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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).

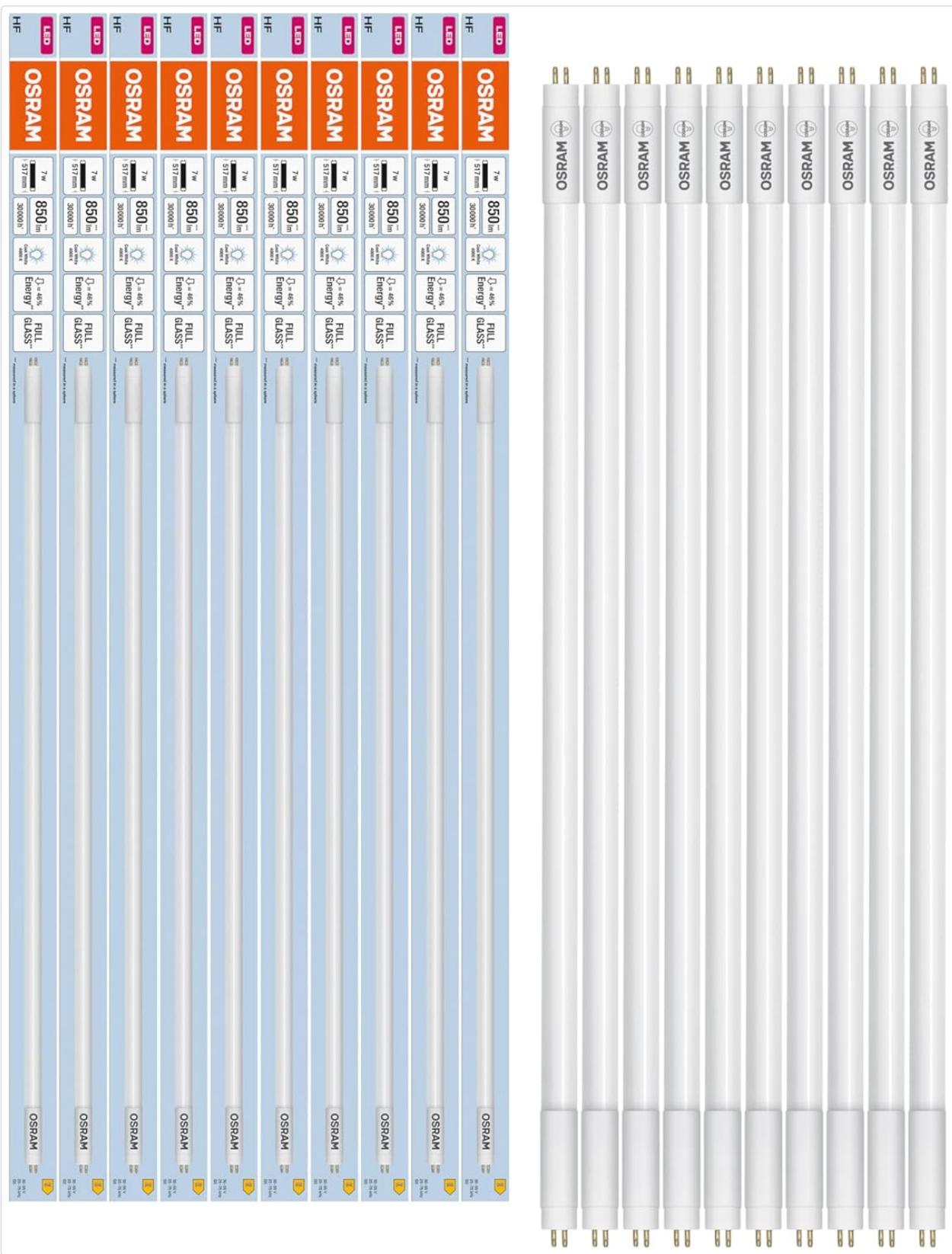


Image 1.1: A set of OSRAM LED T5 HF L13 SHORT linear tubes, showcasing their design and packaging.

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.

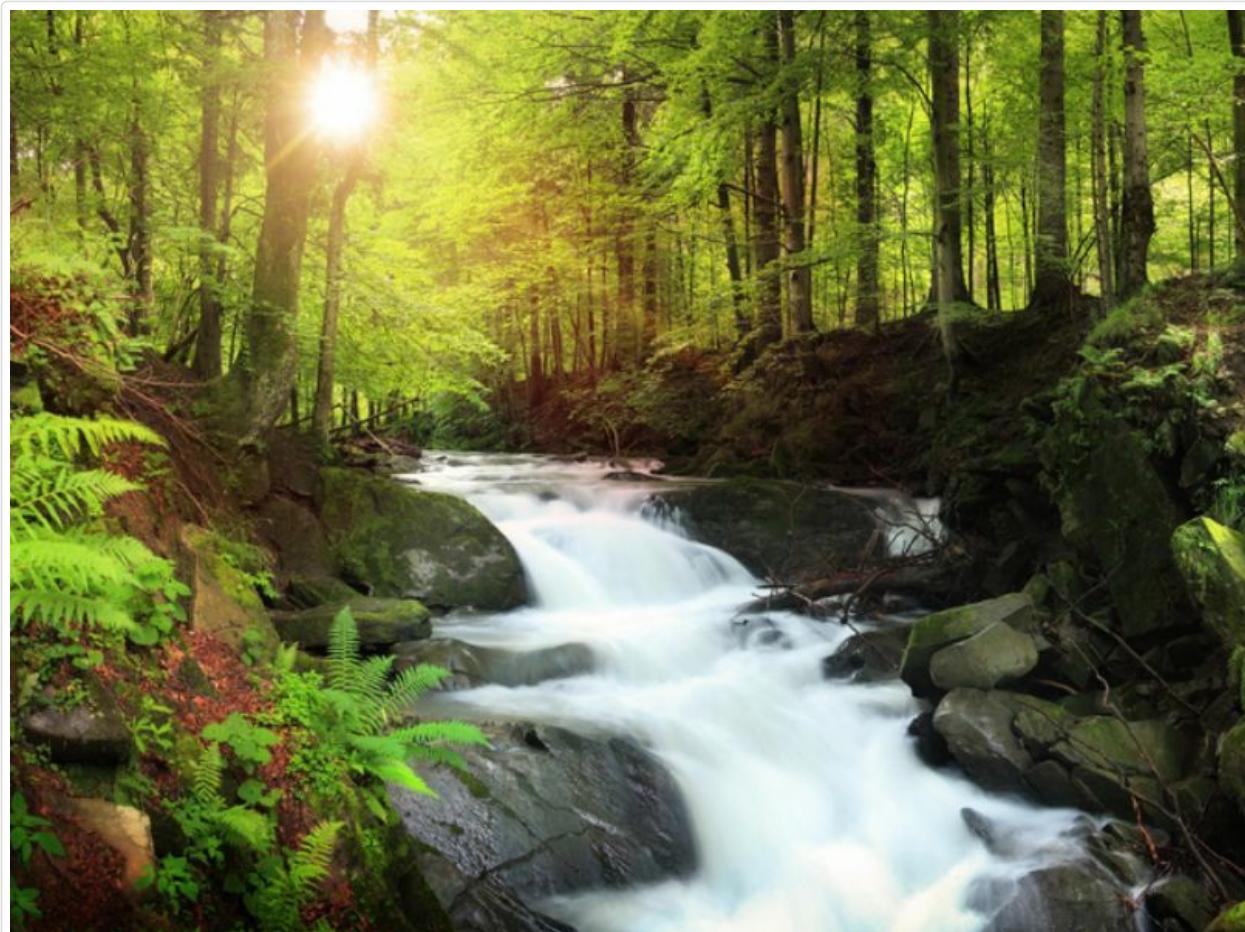
- **Compatibility:** Ensure the existing luminaire's electronic ballast is compatible with these LED tubes. Refer to the OSRAM compatibility list if unsure.
- **Indoor Use:** Primarily designed for indoor use. For outdoor applications, ensure the luminaire is specifically rated for outdoor use and provides 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

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.

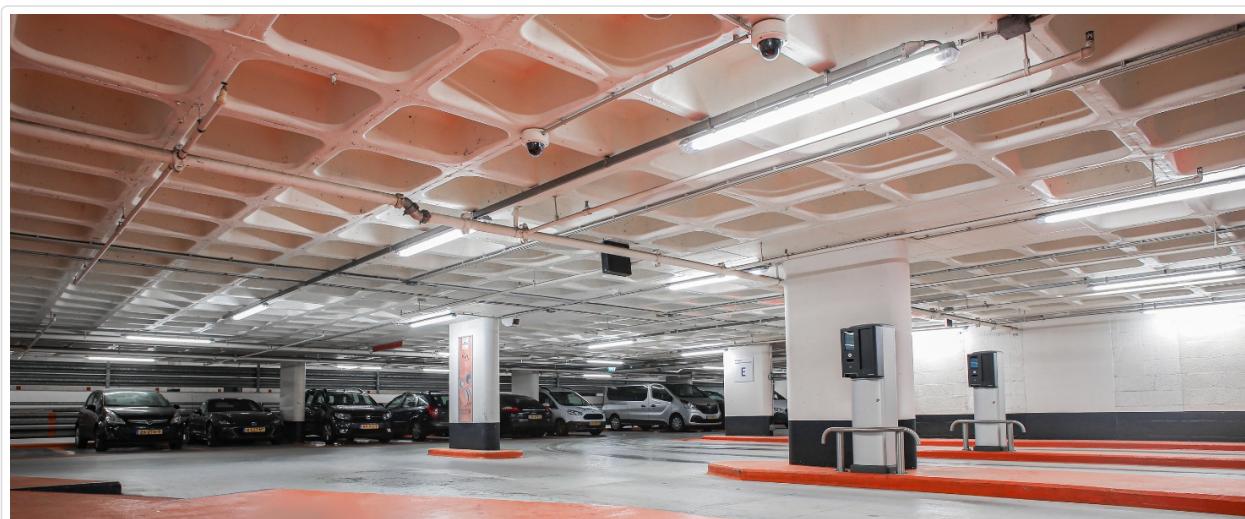


Image 4.2: OSRAM LED T5 HF L13 SHORT tubes installed in a parking garage, demonstrating their use in larger utility spaces.

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

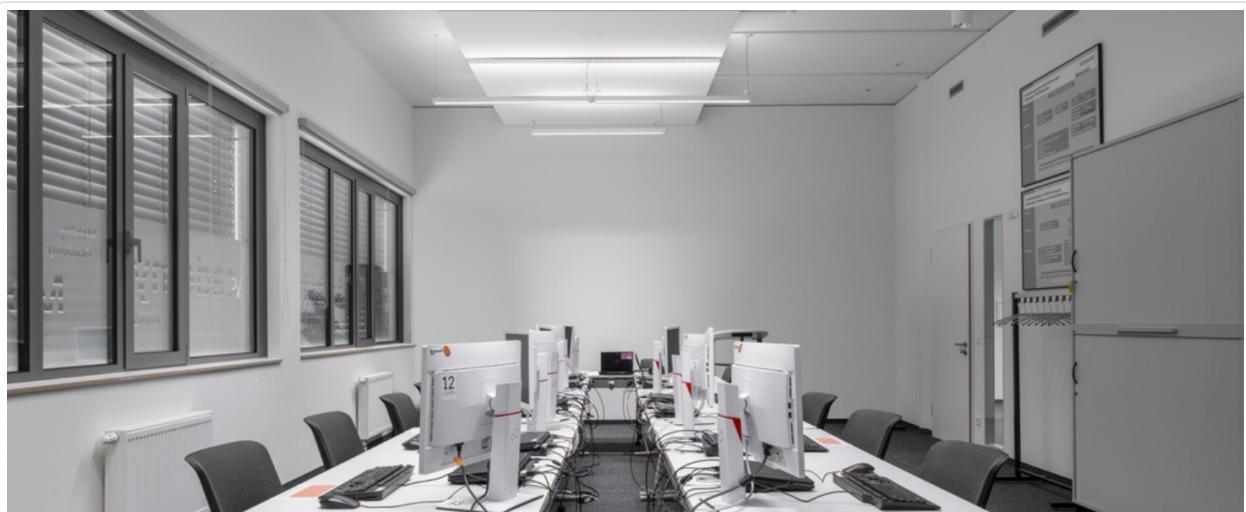


Image 7.1: Technical diagram illustrating the dimensions and key specifications of the OSRAM LED T5 HF L13 SHORT tubes.

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

Specification	Value
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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.

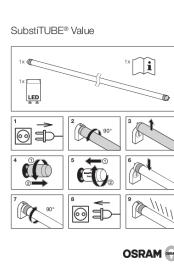
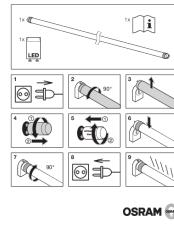
Manufacturer: Ledvance

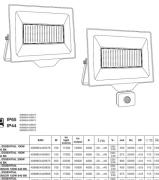
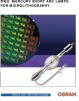
Brand: OSRAM

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

 SubstiTUBE® Value	<p>OSRAM SubstiTUBE® Value LED Tube: Installation and Specifications</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>
 SubstiTUBE® T8 EM	<p>OSRAM SubstiTUBE T8 EM LED Tube: Installation Guide and Specifications</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>
 DALI MCU TW G2	<p>OSRAM DALI MCU TW G2: DALI Controller for Tunable White Lighting</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>
 130 Internet store of Autogoods	<p>OSRAM COOL BLUE H4 64193CB-01B Automotive Halogen Bulb - 130 Autogoods</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>

  	<h3>OSRAM FLOODLIGHT ESSENTIAL: Product Specifications and Installation Guide</h3> <p>Detailed information on OSRAM FLOODLIGHT ESSENTIAL series, including technical specifications, dimensions, installation steps, sensor features, and energy efficiency for 100W, 150W, and 200W models.</p>
	<h3>OSRAM HBO® Mercury Short Arc Lamps for Microlithography</h3> <p>This document provides comprehensive information on OSRAM HBO® mercury short arc lamps, detailing their technology, applications in microlithography, construction, operating parameters, and handling instructions. It covers product specifications, quality control, and troubleshooting for these specialized lamps used in semiconductor manufacturing.</p>

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

UKCA Declaration of Conformity

Document number: 2023 /9C1-4163126-EN-00
 Manufacturer: LEDVANCE GmbH
 Address: Parkring 29-33
 85748 Garching
 Germany

Product type: LED TUBES T5 HF/UN
 Designated Product(s): see list below

We declare herewith under sole responsibility that the designated product(s) is (are) in conformity with the following essential requirements:

Directive	Designated Standard(s) or Regulation(s)
SI. 2016 No. 1101 and amendments	EN 623-2013 EN 62770-2015
SI. 2016 No. 1091 and amendments	EN 61511-2015 EN IEC 550-120-1941/2020 EN IEC 60065-3-2-2019 EN 61000-3-3-2013
SI. 2010 No. 2617 and amendments	Commission Regulation (EU) 2019/2020 Commission Delegated Regulation (EU) 2019/2010
SI. 2012 No. 3032 and amendments	EN IEC 63000-2-10

Garching, 14.02.2023  Quality Management  Quality Assurance  Shulan Chen
 LV: Yannick Schreyer
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UKCA Declaration of Conformity 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 design... lang:en score:44 filesize: 42.59 K page_count: 2 document date: 2023-03-01

EU Declaration of Conformity*1

Document number: 2023 /9C1-4163125-EN-00
 Manufacturer: LEDVANCE GmbH
 Address: Parkring 29-33
 85748 Garching
 Germany

Product type: LED TUBES T5 HF/UN
 Designated Product(s): see list below

We declare herewith under sole responsibility that the designated product(s) is (are) in conformity with the following European Union legislation:

Directive ²	Harmonized Standard(s) or Regulation(s) ³
2015/80/EU and amendments	EN 623-2013 EN 62770-2015
2014/30/EU and amendments	EN 61511-2015 EN 61000-3-2-2014 EN IEC 550-120-1941/2020 EN 61000-3-3-2013
2009/125/EC and amendments	EN 61547-2009 Commission Regulation (EU) 2019/2020 Commission Delegated Regulation (EU) 2019/2010
2011/65/EU and amendments	EN IEC 63000-2-10

Garching, 14.02.2023  Quality Management  Quality Assurance  Shulan Chen
 LV: Yannick Schreyer
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Product Codes⁴ Product Description
 AC0461 LEDTUBE T5HF LE SHORT 113 288 4W/800 LEDV
 AC0462 LEDTUBE T5HF LE SHORT 113 288 4W/840 LEDV
 AC0463 LEDTUBE T5HF L13 SHORT Y 517 7W/800 LEDV
 AC0464 LEDTUBE T5HF L13 SHORT Y 517 7W/840 LEDV
 AC7181 LEDTUBE T5HF LE SHORT 288 4W/800 OSRAM
 AC7182 LEDTUBE T5HF LE SHORT 288 4W/840 OSRAM
 AC7183 LEDTUBE T5HF L13 SHORT 517 7W/800 OSRAM

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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... lang:it score:34 filesize: 375.47 K page_count: 4 document date: 2023-03-01

Document number ³	2023 / 9C1-4163125-EN-00
Manufacturer ⁴	LEDVANCE GmbH
Address ⁴	Parkring 29-33 85748 Garching Germany
Product type ⁵	LED TUBES T5 HF/UN
Designated Product ⁶	LED TUBE
We declare herewith under sole responsibility that the designated product(s) is (are) in conformity with the following European Union Regulation ⁷	
Directive ⁸	Harmonized Standard(s) or Regulation(s) ¹²
2014/30/EU and amendments	EN 62493:2010 EN 62776:2015
2014/30/EU and amendments	EN IEC 6501-5:2019; EN IEC 6501-5:2019/A1:2020 EN IEC 6501-3-2:2019 EN 61000-3-2:2013 EN 61541:2009
2009/125/EC and amendments	Commission Regulation (EU) 2019/2020 Commission Delegated Regulation (EU) 2019/2015
2021/105/EU and amendments	EN IEC 63000:2018

Garching, 14.02.2023.  

Quality Management ¹¹	ceef ¹² # 8 .
Quality Assurance ¹¹	Shulan Chen

LV: Yannick Schreyer
Shulan Chen

Product Codes¹³

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
AC47984	LEDTUBE T5HF L8 SHORT V 288 4W/840 OSRAM
AC47981	LEDTUBE T5HF L8 SHORT 288 4W/830 OSRAM
AC47982	LEDTUBE T5HF L8 SHORT 288 4W/840 OSRAM
AC47983	LEDTUBE T5HF L13 SHORT 517 7W/830 OSRAM

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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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