

## OSRAM LEDTUBE T5HF L13 SHORT 517 7W 840 OSRAM

# OSRAM LED T5 HF L13 SHORT Linear Tubes Instruction Manual

Model: LEDTUBE T5HF L13 SHORT 517 7W 840 OSRAM

## 1. PRODUCT OVERVIEW

The OSRAM LED T5 HF L13 SHORT linear tubes are designed as a direct retrofit replacement for traditional T5 fluorescent lamps operating on electronic ballasts (HF). These LED tubes offer efficient, cool white light with a color temperature of 4000 Kelvin, providing a luminous flux of 850 lumens while consuming only 7 Watts of power.

Key features include:

- **Efficient Illumination:** High-quality LED light with consistent cool white color (4000K).
- **Long Lifespan:** Designed for extended operation, lasting up to 30,000 hours.
- **Energy Saving:** Consumes significantly less energy (up to 46% less) compared to traditional fluorescent tubes.
- **Instant Start:** Provides immediate light without flickering.
- **Safety Compliance:** RoHS compliant, free from hazardous substances like mercury, lead, cadmium, and chromium IV.
- **Glass Tube Design:** Prevents sagging over time.

These tubes are suitable for general lighting applications in various indoor environments such as homes, corridors, garages, workshops, public buildings, kitchens, and under-cabinet lighting. They are compatible with many common electronic ballasts (EVG).

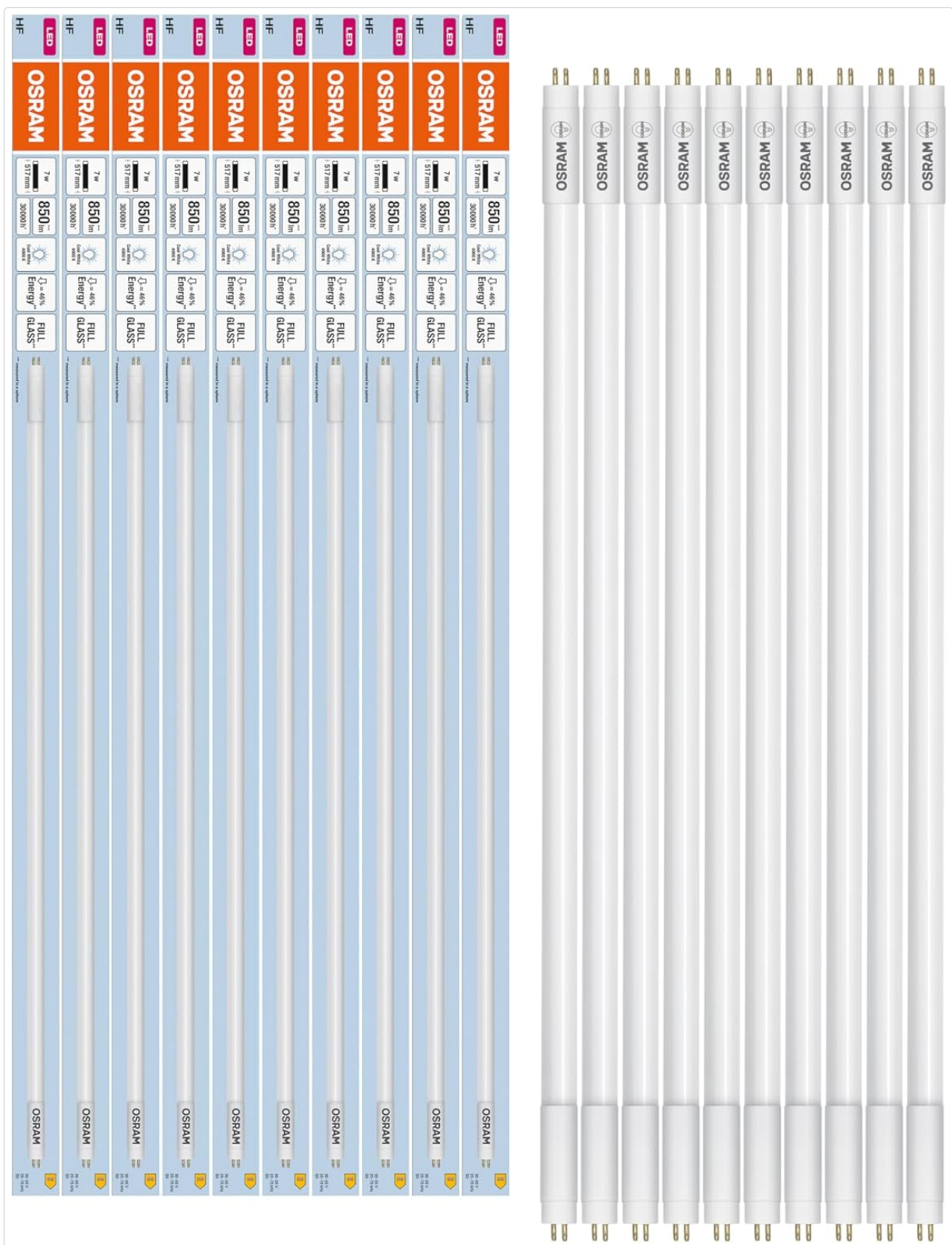


Image 1.1: A set of OSRAM LED T5 HF L13 SHORT linear tubes, showcasing their design and packaging.

## 2. SAFETY INSTRUCTIONS

Before installation or maintenance, please read and adhere to all safety guidelines to prevent injury or damage to the product. Always ensure the power supply is disconnected before handling the tubes.

- **Power Disconnection:** Always switch off the power supply at the main circuit breaker before attempting any installation or removal.
- **Qualified Personnel:** Installation should ideally be performed by a qualified electrician or a person with

appropriate technical knowledge.

- **Compatibility:** Ensure the existing luminaire's electronic ballast is compatible with these LED tubes. Refer to the OSRAM compatibility list if unsure.
- **Indoor Use:** Primarily designed for indoor use. For outdoor applications, ensure the luminaire is specifically rated for outdoor use and provides adequate protection (e.g., IP rating).
- **Temperature Range:** Suitable for ambient temperatures between -20 °C and +45 °C.
- **Handling:** Handle glass tubes with care to avoid breakage.

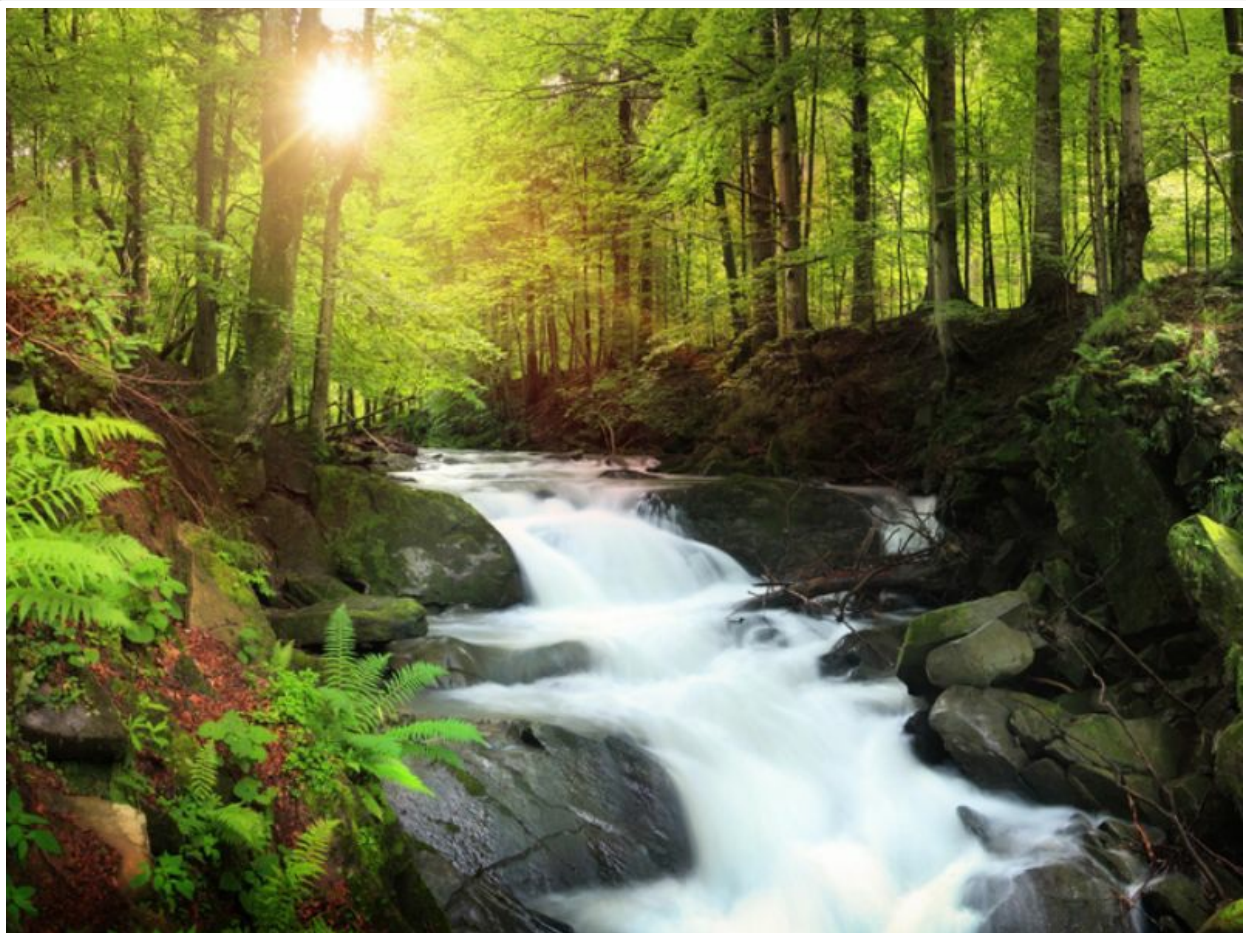
### 3. INSTALLATION GUIDE

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These LED tubes are designed for easy, quick, and safe replacement of existing T5 fluorescent lamps without requiring rewiring, provided they are used with compatible electronic ballasts (HF).

1. **Disconnect Power:** Ensure the power supply to the luminaire is completely switched off at the main circuit breaker. Verify with a voltage tester if necessary.
2. **Remove Old Tube:** Carefully remove the existing T5 fluorescent tube from its fixture. Dispose of the old tube according to local regulations.
3. **Insert LED Tube:** Align the G5 pins of the OSRAM LED T5 HF L13 SHORT tube with the sockets in the luminaire. Gently push and twist the tube until it is securely seated.
4. **Restore Power:** Once the LED tube is securely installed, restore power at the main circuit breaker.
5. **Test Functionality:** Switch on the light to confirm proper operation.

*Note: These tubes are designed for operation with electronic ballasts (EVG) and do not require a starter. Do not attempt to use them with magnetic ballasts or without a compatible ballast.*





## 4. OPERATION

Once installed, the OSRAM LED T5 HF L13 SHORT tubes operate immediately upon power activation. They provide consistent, flicker-free illumination suitable for various general lighting needs.

- **Instant On:** The tubes illuminate instantly without any warm-up time.
- **Flicker-Free:** Designed to provide stable light output without noticeable flicker.
- **Application Areas:** Ideal for general lighting in residential spaces (kitchens, corridors), commercial environments (offices, public buildings), and utility areas (garages, workshops).



Image 4.1: OSRAM LED T5 HF L13 SHORT tubes providing illumination in a modern office setting.



Image 4.2: OSRAM LED T5 HF L13 SHORT tubes installed in a parking garage, demonstrating their use in larger utility spaces.

## 5. MAINTENANCE

OSRAM LED T5 HF L13 SHORT tubes are designed for minimal maintenance due to their long lifespan and durable construction. Regular cleaning and inspection are generally sufficient.

- **Cleaning:** Ensure the power is off before cleaning. Gently wipe the tube with a soft, dry, or slightly damp cloth. Avoid abrasive cleaners or harsh chemicals.

- **Inspection:** Periodically check the tubes and their connections for any signs of damage or loose fittings.
- **Replacement:** Due to the long lifespan, replacement is infrequent. When replacement is necessary, follow the installation guide (Section 3).

## 6. TROUBLESHOOTING

If you encounter issues with your OSRAM LED T5 HF L13 SHORT tubes, consider the following troubleshooting steps:

- **Tube Not Illuminating:**
  - Check if the power supply to the luminaire is active.
  - Ensure the tube is correctly and securely seated in the fixture.
  - Verify that the existing electronic ballast is compatible with LED T5 tubes. Incompatible ballasts may prevent the tube from lighting or cause damage.
  - Test with another known-working LED tube if available, or test the tube in another compatible fixture.
- **Flickering or Irregular Light:**
  - This often indicates an incompatibility issue with the electronic ballast. Ensure the ballast is suitable for LED T5 retrofit tubes.
  - Check for loose connections.
- **Reduced Brightness:**
  - Ensure the tube is clean and free from dust or obstructions.
  - Verify the ambient temperature is within the recommended operating range (-20 °C to +45 °C).

If problems persist after following these steps, contact a qualified electrician or OSRAM customer support for further assistance.

## 7. SPECIFICATIONS

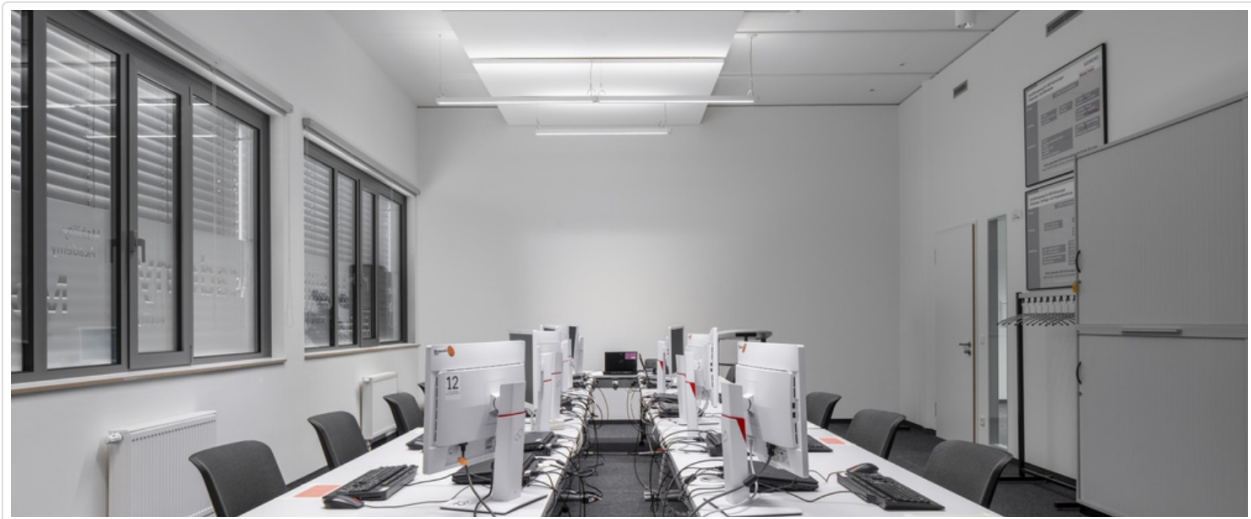


Image 7.1: Technical diagram illustrating the dimensions and key specifications of the OSRAM LED T5 HF L13 SHORT tubes.

### Technical Data for OSRAM LED T5 HF L13 SHORT 517 7W 840 OSRAM

| Specification | Value |
|---------------|-------|
|---------------|-------|

| Specification                  | Value                                   |
|--------------------------------|---|
| Brand                          | OSRAM                                   |
| Model Number                   | LEDTUBE T5HF L13 SHORT 517 7W 840 OSRAM |
| Manufacturer                   | Ledvance                                |
| Product Dimensions (L x W x H) | 51.7 x 1.8 x 1.8 cm                     |
| Item Weight                    | 68 grams                                |
| Quantity                       | 10 tubes per pack                       |
| Style                          | L13 Short                               |
| Color (Light)                  | Cool White                              |
| Shape                          | Tubular                                 |
| Material                       | Lead-free Glass                         |
| Voltage                        | 55 Volts                                |
| Specific Uses                  | Homes, corridors, garages, workshops    |
| Special Features               | Energy Efficiency                       |
| Bulb Type                      | LED                                     |
| Luminous Flux                  | 850 lm                                  |
| Wattage                        | 7 Watts                                 |
| Incandescent Equivalent        | 13 Watts                                |
| Color Temperature              | 4000 Kelvin                             |
| Average Lifespan               | 30,000 Hours                            |
| Base Type                      | G5                                      |
| Energy Efficiency Rating       | E                                       |





## 8. WARRANTY AND SUPPORT

Specific warranty details are not provided in the product information. For warranty claims or technical support, please refer to the retailer where the product was purchased or contact OSRAM customer service directly.

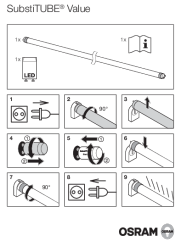
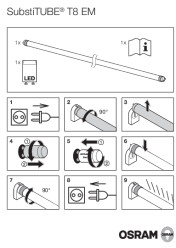


**Manufacturer:** Ledvance

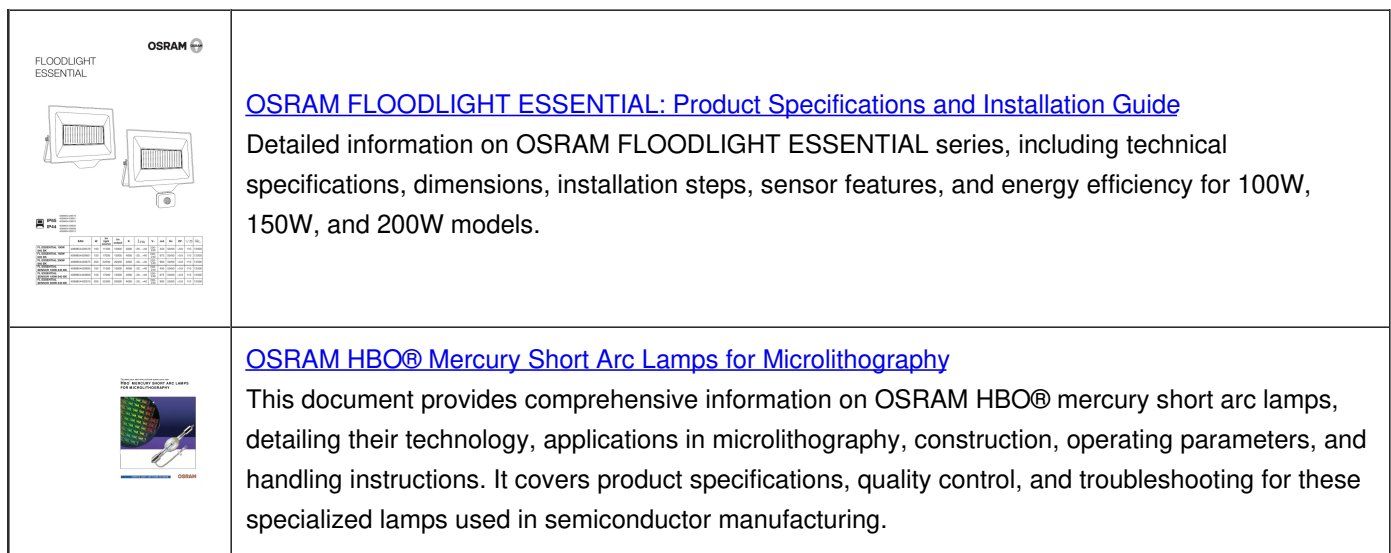
**Brand:** OSRAM

For further assistance, please visit the official OSRAM website or consult your local distributor.

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### Related Documents - LEDTUBE T5HF L13 SHORT 517 7W 840 OSRAM

|   |   |
|---|---|
|   | <p><a href="#">OSRAM SubstiTUBE® Value LED Tube: Installation and Specifications</a></p> <p>Discover the OSRAM SubstiTUBE® Value LED replacement tubes. This guide provides installation details, technical specifications, and compatibility information for upgrading T8 fluorescent lighting systems.</p>  |
|  | <p><a href="#">OSRAM SubstiTUBE T8 EM LED Tube: Installation Guide and Specifications</a></p> <p>Detailed information on the OSRAM SubstiTUBE T8 EM LED tube, including installation steps, technical specifications, model variations, and important usage guidelines for replacing traditional T8 fluorescent lamps.</p>                                  |
|  | <p><a href="#">OSRAM DALI MCU TW G2: DALI Controller for Tunable White Lighting</a></p> <p>Comprehensive guide to the OSRAM DALI MCU TW G2, a DALI-2 application controller for manual dimming and tunable white color temperature adjustment in lighting systems. Includes technical specifications, installation, operation, and safety instructions.</p> |
|  | <p><a href="#">OSRAM COOL BLUE H4 64193CB-01B Automotive Halogen Bulb - 130 Autogoods</a></p> <p>Find detailed specifications and features for the OSRAM COOL BLUE H4 64193CB-01B automotive halogen bulb. Available at 130 Internet Store of Autogoods, offering a wide range of car accessories and lighting.</p>   |



## Documents - OSRAM – LEDTUBE T5HF L13 SHORT 517 7W 840 OSRAM

## UKCA Declaration of Conformity



[www.LEDVANCE.com](http://www.LEDVANCE.com)

Document number: 3C22-19C31-36EN-00  
 Manufacturer: LEDVANCE GmbH  
 Address: Rading 2111  
 67476 Gernsheim  
 Germany

Product type: LED Tapes for H/LIN  
 Designated Product(s): see list below

We declare hereunder under sole responsibility that the designated product(s) is (are) in conformity with the following national and/or regulatory:

| Directive                            | Designated Standard(s) or Regulation(s)                                |
|--------------------------------------|--|
| <b>93/11/EEC</b> T100 and amendments | EN 42403:2014<br>EN 62776:2014   |
| <b>93/11/EEC</b> 1001 and amendments | EN IEC 60581:2015<br>EN IEC 581:2015<br>EN 60505:2012<br>EN 15447:2015 |
| <b>93/11/EEC</b> 2017 and amendments | Commission Regulation (EU) 2019/2030<br>EN IEC 60300:2018              |
| <b>93/11/EEC</b> 2018 and amendments | Commission Designated Regulation (EU) 2018/2019                        |

Gestemp. 14.02.2023

  
 U. Tarnasch, Schreier

  
 Quality Assurance  
 Stefan Chen

| Product Codes | Product Description                      |
|---------------|--|
| AC06161       | [LEDTYPE] TSPH L3 SHORT V 28 4W/30 LEDV  |
| AC06162       | [LEDTYPE] TSPH L3 SHORT V 28 4W/30 LEDV  |
| AC06163       | [LEDTYPE] TSPH L3 SHORT V 517 7W/30 LEDV |
| AC06164       | [LEDTYPE] TSPH L3 SHORT V 517 7W/30 LEDV |
| AC06171       | [LEDTYPE] TSPH L3 SHORT V 28 4W/30 LEDV  |
| AC06172       | [LEDTYPE] TSPH L3 SHORT V 28 4W/30 LEDV  |
| AC06173       | [LEDTYPE] TSPH L3 SHORT V 517 7W/30 LEDV |

[\[pdf\]](#) Decleration of Conformity

asset 13138964 LED TUBE T5 HF SHORT ledvance media resource original |||

UKCA Declaration of Conformity [www.LEDVANCE.com](http://www.LEDVANCE.com) Document number:

Manufacturer: Address: Product type: Designated Product s : 2023 / 9C1-4163126-  
EN-00 LEDVANCE GmbH Parkring 29-33 85748 Garching Germany LED TUBES T5  
HF/UN see list below We declare herewith under sole responsibility that the desig...  
lang:en score:44 filesize: 42.59 K page count: 2 document date: 2023-03-01

| EU Declaration of Conformity*  |   | <br>www.LEDVANCE.com                   |  |
|--|---|---|--|
| Document number #  | 3232 / 19C1-4161351-EN-00                         |   |  |
| Manufacturer's   | LEDVANCE GmbH                                     |   |  |
| Address**  | Rudolf-Weg 1<br>62746 Gernsheim<br>Germany        |   |  |
| Product type   | LED Tubes for 5x18 W                              |   |  |
| Designated Product(s)†   | see label below                                   |   |  |
| We declare herewith under sole responsibility that the designated product(s) is (are) in conformity with the following European Union legislation: |   |   |  |
| Directive**  | Harmonised Standard(s) or Regulatory**            |   |  |
| <b>2014/53/EU</b><br>and amendments  | EN 62483-2:2014                                   | EN 62776-2:2015   |  |
| <b>2014/30/EU</b><br>and amendments  | EN IEC 559-15:2015,<br>EN IEC 559-15:2015+A1:2020 | EN 61000-3-2:2014<br>EN IEC 61000-3-2:2019  |  |
| <b>2000/125/EC</b><br>and amendments   | EN 61000-3-2:2013                                 | EN 15447:2009   |  |
| <b>2011/65/EU</b><br>and amendments  | Commission Regulation (EU) 2019/2025              | Commission Delegated Regulation (EU) 2019/0125  |  |
| <br>U. V. Tarnack-Schäfer<br>Quality Management                 |   | <br>Shufen Chen<br>Quality Assurance** |  |
| Gernsheim, 14.02.2023  |   |   |  |
| <b>Product Code(s)</b>   |   | <b>Product Description</b>  |  |
| AC06-61  |   | LEDTUBE THSP L13 SHORT V 28W 40WWS LEDV   |  |
| AC06-62  |   | LEDTUBE THSP L13 SHORT V 28W 40WWS LEDV   |  |
| AC06-63  |   | LEDTUBE THSP L13 SHORT V 517 7WWS LEDV  |  |
| AC06-64  |   | LEDTUBE THSP L13 SHORT V 517 7WWS LEDV  |  |
| AC06-65  |   | LEDTUBE THSP L13 SHORT V 28W 40WWS LEDV   |  |
| AC06-62  |   | LEDTUBE THSP L13 SHORT V 28W 40WWS OSRAM  |  |
| AC06-63  |   | LEDTUBE THSP L13 SHORT V 517 7WWS OSRAM   |  |

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asset 13138958 LED TUBE T5 HF SHORT ledvance media resource original |||

EU Declaration of Conformity\*1 [www.LEDVANCE.com](http://www.LEDVANCE.com) Document number:2

Manufacturer:3 Address:4 Product type:5 Designated Product s :6 2023 / 9C1-4163125-EN-00 LEDVANCE GmbH Parkring 29-33 85748 Garching Germany LED TUBES T5 HF/UN see list below7 We declare herewith under sole responsibility that the...

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Document number:<sup>2)</sup> 2023 / 9C1-4163125-EN-00  
Manufacturer:<sup>3)</sup> LEDVANCE GmbH  
Address:<sup>4)</sup> Parkring 29-33  
85748 Garching  
Germany  
Product type:<sup>5)</sup> LED TUBES T5 HF/UN  
Designated Product(s):<sup>6)</sup> see list below<sup>7)</sup>  
We declare herewith under sole responsibility that the designated product(s) is (are) in conformity with the following European Union legislation:<sup>8)</sup>

| Directive <sup>9)</sup>           | Harmonised Standard(s) or Regulation(s) <sup>10)</sup>    |  |
|-----------------------------------|---|--|
| <b>2014/53/EU and amendments</b>  | EN 62483:2019   | EN 62779:2015                                  |
| <b>2014/30/EU and amendments</b>  | EN IEC 60515:2019<br>EN IEC 60515:2019/A11:2020           | EN 61000-3-2:2014<br>EN IEC 61000-3-2:2019     |
| <b>2009/125/EC and amendments</b> | EN 61000-3-3:2013   | EN 61547:2009                                  |
| <b>2011/65/EU and amendments</b>  | Commission Regulation (EU) 2019/2020<br>EN IEC 62000:2018 | Commission Delegated Regulation (EU) 2019/3015 |

Garching, 14.02.2023:

|   |   |
|---|---|
|  |  |
| Quality Management <sup>11)</sup><br>I.V. Yarnack-Scheyer                         | Quality Assurance <sup>12)</sup><br>Shufen Chen                                   |

| Product Codes <sup>13)</sup> | Product Description <sup>14)</sup>       |
|------------------------------|--|
| AC46401                      | LEDTUBE T5HF L8 SHORT V 288 4W/830 LEDV  |
| AC46402                      | LEDTUBE T5HF L8 SHORT V 288 4W/840 LEDV  |
| AC46403                      | LEDTUBE T5HF L13 SHORT V 517 7W/830 LEDV |
| AC46404                      | LEDTUBE T5HF L13 SHORT V 517 7W/840 LEDV |
| AC47861                      | LEDTUBE T5HF L8 SHORT 288 4W/830 OSRAM   |
| AC47862                      | LEDTUBE T5HF L8 SHORT 288 4W/840 OSRAM   |
| AC47863                      | LEDTUBE T5HF L13 SHORT 517 7W/830 OSRAM  |

## [\[pdf\]](#) Decleration of Conformity

384 48 KBLED TUBE T5 HF L13 SHORT VALUE 517 mm 7W 840 LED LEDVANCEv1ledvance 00 Free

To Use asset 13138958 led tube t5 hf short |||

EU Declaration of Conformity\*1 www.LEDVANCE.com Document number:2

Manufacturer:3 Address:4 Product type:5 Designated Product s :6 2023 / 9C1-

4163125-EN-00 LEDVANCE GmbH Parkring 29-33 85748 Garching Germany LED

TUBES T5 HF/UN see list below7 We declare herewith under sole responsibility that

the...

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