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› [OSRAM DULUX L 18W/830 Fluorescent Tube 2G11 Instruction Manual](#)

## OSRAM DULUX L 18 W/830

# OSRAM DULUX L 18W/830 Fluorescent Tube 2G11 Instruction Manual

Model: DULUX L 18 W/830 | Brand: OSRAM

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your OSRAM DULUX L 18W/830 Fluorescent Tube. Please read these instructions carefully before installation and operation to ensure proper function and longevity of the product. This compact fluorescent lamp is designed for various indoor lighting applications.

## 2. PRODUCT FEATURES

- Short and compact lamp design with a double tube.
- Equipped with a 2G11 four-pin socket for secure connection.
- Dimmable functionality (1-100%) when used with compatible QUICKTRONIC QTi DALI/DIM electronic ballasts.
- High color rendering index (Ra: 80 to 89) for natural color perception.
- Extended average lifespan of 20,000 hours when operated with QUICKTRONIC ballasts.
- Offers exceptional luminous flux and outstanding light efficiency.
- Compact dimensions: Approximately 92.5 cm (length) x 5 cm (width) x 6.3 cm (height).

Produktdatenblatt			
DELEGIERTE VERORDNUNG (EU) 2019/2015 DER KOMMISSION zur Energieverbrauchskennzeichnung von Lichtquellen			
Name oder Handelsmarke des Lieferanten: OSRAM			
Anschrift des Lieferanten: LEDVANCE GmbH, Parkring 33, Garching, Germany			
Modellkennung: AC35911			
Art der Lichtquelle:			
Verwendete Beleuchtungstechnologie:	CFLni	Ungebündelt oder gebündelt:	NDLS
Art des Sockels der Lichtquelle (oder andere elektrische Schnittstelle)	2G11		
Netzspannung/Nicht direkt an die Netzspannung angeschlossen:	NMLS	Vernetzte Lichtquelle (CLS):	Nein
Farblich abstimmbare Lichtquelle:	Nein	Hülle:	-
Lichtquelle mit hoher Leuchtdichte:	Nein		
Blendschutzschild:	Nein	Dimmbar:	Ja
Produktparameter			
Parameter	Wert	Parameter	Wert
Allgemeine Produktparameter:			
Energieverbrauch im Ein-Zustand (kWh/1000 h), auf die nächstliegende ganze Zahl gerundet	19	Energieeffizienzklasse	G
Nutzlichtstrom ( $\phi_{use}$ ) mit Angabe, ob sich der Wert auf den Lichtstrom in einer Kugel (360°), in einem breiten Kegel (120°) oder in einem schmalen Kegel (90°) bezieht	1 175 in Kugel (360°)	ähnliche Farbtemperatur, gerundet auf die nächstliegenden 100 K, oder Spanne der einstellbaren ähnlichen Farbtemperaturen, gerundet auf die nächstliegenden 100 K	3 000
Leistungsaufnahme im Ein-Zustand ( $P_{on}$ ) in W	18,9	Leistungsaufnahme im Bereitschaftszustand ( $P_{ab}$ ) in W, auf die zweite Dezimalstelle gerundet	0,00
Leistungsaufnahme im vernetzten Bereitschaftsbetrieb ( $P_{net}$ )	-	Farbwiedergabeindex, auf die nächstliegende ganze Zahl gerundet	80
für CLS in W, auf die zweite Dezimalstelle gerundet			
äußere Abmessungen, ggf. ohne separates Beleuchtungssteuerungsteil und Nicht-Beleuchtungs-teile (Millimeter)	Höhe Breite Tiefe	221 17 17	Spektrale Strahlungsverteilung im Bereich 250 nm bis 800 nm bei Vollast
			Siehe Bild auf letzter Seite
Angabe zu einer gleichwertigen Leistungsaufnahme <sup>(a)</sup>	-	Falls ja, gleichwertige Leistungsaufnahme (W)	-
		Farbwertanteile (x und y)	0,440 0,403

(a) „-“: nicht zutreffend;  
(b) „-“: nicht zutreffend;

Model placed on the Union market from 03/09/2021

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EPREL registration number: 666233

Supplier: LEDVANCE GmbH (Manufacturer)

Customer care service:

Name: LEDVANCE GmbH

Email: [contact@ledvance.com](mailto:contact@ledvance.com)

Address: Parkring 33, Garching, Germany

<https://eprel.ec.europa.eu/qr/666233>

Website: <http://www.ledvance.com/>

Website: <http://www.ledvance.com/>

Phone: +49 89-780673-100

Figure 1: OSRAM DULUX L 18W/830 Fluorescent Tube with 2G11 base.

### 3. SETUP AND INSTALLATION

This fluorescent tube is suitable for standard power supplies and starters, as well as operation with conventional and electronic power supplies. Always ensure the power supply is disconnected before attempting any installation or replacement.

- Power Disconnection:** Turn off the main power supply to the fixture where the tube will be installed.
- Socket Type:** Verify that your fixture is compatible with a 2G11 four-pin socket.
- Insert Tube:** Carefully align the four pins of the DULUX L tube with the corresponding slots in the 2G11 socket. Gently push the tube into the socket until it is firmly seated. Do not force the tube.
- Secure Connection:** Ensure the tube is securely in place to prevent accidental dislodgement.
- Power Reconnection:** Restore power to the fixture. The tube should illuminate.

**Warning: Incorrect installation can lead to electrical shock or damage to the product and fixture. If you are unsure about the installation process, consult a qualified electrician.**

### 4. OPERATING INSTRUCTIONS

Once properly installed, the OSRAM DULUX L 18W/830 tube operates immediately upon power activation.

For dimmable applications, ensure your lighting fixture is equipped with a compatible electronic ballast, such as OSRAM QUICKTRONIC QTi DALI/DIM, and follow the ballast's specific dimming instructions. For optimal performance and to benefit from the OSRAM system warranty, it is recommended to use this tube in combination with OSRAM QUICKTRONIC electronic ballasts.

## 5. MAINTENANCE

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The OSRAM DULUX L 18W/830 fluorescent tube requires minimal maintenance.

- **Cleaning:** Periodically clean the exterior of the tube with a soft, dry, lint-free cloth. Do not use liquid cleaners, abrasive materials, or solvents, as these can damage the tube's surface or internal components.
- **Replacement:** Replace the tube when it reaches its end of life, indicated by flickering, reduced brightness, or failure to illuminate. Always disconnect power before replacing the tube.
- **Disposal:** Fluorescent tubes contain small amounts of mercury and should be disposed of according to local environmental regulations. Do not dispose of with regular household waste.

## 6. TROUBLESHOOTING

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If you encounter issues with your fluorescent tube, refer to the following common troubleshooting steps:

- **Tube Does Not Light Up:**
  - Ensure the power supply to the fixture is active.
  - Check that the tube is correctly and firmly seated in the 2G11 socket.
  - Verify that the ballast (if present) is functioning correctly and is compatible with the tube.
  - If replacing an old tube, ensure the new tube is not faulty.
- **Tube Flickers:**
  - Flickering can indicate an aging tube nearing its end of life. Consider replacement.
  - A faulty or incompatible ballast can also cause flickering.
  - Ensure stable power supply to the fixture.
- **Reduced Brightness:**
  - The tube may be nearing its average lifespan.
  - Dust or dirt on the tube surface can reduce light output. Clean as per maintenance instructions.

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

## 7. SPECIFICATIONS

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<b>Brand</b>	OSRAM
<b>Model Name</b>	DULUX L 18 W/830
<b>Light Type</b>	Fluorescent (CFL)
<b>Wattage</b>	18 Watts

<b>Bulb Base</b>	2G11 (4-pin)
<b>Brightness</b>	1200 Lumens
<b>Color Temperature</b>	3000 Kelvin (Warm White)
<b>Color Rendering Index (CRI)</b>	Ra 85 (80 to 89)
<b>Average Life</b>	20,000 Hours
<b>Operating Voltage</b>	120 Volts (compatible with 220-240V, 50Hz systems with appropriate ballast)
<b>Product Dimensions</b>	1.81" W x 9.69" H (approx. 92.5 x 5 x 6.3 cm)
<b>Material</b>	Glass
<b>Indoor/Outdoor Usage</b>	Indoor
<b>Energy Efficiency Class</b>	G
<b>Energy Consumption</b>	19 kWh/1000h

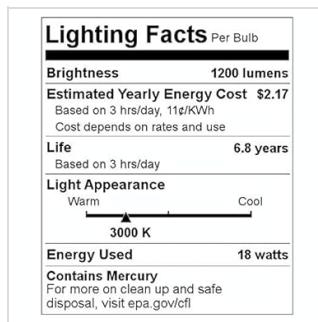


Figure 2: Energy Efficiency Label for OSRAM DULUX L 18W/830. For detailed product information, refer to the [EPREL database](#).

## 8. WARRANTY AND SUPPORT

OSRAM offers a system warranty when this DULUX L fluorescent tube is used in combination with an OSRAM QUICKTRONIC electronic ballast. For specific details regarding warranty terms and conditions, please refer to the official OSRAM website or contact their customer support.

**Manufacturer:** LEDVANCE

**Customer Service:**

- **Company:** LEDVANCE GmbH
- **Address:** Parking 33, Garching, Germany
- **Phone:** +49 89-780673-100
- **Website:** [www.ledvance.com/](http://www.ledvance.com/)