

LEDVANCE 239233

LEDVANCE FL PFM 20W 3000K SYM 100 S BK 460911 LED Floodlight User Manual

Brand: LEDVANCE

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation, installation, and maintenance of your LEDVANCE FL PFM 20W 3000K SYM 100 S BK 460911 LED Floodlight. Please read this manual thoroughly before installation and use, and retain it for future reference.

Product Overview

The LEDVANCE FL PFM 20W 3000K SYM 100 S BK 460911 is a high-performance LED floodlight designed for outdoor illumination. It features a 20W LED light source, a warm white color temperature of 3000K, and an integrated sensor for enhanced functionality. Its robust design ensures durability and reliable operation in various environmental conditions.



Figure 1: LEDVANCE FL PFM 20W 3000K SYM 100 S BK 460911 LED Floodlight.

What's in the Box

- 1 x LEDVANCE FL PFM 20W 3000K SYM 100 S BK 460911 LED Floodlight
- 1 x Instruction Manual (this document)
- Mounting accessories (screws, wall plugs)



Figure 2: Product packaging and contents.

2. IMPORTANT SAFETY INSTRUCTIONS

To ensure safe operation and prevent damage, please observe the following safety precautions:

- Installation must be performed by a qualified electrician in accordance with all local and national electrical codes.
- Disconnect power at the circuit breaker before installation, maintenance, or cleaning.
- Do not operate the floodlight if the housing or cable is damaged.
- Ensure the mounting surface is strong enough to support the weight of the floodlight.
- Do not look directly into the LED light source when it is illuminated, as this may cause eye damage.
- Keep packaging materials out of reach of children.

- This product is designed for outdoor use and is rated IP65 for protection against dust and water jets.

3. SETUP AND INSTALLATION

3.1 Mounting the Floodlight

1. **Preparation:** Ensure power is disconnected at the main circuit breaker. Choose a suitable mounting location that provides adequate illumination and allows for proper sensor function.
2. **Marking:** Use the mounting bracket as a template to mark the drilling points on the wall or mounting surface.
3. **Drilling:** Drill holes at the marked points using an appropriate drill bit for your mounting surface. Insert wall plugs if necessary.
4. **Secure Bracket:** Attach the mounting bracket securely to the surface using the provided screws.
5. **Wiring:** Connect the floodlight's electrical wires to your mains supply according to local wiring regulations. Ensure proper grounding.
 - Brown wire (L) to Live
 - Blue wire (N) to Neutral
 - Green/Yellow wire (▲) to Earth
6. **Attach Floodlight:** Secure the floodlight body to the mounted bracket. Adjust the angle of the floodlight to the desired position.

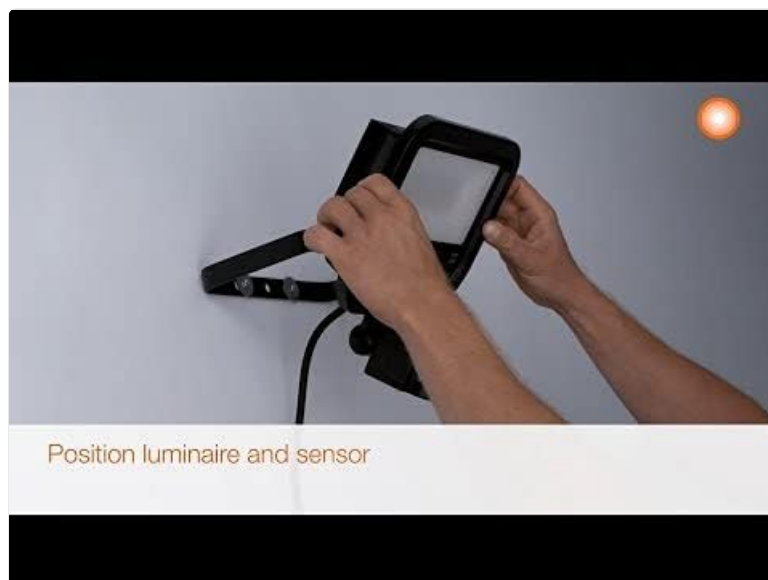


Figure 3: Detail of the integrated motion sensor.

3.2 Sensor Adjustment

The integrated sensor allows for automatic operation based on motion detection and ambient light levels. Adjust the settings using the dials on the sensor unit:

- **TIME:** Adjusts the duration the light stays on after motion is detected (e.g., 10 seconds to 12 minutes).
- **LUX:** Sets the ambient light threshold at which the sensor becomes active (e.g., from daylight to darkness).
- **SENS:** Controls the sensitivity of the motion detection (detection range, e.g., 2-12 meters).

Test the sensor settings by walking through the detection area and adjusting as needed to achieve optimal

performance.

4. OPERATION

Once installed and configured, the LEDVANCE floodlight operates automatically based on the sensor settings. When motion is detected within the sensor's range and the ambient light level is below the set LUX threshold, the floodlight will illuminate for the set TIME duration.

Manual Override (if applicable)

Some installations may allow for a manual override function by quickly switching the power ON-OFF-ON. Refer to your specific wiring setup or consult a qualified electrician if you wish to implement such a feature.

5. MAINTENANCE

The LEDVANCE floodlight is designed for minimal maintenance. However, regular cleaning and inspection can prolong its lifespan and ensure optimal performance.

- **Cleaning:** Periodically clean the lens and sensor with a soft, damp cloth to remove dirt, dust, or debris that may obstruct light output or sensor function. Do not use abrasive cleaners or solvents.
- **Inspection:** Annually inspect the floodlight, mounting bracket, and wiring for any signs of damage, corrosion, or loose connections. Address any issues promptly.
- **LED Replacement:** The LED light source is integrated and not user-replaceable. If the LEDs fail, the entire unit should be replaced.

Always disconnect power before performing any maintenance.

6. TROUBLESHOOTING

If you experience issues with your floodlight, refer to the table below for common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power supply. LUX setting too high (daylight). Sensor obstructed or faulty.	Check circuit breaker and wiring. Adjust LUX setting to a lower value. Clear obstruction; check sensor position.
Light stays on continuously.	TIME setting too long. Constant motion in detection area. Sensor faulty.	Adjust TIME setting to a shorter duration. Reposition floodlight or adjust SENS setting. Contact support.

Problem	Possible Cause	Solution
Light turns on randomly.	SENS setting too high. Environmental factors (e.g., moving branches, animals).	Reduce SENS setting. Reposition floodlight to avoid false triggers.
Light flickers.	Loose wiring connection. Power fluctuations.	Check all wiring connections (ensure power is off). Consult an electrician if power issues persist.

If the problem persists after trying these solutions, please contact LEDVANCE customer support.

7. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	239233
Part Number	460911
ASIN	B08KTK7B5K
Power Source	Hand-operated
Light Source Type	LED
Wattage	20 Watts
Color Temperature	3000 Kelvin (Warm White)
Material	Tempered Glass
Shape	Rectangular
Mounting Type	Wall Mount
Item Weight	1.36 pounds
Product Dimensions	6.93 x 6.14 x 2.17 inches (17.6 x 15.6 x 5.5 cm)
Average Life	30000 Hours
Color Rendering Index (CRI)	100
Special Features	Energy Efficient, Integrated Sensor
Ingress Protection (IP) Rating	IP65

Note: The "Power Source" listed as "Hand-operated" in some specifications may be a data entry error. This floodlight is designed for wired electrical

8. WARRANTY AND SUPPORT

Warranty Information

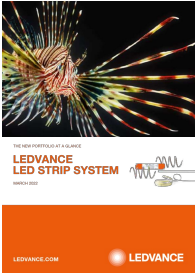
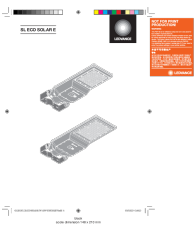

LEDVANCE products are manufactured to high quality standards and are backed by a manufacturer's warranty. For specific warranty terms and conditions applicable to your region and product, please refer to the warranty card included with your purchase or visit the official LEDVANCE website.



Customer Support

If you have any questions, require technical assistance, or need to report an issue with your LEDVANCE floodlight, please contact LEDVANCE customer support. You can find contact information and additional resources on the official LEDVANCE website or through their Amazon store page.

Visit the official LEDVANCE Store on Amazon:[LEDVANCE Amazon Store](#)

Related Documents - 239233

	<p>LEDVANCE LED Strip System: Flexible, Powerful, and Human-Centric Lighting Solutions</p> <p>Discover the LEDVANCE LED Strip System, a comprehensive range of flexible, high-performance, and human-centric lighting solutions for professional applications. Explore features, applications, and system components for diverse projects.</p>
	<p>LEDVANCE SL ECO SOLAR E - Product Specifications and Installation Guide</p> <p>Comprehensive details on the LEDVANCE SL ECO SOLAR E series, including technical specifications, dimensions, performance data, and installation guidance for various models.</p>
	<p>LEDVANCE FLOODLIGHT GEN4: Technical Specifications and Installation Guide</p> <p>Comprehensive technical specifications, product details, and installation instructions for the LEDVANCE FLOODLIGHT GEN4 series, covering various wattages, lumen outputs, and color temperatures.</p>

<div><div><div><div><div></div><div>WIFI</div></div><div></div><div><div>LEDVANCE</div></div></div></div><div><div>SMART+ WIFI FLOOD</div></div><div></div><div><table><tr><th>Model</th><th>Power (W)</th><th>Beam Angle (°)</th><th>Light Output (lm)</th><th>IP Rating</th><th>IK Rating</th><th>Dimming</th><th>Control</th><th>Mounting</th><th>Material</th><th>Weight (kg)</th><th>Dimensions (mm)</th></tr><tr><td>SMART+ WIFI FLOOD 10W</td><td>10</td><td>120</td><td>1000</td><td>IP65</td><td>IK08</td><td>Yes</td><td>App/Voice</td><td>Wall/Post</td><td>Aluminum</td><td>0.5</td><td>150x150x100</td></tr><tr><td>SMART+ WIFI FLOOD 20W</td><td>20</td><td>120</td><td>2000</td><td>IP65</td><td>IK08</td><td>Yes</td><td>App/Voice</td><td>Wall/Post</td><td>Aluminum</td><td>0.8</td><td>200x200x120</td></tr><tr><td>SMART+ WIFI FLOOD 30W</td><td>30</td><td>120</td><td>3000</td><td>IP65</td><td>IK08</td><td>Yes</td><td>App/Voice</td><td>Wall/Post</td><td>Aluminum</td><td>1.0</td><td>250x250x130</td></tr><tr><td>SMART+ WIFI FLOOD 50W</td><td>50</td><td>120</td><td>5000</td><td>IP65</td><td>IK08</td><td>Yes</td><td>App/Voice</td><td>Wall/Post</td><td>Aluminum</td><td>1.5</td><td>350x350x150</td></tr></table></div></div>	Model	Power (W)	Beam Angle (°)	Light Output (lm)	IP Rating	IK Rating	Dimming	Control	Mounting	Material	Weight (kg)	Dimensions (mm)	SMART+ WIFI FLOOD 10W	10	120	1000	IP65	IK08	Yes	App/Voice	Wall/Post	Aluminum	0.5	150x150x100	SMART+ WIFI FLOOD 20W	20	120	2000	IP65	IK08	Yes	App/Voice	Wall/Post	Aluminum	0.8	200x200x120	SMART+ WIFI FLOOD 30W	30	120	3000	IP65	IK08	Yes	App/Voice	Wall/Post	Aluminum	1.0	250x250x130	SMART+ WIFI FLOOD 50W	50	120	5000	IP65	IK08	Yes	App/Voice	Wall/Post	Aluminum	1.5	350x350x150	<div><div>LEDVANCE SMART+ WIFI Flood Outdoor LED Floodlight - Specifications and Installation</div><div>Comprehensive technical specifications, installation guide, and smart features overview for the LEDVANCE SMART+ WIFI Flood outdoor LED floodlights. Available in 10W, 20W, 30W, and 50W models with RGBW and dimming options, controllable via app and voice.</div></div>
Model	Power (W)	Beam Angle (°)	Light Output (lm)	IP Rating	IK Rating	Dimming	Control	Mounting	Material	Weight (kg)	Dimensions (mm)																																																		
SMART+ WIFI FLOOD 10W	10	120	1000	IP65	IK08	Yes	App/Voice	Wall/Post	Aluminum	0.5	150x150x100																																																		
SMART+ WIFI FLOOD 20W	20	120	2000	IP65	IK08	Yes	App/Voice	Wall/Post	Aluminum	0.8	200x200x120																																																		
SMART+ WIFI FLOOD 30W	30	120	3000	IP65	IK08	Yes	App/Voice	Wall/Post	Aluminum	1.0	250x250x130																																																		
SMART+ WIFI FLOOD 50W	50	120	5000	IP65	IK08	Yes	App/Voice	Wall/Post	Aluminum	1.5	350x350x150																																																		
<div><div><div><div></div><div>FLOODLIGHT GEN4</div></div><div></div><div><div>LEDVANCE</div></div></div></div> <div></div> <div><table><tr><th>Model</th><th>Power (W)</th><th>Beam Angle (°)</th><th>Light Output (lm)</th><th>IP Rating</th><th>IK Rating</th><th>Dimming</th><th>Control</th><th>Mounting</th><th>Material</th><th>Weight (kg)</th><th>Dimensions (mm)</th></tr><tr><td>FLOODLIGHT GEN4 10W</td><td>10</td><td>120</td><td>1000</td><td>IP65</td><td>IK08</td><td>Yes</td><td>App/Voice</td><td>Wall/Post</td><td>Aluminum</td><td>0.5</td><td>150x150x100</td></tr><tr><td>FLOODLIGHT GEN4 20W</td><td>20</td><td>120</td><td>2000</td><td>IP65</td><td>IK08</td><td>Yes</td><td>App/Voice</td><td>Wall/Post</td><td>Aluminum</td><td>0.8</td><td>200x200x120</td></tr><tr><td>FLOODLIGHT GEN4 30W</td><td>30</td><td>120</td><td>3000</td><td>IP65</td><td>IK08</td><td>Yes</td><td>App/Voice</td><td>Wall/Post</td><td>Aluminum</td><td>1.0</td><td>250x250x130</td></tr><tr><td>FLOODLIGHT GEN4 50W</td><td>50</td><td>120</td><td>5000</td><td>IP65</td><td>IK08</td><td>Yes</td><td>App/Voice</td><td>Wall/Post</td><td>Aluminum</td><td>1.5</td><td>350x350x150</td></tr></table></div>	Model	Power (W)	Beam Angle (°)	Light Output (lm)	IP Rating	IK Rating	Dimming	Control	Mounting	Material	Weight (kg)	Dimensions (mm)	FLOODLIGHT GEN4 10W	10	120	1000	IP65	IK08	Yes	App/Voice	Wall/Post	Aluminum	0.5	150x150x100	FLOODLIGHT GEN4 20W	20	120	2000	IP65	IK08	Yes	App/Voice	Wall/Post	Aluminum	0.8	200x200x120	FLOODLIGHT GEN4 30W	30	120	3000	IP65	IK08	Yes	App/Voice	Wall/Post	Aluminum	1.0	250x250x130	FLOODLIGHT GEN4 50W	50	120	5000	IP65	IK08	Yes	App/Voice	Wall/Post	Aluminum	1.5	350x350x150	
Model	Power (W)	Beam Angle (°)	Light Output (lm)	IP Rating	IK Rating	Dimming	Control	Mounting	Material	Weight (kg)	Dimensions (mm)																																																		
FLOODLIGHT GEN4 10W	10	120	1000	IP65	IK08	Yes	App/Voice	Wall/Post	Aluminum	0.5	150x150x100																																																		
FLOODLIGHT GEN4 20W	20	120	2000	IP65	IK08	Yes	App/Voice	Wall/Post	Aluminum	0.8	200x200x120																																																		
FLOODLIGHT GEN4 30W	30	120	3000	IP65	IK08	Yes	App/Voice	Wall/Post	Aluminum	1.0	250x250x130																																																		
FLOODLIGHT GEN4 50W	50	120	5000	IP65	IK08	Yes	App/Voice	Wall/Post	Aluminum	1.5	350x350x150																																																		