

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 QT_i 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, Parking 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

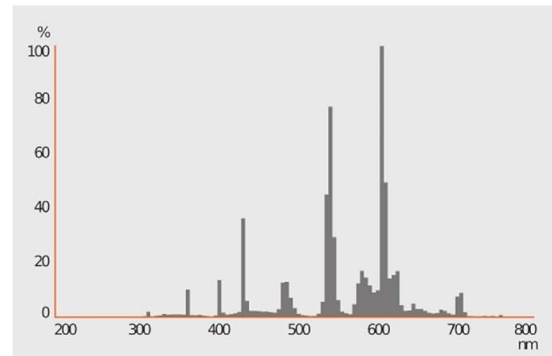
Parameter	Wert	Parameter	Wert
Allgemeine Produktparameter:			
Energieverbrauch im Ein-Zustand (kWh/1000 h), auf die nächstliegende ganze Zahl gerundet	19	Energieeffizienzklasse	G
Nutzlichtstrom (φuse) mit Angabe, ob sich der Wert auf den Lichtstrom in einer Kugel (360°), in einem breiten Kegel (120°) 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 _{st}) in W, auf die zweite Dezimalstelle gerundet	0,00
Leistungsaufnahme im vernetzten Bereitschaftsbetrieb (P _{net})	-	Farbwiedergabeindex, auf die nächstliegende ganze Zahl gerundet	80

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für CLS in W, auf die zweite Dezimalstelle gerundet		Ze Zahl gerundet, oder Spanne der einstellbaren CRI-Werte	
äußere Abmessungen, ggf. ohne separates Betriebsgerät, Beleuchtungssteuerungsteile und Nicht-Beleuchtungssteile (Millimeter)	Höhe Breite Tiefe	221 17 17	Spektrale Strahlungsverteilung im Bereich 250 nm bis 800 nm bei Vollast
Angabe zu einer gleichwertigen Leistungsaufnahme ^(a)	-	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



EPREL registration number: 666233

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

Supplier: LEDVANCE GmbH (Manufacturer)

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

Customer care service:

Name: LEDVANCE GmbH

Website:

Email: contact@ledvance.com

Phone: +49 89-780673-100

Address:
Parking 33, Garching, Germany

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 QT_i 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

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

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

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

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

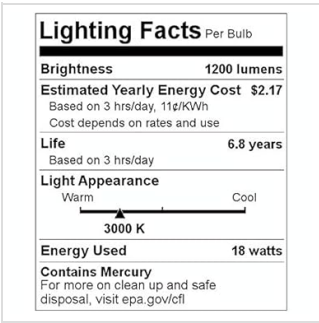


Figure 2: Energy Efficiency Label for OSRAM DULUX L 18W/830. For detailed product information, refer to the [EPREL database](#).

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/