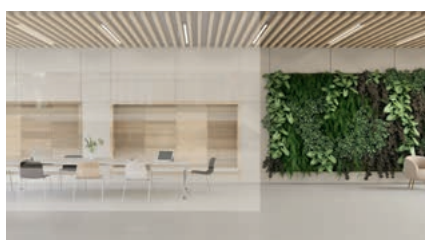
How should I replace a conventional fluorescent tube with an LED tube? **ECGs in the luminaires are not compatible with HF LED tubes. What shall I do now?**



► NO ECG compatibility necessary, due to perfectly matched **LED TUBE EXTERNAL SYSTEM**



How should I replace the old fluorescent application with LED tubes? **I'm not allowed to change the existing luminaire.**



► Keep existing luminaire by using **LED TUBE EXTERNAL SYSTEM**

EASY REPLACEMENT OF DIMMABLE FLUORESCENT TUBES WITH LED TUBE EXTERNAL SYSTEM

The LED TUBE EXTERNAL SYSTEM is a perfectly matched combination of LED tube and external DALI-2 driver which allows the components in existing luminaires to be easily replaced when upgrading to LED.



THE BENEFITS OF THE LED TUBE EXTERNAL SYSTEM

- Optimized LED tube and multi-watt DALI-2 driver system for switching to a dimmable LED tube solution
- Optimal system efficiency guarantees excellent performance with high energy savings and long lifetime
- No compatibility problems thanks to a LED tube and driver system that fits
- Replaceable lighting components offer advantages in terms of economy and sustainability

FEATURES LEDVANCE LED TUBE EXTERNAL SYSTEM

PERFORMANCE CLASS

DRIVER LED TUBE EXTERNAL

- Multi-watt constant current SELV driver (1-channel and 2-channel version)
- High flexibility due to adjustable output currents via dip switch, fit for all T5 and T8 LED TUBE EXTERNAL
- DALI-2.0 interface for dimming and sensor operations
- Push DIM application for easy control
- Installation in emergency lighting systems according to IEC 61347-2-13, Appendix J
- ENEC mark
- Lifetime up to 100 000 h
- 5-year guarantee

DRIVER LED TUBE EXTERNAL

LED TUBE T8 EXTERNAL

LED TUBE T5/T8 EXTERNAL

- Dimmable constant current LED tube
- Shatter protection thanks to special PET coating
- No bending thanks to glass tube
- Very high resistance to switching loads
- 4 000 K/6 500 K; 1.2 m/1.5 m
- Lifetime up to 50 000 h
- 5-year guarantee
- Mercury-free and RoHS-compliant
- Linear lighting for industry, offices, warehouses and retail outlets

LED TUBE T5 EXTERNAL



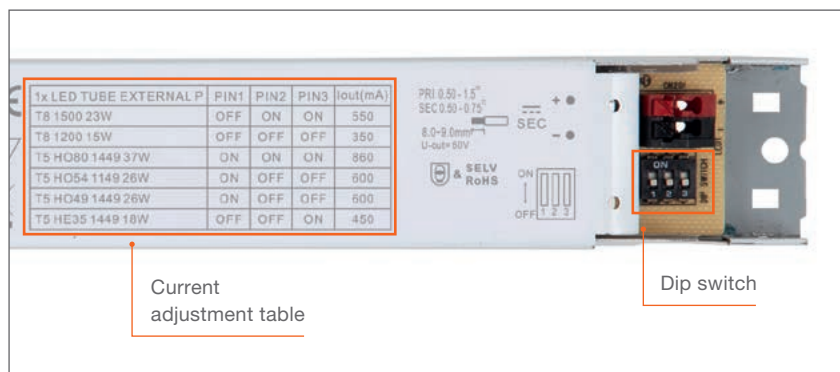
INSTALLATION AND INTEGRATION

ONE FITS THE OTHER

As an experienced installer you can simply use the existing wiring of the luminaire for effortless installation in existing devices. This is quick and easy because the old ballast and the new external DALI-2 driver have the same dimensions. And because we always think and act systematically, LED TUBE T5/T8 EXTERNAL and DRIVER LED TUBE EXTERNAL are of course perfectly matched to one another. As with all conversions, a new CE declaration must be issued.

ONE DRIVER FOR ALL TUBES

PRESETS MAKE IT POSSIBLE

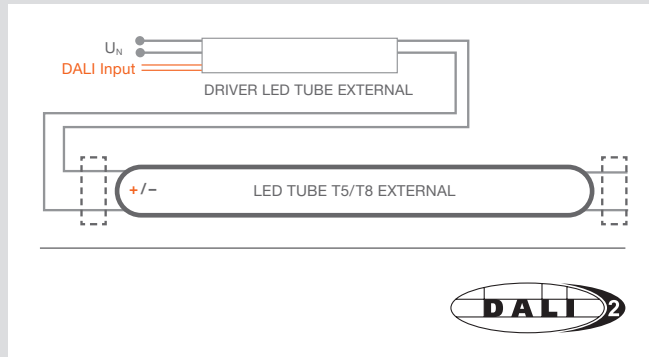


DRIVER LED TUBE EXTERNAL MULTI-WATT

- DRIVER LED TUBE EXTERNAL is a multi-watt driver
 - One driver for all LED TUBE T5/T8 EXTERNAL
- LED TUBE T5/T8 EXTERNAL current will be set before operation by the dip switch on the DRIVER LED TUBE EXTERNAL
- Current tables are printed on the driver product labels
- Initial setting is limited to min. output current (350 mA) to avoid operation over the specified current

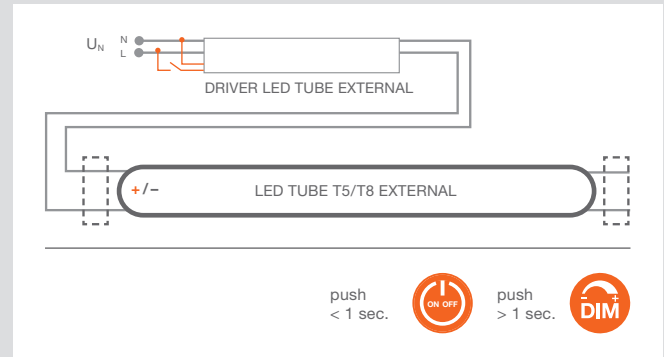
INSTALLATION IN DALI-2 OR PUSH DIM APPLICATIONS

DALI-2



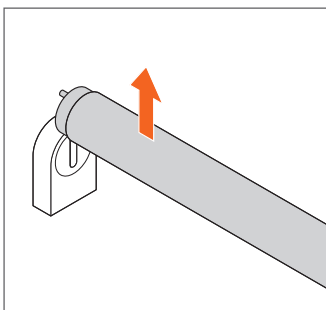
- Integration in existing DALI-2 light management system
- Existing DALI control lines can be kept
- DRIVER LED TUBE EXTERNAL can be combined with DALI-2 sensors via DALI-2 controller

PUSH DIM

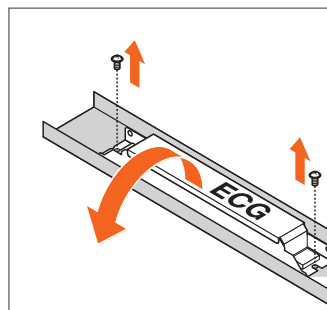


- Dimming via push-button
- Up to 15 DRIVER LED TUBE EXTERNAL can be dimmed by one push-button
- Switch lamp OFF/ON: Click push-button
- Dimming: Press and hold push-button

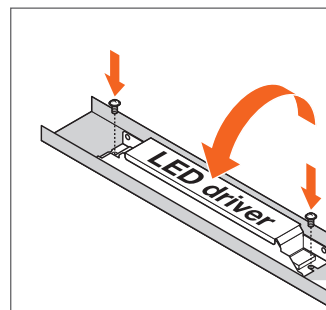
SIMPLE INSTALLATION IN A FEW STEPS



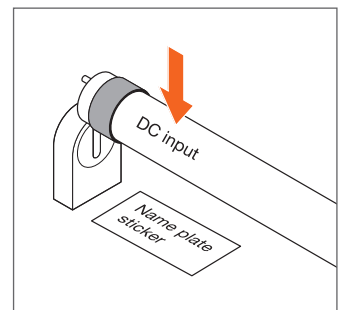
Remove the fluorescent tube from the base as usual.



Release fastenings and remove ballast.



Insert, screw on and wire the same-size DRIVER LED TUBE EXTERNAL.



Insert the LED TUBE T5/T8 EXTERNAL on the active DC input side.

Installation must be carried out by a qualified electrician. All wires need to be approved for the existing voltages and protection classes. For detailed information see user instructions.

VIDEO INSTALLATION

For more information go to:

<https://youtu.be/9lhWFJeydEU>



FIND OUT MORE

For more information go to:

ledvance.com/ext-system



LED TUBE EXTERNAL SYSTEM

A CLEVER DECISION

The ban on the production of fluorescent lamps will come in 2023. This means that you will have to upgrade by the time fluorescent tubes are out of action. But if you are clever you will invest now to be future-proof and sustainable and to save high energy costs. Especially since you can continue to use the components in your existing DALI light management system such as sensors, switches, etc. as well as control lines. You will benefit from optimal, flicker-free illumination, less maintenance and a long life. LED TUBE EXTERNAL SYSTEM is the best possible solution.



WAREHOUSES

THE CHALLENGE:

High shelves, narrow aisles, little daylight. The lighting needs to be bright and efficient, but only when someone is in the warehouse. To save costs the existing DALI light management system (LMS) including emergency lighting needs to continue to be used.

OUR SOLUTION:

- Dimmable LED TUBE EXTERNAL SYSTEM for saving energy
- Integration into the sensor-controlled DALI system with presence control
- Reliable notification of a lamp failure via the LMS
- Economical: existing luminaire housings remain in use
- LED tubes can be replaced by the facility manager
- Suitable for emergency lighting



PRODUCTION HALL

THE CHALLENGE:

The working areas require optimal illumination, low-flicker and energy-saving, also in continuous shift operation. Upgrading the many luminaires which are sometimes difficult to access is time-consuming and costly. This is why they should be retained – as should emergency lighting.

OUR SOLUTION:

- Dimmable LED TUBE EXTERNAL SYSTEM for saving energy
- Sensor-controlled DALI-2 system with daylight control
- Reliable notification of a lamp failure via the LMS
- Short upgrade time as existing luminaire housings can remain in use
- LED tubes can be replaced by the facility manager
- Suitable for emergency lighting



WORKSHOPS WITH WAREHOUSES

THE CHALLENGE:

Existing fluorescent tubes are only replaced if necessary. Despite the lack of time and money to upgrade, energy costs need to be reduced without sacrificing lighting quality.

OUR SOLUTION:

- Quick payback of the investment through energy-saving LED TUBE EXTERNAL SYSTEM
- No compatibility problems with ECG-compatible LED tubes as driver and LED tube are replaced
- Existing luminaire housings can be retained
- Low upgrade and maintenance costs
- LED tubes can be replaced by the caretaker
- Energy savings through dimming via Push DIM function



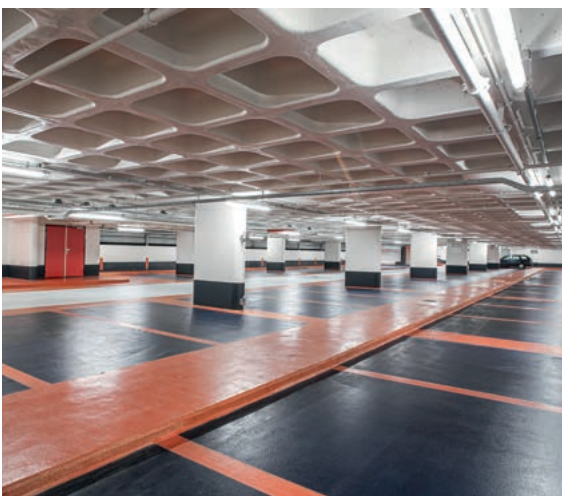
OFFICES/SCHOOLS/DESK WORKPLACES

THE CHALLENGE:

Wherever work is mainly done at desks, a high-quality, homogeneous and dimmable LED alternative to traditional fluorescent tubes is required. It needs to provide flexible and demand-oriented lighting control in the working environment.

OUR SOLUTION:

- Dimmable LED TUBE EXTERNAL SYSTEM for saving energy
- Integration in DALI LMS allows different lighting scenes
- Energy savings through presence-dependent lighting control with sensors
- Luminaire housings can be retained
- Low maintenance costs; LED tubes can be replaced by the caretaker



CAR PARKS

THE CHALLENGE:

Safety and orientation play a major role here, but also flexible lighting control and significant energy savings with low maintenance costs.

OUR SOLUTION:

- Dimmable LED TUBE EXTERNAL SYSTEM for saving energy
- Integration in DALI system enables presence control and reliable feedback in the event of lamp failure
- Instant light for optimal illumination of car parks
- Luminaire housings can be retained; alternatively DAMP PROOF HOUSING is available
- Low maintenance costs; LED tubes can be replaced by the facility manager

HUGE SAVINGS AND QUICK PAYBACK THE SWITCH TO LED TUBE EXTERNAL SYSTEM IN A WAREHOUSE

LED TUBE EXTERNAL SYSTEM

LED TUBE T8 EXT P 23 W/4000 K 1500 mm
EAN: 4058075730557
Driver: DR EXT DALI-P -1X15-37W 220-240
EAN: 4058075730632



	OLD: Traditional T8 58W	NEW: LED TUBE T8 EXTERNAL SYSTEM	SAVINGS
Guarantee			5 years ¹
Efficiency	90 lm/W	161 lm/W	
System wattage	58 W	23 W	
Average lifetime	15 000 h	50 000 h ²	
Energy consumption of project	6.8 kW	2.3 kW	
Energy consumption over period of operation	254 592 kWh	86 122 kWh	131 040 kWh
CO ₂ emissions (231 g/kWh) ³	58 811 kg	19 892 kg	30 270 kg
Total cost savings up to ⁴		50 %	
Payback time from		11 months	

TOTAL
COST SAVINGS
UP TO
50 %

COST SAVINGS
FOR
ELECTRICITY
UP TO
60 %

PAYBACK TIME
FROM
11 MONTHS

ENERGY
SAVINGS
UP TO
131 040
KWH

TOTAL
CO₂ SAVINGS
UP TO
60 %

! FURTHER
ENERGY
SAVINGS
THROUGH
THE USE OF
SENSORS

GLOBAL PARAMETERS: Period of operation: 60 months, 5 years, 37 440 operating hours | Operating times: 6 days per week, 52 weeks per year, 24 hours per day, dimming not included in calculation
Number of light points: 100 lamps, 50 luminaires

¹ Refer to www.ledvance.com/guarantee for precise conditions | ² Lifetime: LED TUBE T8 EXT P 50 000 h, t[h]: L70/B50 at 25 °C (T_a), DRIVER LED TUBE EXTERNAL P 100 000 h, T_c: 65 °C; 10 % failure rate
³ 2020 European level of GHG emission intensity of electricity generation (www.eea.europa.eu) | ⁴ Calculation Parameters: Replacement costs: Traditional T8 58 W 4.10 €/piece, LED TUBE T8 EXT P 23 W/4000 K 1500 mm 26.30 €/piece, DR EXT DALI-P-1X15-37 W 220-240 71.97 €/piece, costs for exchanging: retrofit lamp 10.00 €/housing, conversion LED Tube External System 15.00 €/housing, electricity costs: 0.40 €/kWh. *Illustrative pricing. Prices may vary in your country.

LED TUBE EXTERNAL P

LED TUBE T8 and T5 EXTERNAL for LED DRIVER EXTERNAL

PERFORMANCE CLASS



Please visit our website for the latest
LED TUBE EXTERNAL SYSTEM product information
www.ledvance.com/ext-system



PRODUCT FEATURES






















- Designed to power only with LEDVANCE DRIVER LED TUBE EXTERNAL
- Mercury-free and RoHS-compliant






























PRODUCT BENEFITS

- Compatible with LEDVANCE DRIVER LED TUBE DALI EXTERNAL
- Shatter protection thanks to special PET coating
- No bending thanks to glass tube
- Very high resistance to switching loads
- 5-year guarantee

AREAS OF APPLICATION

- Industrial lighting (e.g. manufacturing plants, logistic centers, warehouses)
- Linear lighting for office, education, storage areas and retail
- Shops, supermarkets
- Suitable for indoor SELV installations
- General illumination within ambient temperatures from -20...+50 °C

Product name	Segmentation	GTIN (EAN)													
LED TUBE T8 EXT P 15 W/4000 K 1200 mm		4058075730595	36	G13	1 200	15	2 400	160	4 000	190	80	50 000		25	1
LED TUBE T8 EXT P 15 W/6500 K 1200 mm		4058075730618	36	G13	1 200	15	2 400	160	6 500	190	80	50 000		25	1
LED TUBE T8 EXT P 23 W/4000 K 1500 mm		4058075730557	58	G13	1 500	23	3 700	160	4 000	190	80	50 000		25	1
LED TUBE T8 EXT P 23 W/6500 K 1500 mm		4058075730571	58	G13	1 500	23	3 700	160	6 500	190	80	50 000		25	1

Product name	Segmentation	GTIN (EAN)													
LED TUBE T5 EXT H054 P 26 W/4000 K 1149 mm		4058075730472	54	G5	1149	26	4000	153	4000	180	80	50 000		25	2
LED TUBE T5 EXT H054 P 26 W/6500 K 1149 mm		4058075730496	54	G5	1149	26	4000	153	6500	180	80	50 000		25	2
LED TUBE T5 EXT HE35 P 18 W/4000 K 1449 mm		4058075730519	35	G5	1449	18	2800	155	4000	180	80	50 000		25	2
LED TUBE T5 EXT HE35 P 18 W/6500 K 1449 mm		4058075730533	35	G5	1449	18	2800	155	6500	180	80	50 000		25	2
LED TUBE T5 EXT H049 P 26 W/4000 K 1449 mm		4058075730434	49	G5	1449	26	4000	153	4000	180	80	50 000		25	2
LED TUBE T5 EXT H049 P 26 W/6500 K 1449 mm		4058075730458	49	G5	1449	26	4000	153	6500	180	80	50 000		25	2
LED TUBE T5 EXT H080 P 37 W/4000 K 1449 mm		4058075730410	80	G5	1449	37	5600	151	4000	180	80	50 000		25	2
LED TUBE T5 EXT H080 P 37 W/6500 K 1449 mm		4058075730397	80	G5	1449	37	5600	151	6500	180	80	50 000		25	2

SAFETY ADVICE

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instructions.
The operating temperature range of LED tube is restricted. If in doubt regarding suitability of the application please measure T_c max temperature on the product prior to installation.

¹ Refer to www.ledvance.com/guarantee for precise conditions | ² L70/B50 | ³ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

DRIVER LED TUBE EXTERNAL P

PERFORMANCE CLASS

Constant current LED DRIVER EXTERNAL for LED TUBE EXTERNAL T5/T8 – indoor



Please visit our website for the latest
LED TUBE EXTERNAL SYSTEM product information
www.ledvance.com/ext-system



PRODUCT FEATURES

- Safety extra-low-voltage (SELV) driver
- Advanced applications with DALI light installations
- Lifetime: up to 100 000 h (for $T_c = 65^\circ\text{C}$)
- ENEC mark

PRODUCT BENEFITS

- Compatible with LEDVANCE LED TUBE EXTERNAL
- High flexibility due to adjustable output currents via dip switch
- DALI 2.0 interface for dimming and sensor operations
- High-quality dimming of 1...100 %
- Push DIM application for easy control

AREAS OF APPLICATION

- Suitable for luminaires of protection class I
- General illumination within ambient temperatures from $-20\ldots+50^\circ\text{C}$
- Industrial lighting (e.g. manufacturing plants, logistic centers, warehouses)
- Installation in emergency lighting systems according to IEC 61347-2-13, appendix J

Product name	Segmentation	GTIN (EAN)	W	Hz	W	t[h] ²	T _a	T _c	PROTECTION CLASS	L × W × H [mm]	Icons	No.
NEW DR EXT DALI-P -1X15-37W 220-240	■	4058075730632	37	0/50/60	1...100	100 000	-20...+50	80	I	286.0 x 31.0 x 21.0	25	1
NEW DR EXT DALI-P -2X15-26W 220-240	■	4058075730656	52	0/50/60	1...100	100 000	-20...+50	90	I	360.0 x 31.0 x 21.0	25	2

SAFETY ADVICE

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instructions.

¹ Refer to www.ledvance.com/guarantee for precise conditions | ² T_c: 65 °C/10 % failure rate

ABOUT LEDVANCE



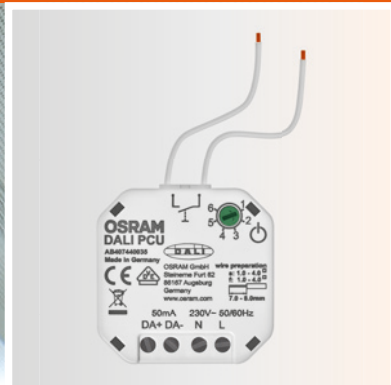
LEDVANCE

With offices in more than 50 countries and business activities in more than 140 countries, LEDVANCE is one of the world's leading general lighting providers for professional users and end consumers. Having emerged from OSRAM's general lighting division, LEDVANCE offers a wide-ranging portfolio of LED luminaires for a broad spectrum of applications, intelligent lighting products for Smart Home and Smart Building solutions, one of the most comprehensive ranges of advanced LED lamps in the lighting industry, traditional light sources, an LED Strip System and light management systems.

LEDVANCE GmbH
Parkring 29–33
85748 Garching
Germany
LEDVANCE.COM

Partner:





LEDVANCE

LEDVANCE.COM

Products of OSRAM GmbH,
distributed by LEDVANCE

Light is controllable

DALI PCU – control unit for standard pushbuttons

For easy, convenient and cost-efficient dimming

Light is OSRAM

OSRAM

Light management made easy

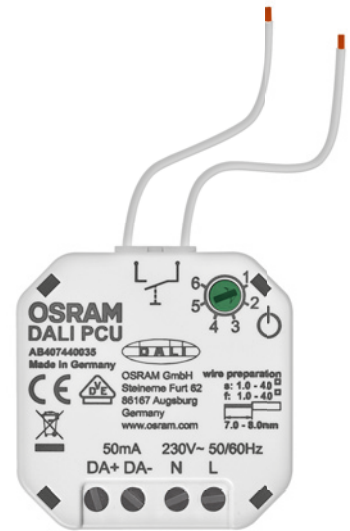
Simple dimming with the DALI PCU control unit for standard pushbuttons.

Efficient light management doesn't have to be complex and time-consuming. The DALI PCU is a compact control unit with integrated DALI current supply for manual dimming and switching of DALI luminaires via all standard push-buttons. This all-in-one device allows for the easy and cost-efficient implementation of small and medium-sized projects.

Wide variety of applications

Light control in the following areas:

- Conference and training rooms
- Offices
- Retail
- Hospitality
- Residential



The installation of the DALI PCU is as easy as it gets:



01 Connect the DALI PCU to the mains and DALI wires.



02 Place the DALI PCU into the flush box.



03 Connect the DALI PCU to the pushbutton.



04 Mount the cover of the pushbutton.

Easy installation in standard flush boxes

The installation of the DALI PCU is very easy. Only one component is required for the entire light control. After the connection to the mains and DALI wires, the DALI PCU is placed into the flush box and connected to the pushbutton – ready. This way, you turn a standard push-button into a fully functional DALI control unit. This plug-and-play solution offers many functions for convenient light management.

- Dimming and switching of any type of DALI luminaires
- Automatic or manual storage of the switch-on level
- Individual setting of the lowest dimming level
- Individual configuration of the behavior after mains interruption
- Up to four control points can be realized
- DALI voltage supply already integrated
- Combinable with standard motion or presence detectors
- Suitable for separable rooms with separation walls

One device for different room types and room sizes

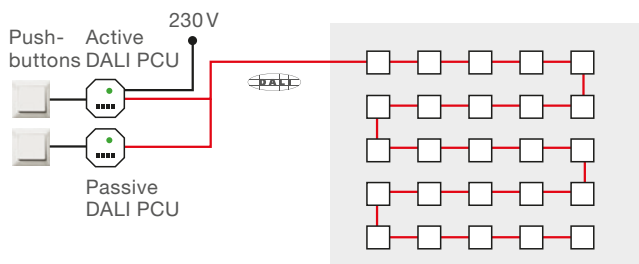
Flexible light control in standard and special applications.

In many fields of application, the DALI PCU demonstrates a high level of flexibility and ease of use. A DALI PCU controls up to 25 luminaires, up to 4 units can be connected in parallel and will synchronize automatically. This allows for the realization of projects with up to 4 control

points and up to 100 luminaires, for example in offices or conference rooms. Rooms with separation walls can also be switched and dimmed flexibly with simple means. Further savings are possible in combination with standard motion or presence detectors.

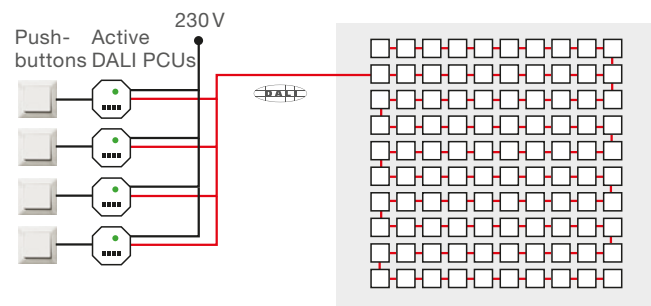
Standard applications

2 control points and 25 luminaires



- Up to 25 luminaires with one active DALI PCU
- Second control point (passive DALI PCU) is supplied directly via the DALI line

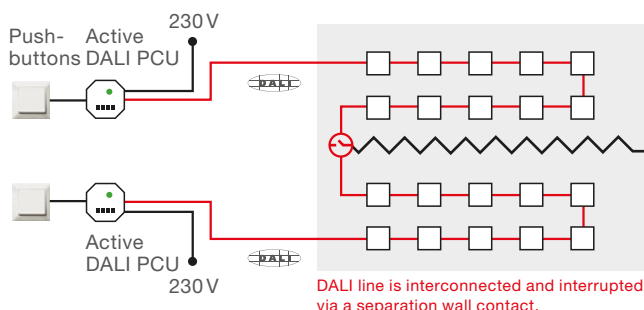
4 control points and 100 luminaires



- Up to 100 luminaires with four active DALI PCUs
- DALI cable length of up to 300 meters

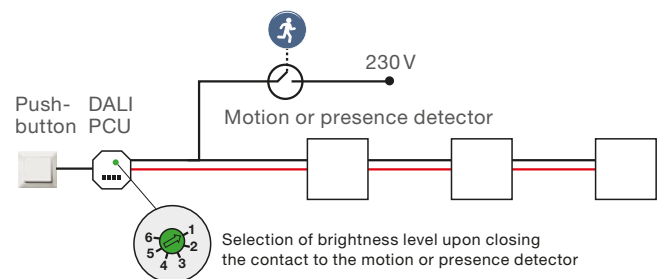
Special applications

Rooms with separation walls (e.g. separated conference rooms)

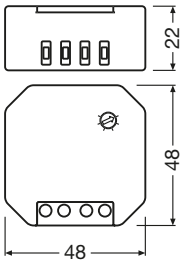



- Up to four separated rooms can be realized
- Local control of the individual separated rooms by local control unit (wall closed) or central control by all DALI PCUs (wall open)
- No commissioning required
- One-wire interruption of the DALI line is sufficient when the wall is closed

Combination with standard motion or presence detectors



- Further energy savings through presence detection
- Automatic switch-on/switch-off by the motion or presence detector
- Manual dimming and switching possible as soon as presence is detected
- Switch-off of standby power consumption by the motion or presence detector



Product name	GTIN (EAN)	V	Hz	W SYSTEM	IP	CONTROL	No. of OUTPUTS	T _a	
DALI PCU	4052899955622	230	50/60	2	IP20	DALI	1	0...+40 °C	For installation in flush boxes

OSRAM GmbH

Head office:

Marcel-Breuer-Strasse 6
80807 Munich, Germany
Phone +49 89 6213-0
Fax +49 89 6213-2020
www.osram.com

Distribution partner of OSRAM GmbH
for Digital Lighting Systems and
Components



LEDVANCE GmbH

Parkring 29-33
85748 Garching, Deutschland
Fon +49 89 780673-100
Fax +49 89 0000-0000
www.ledvance.com

Partner:





LEDVANCE

LEDVANCE.COM

Products of OSRAM GmbH,
distributed by LEDVANCE

Light is easy to use
Easy, modern Bluetooth®
DALI lighting solutions

Light is OSRAM

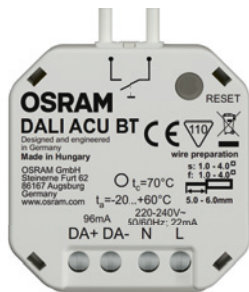
OSRAM

Easy-to-use light management with Bluetooth® interface

DALI ACU BT (DALI App Control Unit Bluetooth®): A simple Bluetooth® control device for standard or Tunable White LED drivers or DALI ECGs. Comfortable control via Bluetooth® and smartphone with a free-of-charge app as well as easy plug-and-play start-up. Using DALI has never been easier, and never more flexible.

Flexible

Installation and planning of this energy-efficient system is extremely easy and convenient. DALI ACU BT can be mounted behind a classic pushbutton in a flush-mounted device box or directly into a luminaire.

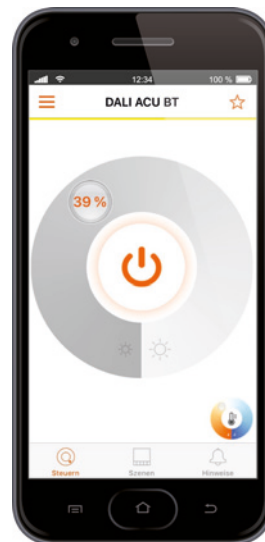


Expandable and installation-friendly

Sensors and pushbutton couplers are simply wired via DALI. The components are directly powered via DALI and do not need additional mains supply. An unlimited number of standard pushbuttons can be connected in combination with pushbutton couplers.

Easy light management via app

DALI ACU BT can be controlled easily via app: Intuitive user control of light levels and color temperatures as well as storage of individual scenes. Moreover, classic control by standard pushbuttons is still available: ON/OFF or dimming.



OSRAM BT Control app
for convenient use



For Android



For iOS



OSRAM BT Config app
for easy configuration



For Android



For iOS

Wide variety of applications

With DALI ACU BT, you can control up to 32 DALI LED drivers and up to 4 DALI sensors can be integrated into the system. DALI ACU BT is best suited for individual lighting:

- Conference and meeting rooms
- Offices
- Living quarters
- Hospitality and hotel business



Easy installation in standard flush boxes in four steps

Turning standard pushbuttons into fully functional DALI control units.



01 Connect the DALI ACU BT to the mains wires as well as to the DALI wires of the LED drivers/ECGs.



02 Place the DALI ACU BT into the flush box.



03 Connect the DALI ACU BT to the pushbutton.



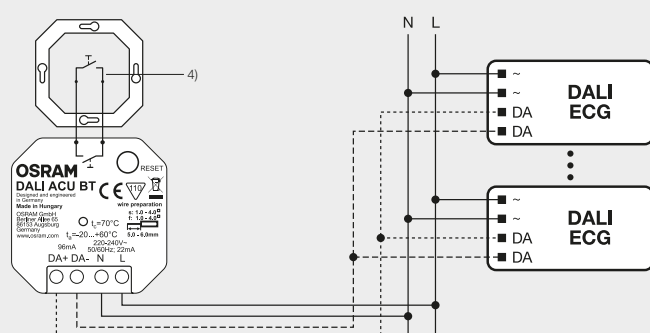
04 Mount the cover of the pushbutton.

A simple product for numerous possibilities

- Dimming and switching of any type of DALI luminaires via app and standard pushbutton; additional color temperature control (Tunable White) is possible via app
- Automatic or manual storage of the switch-on level
- Daylight and presence-dependent lighting control through connection of additional OSRAM DALI sensors; automatic shutdown with freely adjustable delay time
- Upgrade of existing installations
- Change of individual parameters right up to the generation of individual function profiles via app
- Adjustable standby lighting value

Standard application

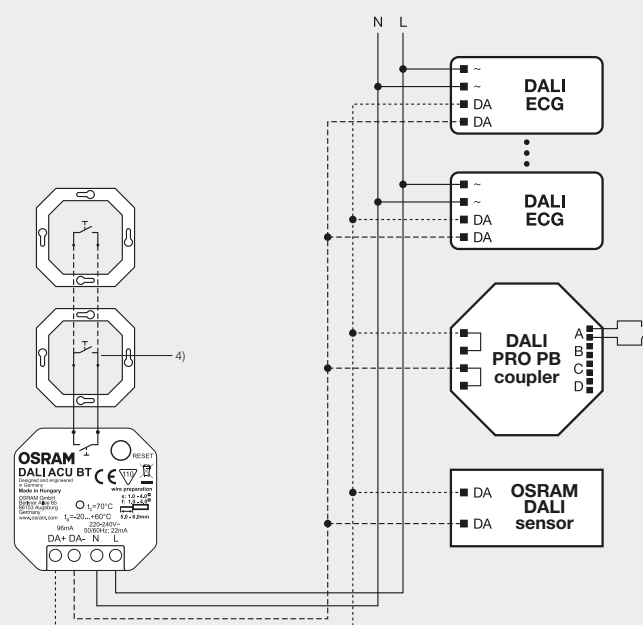
Pure manual control of up to 32 DALI LED drivers



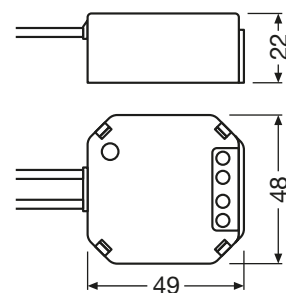
Length of the DALI control cable: up to 300 m
Length of the pushbutton cable: up to 50 m

Special application

Combination of manual control and light and motion sensors



Length of the DALI control cable: up to 300 m
Length of the pushbutton cable: up to 50 m

**DALI ACU BT****Product name****GTIN (EAN)****V****Hz****CONTROL****No. of
OUTPUTS****IP****m****T_a**

DALI ACU BT

4052899544819

220...240

50/60

DALI

1

IP20

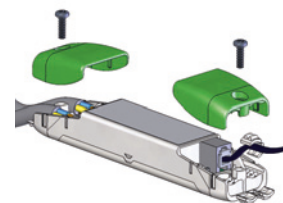
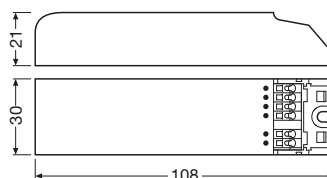
15

Installation in flush
device box/luminaire
integration

-20...+60

Are you planning an installation in suspended ceilings with a strain relief option?

For this, we recommend the DALIeco BT control unit, which offers the same functionality and specifications as the DALI ACU BT with different geometry and strain relief option with the ECO CI KIT.

**DALIeco BT*****Product name****GTIN (EAN)****V****Hz****CONTROL****No. of
OUTPUTS****IP****m****T_a**

DALIeco BT CONTROL

4052899988781

220...240

50/60

DALI

1

IP20

15

Luminaire integration/
Independent mounting

-20...+60

Sensors and accessories**DALI LS/PD CI sensor**

Light and presence sensor for ceiling integration

**GTIN (EAN)**

4052899930292

LS/PD AP KIT

On-top ceiling mounting adapter for DALI LS/PD LI

**GTIN (EAN)**

4052899173385

DALI LS/PD LI sensor

Light and presence sensor for luminaire integration

**GTIN (EAN)**

4052899043954

OSRAM GmbH

Head office:

Marcel-Breuer-Strasse 6
80807 Munich, Germany
Phone +49 89 6213-0
Fax +49 89 6213-2020
www.osram.com

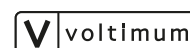
Distribution partner of OSRAM GmbH
for Digital Lighting Systems and
Components



LEDVANCE GmbH

Parking 29-33
85748 Garching, Germany
Fon +49 89 780673-100
www.ledvance.com

Partner:

**OSRAM**