

## RAB Lighting LFP16A

# RAB Lighting LFP16A Sleek Floodlight Instruction Manual

Model: LFP16A

## 1. PRODUCT OVERVIEW

The RAB Lighting LFP16A Sleek Floodlight is designed for outdoor illumination, providing efficient and durable lighting. This fixture accommodates a PAR16 type bulb and features a robust die-cast aluminum housing with a powder-coated finish for enhanced durability and weather resistance.

### Key Features:

- Designed for 60W PAR16 bulbs, delivering 650 lumens output (bulb not included).
- Durable die-cast aluminum housing with a powder-coated finish.
- Gasket and O-ring seals provide resistance against weather elements.
- Integrated shield helps reduce glare.
- Equipped with a 1/2" NPS threaded arm for secure mounting and a locking swivel for adjustable positioning.



Figure 1: RAB Lighting LFP16A SLEEK Floodlight. This image shows the floodlight fixture with its threaded arm and wiring, highlighting its compact and durable design.

## 2. SAFETY INFORMATION

Please read and understand all instructions before installing or operating this product. Failure to follow these instructions may result in electric shock, fire, or other hazards that could cause property damage or personal injury.

- **Electrical Safety:** Always disconnect power at the circuit breaker or fuse box before wiring or servicing the fixture.
- **Qualified Electrician:** Installation should be performed by a qualified electrician in accordance with all local and national electrical codes.
- **Grounding:** Ensure the fixture is properly grounded to avoid potential electrical hazards.
- **Bulb Type:** Use only PAR16 type bulbs with a maximum wattage of 60W. Exceeding the maximum wattage can cause overheating and damage to the fixture.
- **Wet Location:** This fixture is suitable for wet locations. Ensure all connections are properly sealed and waterproofed during installation.
- **Temperature:** Do not install near combustible materials or surfaces that may be affected by heat.

## 3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- RAB Lighting LFP16A SLEEK Floodlight Fixture (1)
- Instruction Manual (1)

*Note: Light bulb and wire connectors are not included and must be purchased separately.*

## 4. SETUP AND INSTALLATION

This floodlight is designed for wall mounting and features a 1/2" NPS threaded arm for secure attachment to a junction box or mounting accessory. Follow these steps for proper installation:

### 1. Prepare for Installation:

- Turn off power at the circuit breaker before starting any electrical work.
- Gather necessary tools: screwdriver, wire strippers, electrical tape, silicone sealant (for waterproofing).

### 2. Mount the Fixture:

- Thread the 1/2" NPS arm of the floodlight into a compatible outdoor junction box or mounting plate. Ensure a tight and secure connection.
- Use the locking swivel to adjust the initial angle of the fixture.



Figure 2: Detail of the 1/2" NPS threaded arm and 180-degree adjustable swivel. This illustrates the mounting mechanism and flexibility of the floodlight.

### 3. Wiring Connections:

- Connect the black wire from the fixture to the hot (black) wire from the power supply.
- Connect the white wire from the fixture to the neutral (white) wire from the power supply.
- Connect the bare copper or green wire from the fixture to the ground wire from the power supply.
- Secure all connections with appropriate wire connectors and electrical tape. For outdoor installations, consider using silicone-filled wire nuts for added moisture protection.

### 4. Install Bulb:

- Carefully insert a PAR16 bulb (max 60W) into the fixture socket. Do not overtighten.

### 5. Seal and Test:

- Ensure all connections are secure and the fixture is properly sealed against moisture. Apply silicone sealant around the mounting base if necessary.
- Restore power at the circuit breaker and test the floodlight's operation.

## 5. OPERATING INSTRUCTIONS

Once installed and powered, the RAB Lighting LFP16A Floodlight operates by the control of the circuit it is connected to (e.g., a wall switch, timer, or photocell). There are no direct controls on the fixture itself.

- **Adjusting Light Direction:** The fixture features a locking swivel arm. To adjust the light direction, loosen the locking nut on the swivel, position the floodlight as desired, and then tighten the locking nut securely.
- **Glare Reduction:** The built-in shield is designed to minimize glare, directing light effectively to the intended area.



Figure 3: Example of the LFP16A floodlight used in a landscape setting, demonstrating its illumination capabilities.

## 6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your floodlight.

- **Cleaning:** Periodically clean the exterior of the fixture with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the finish. Ensure power is off before cleaning.
- **Bulb Replacement:**
  - a. Turn off power to the fixture at the circuit breaker.
  - b. Allow the old bulb to cool completely before handling.
  - c. Carefully unscrew and remove the old PAR16 bulb.
  - d. Insert a new PAR16 bulb (max 60W) into the socket, ensuring it is seated correctly.
  - e. Restore power and test the new bulb.
- **Inspection:** Annually inspect the fixture for any signs of wear, damage, or loose connections. Address any issues promptly.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	No power to the fixture. Faulty bulb. Loose wiring connection.	Check circuit breaker. Replace bulb. Inspect and secure wiring (ensure power is off).
Light flickers.	Loose bulb. Incompatible bulb type. Fluctuating power supply.	Tighten bulb. Ensure correct PAR16 bulb is used. Consult an electrician if power supply is unstable.
Water inside fixture.	Improper sealing during installation. Damaged gasket/O-ring.	Turn off power, disassemble, dry, re-seal all connections and mounting points with silicone sealant. Contact RAB Lighting for replacement parts if necessary.

## 8. SPECIFICATIONS

Attribute	Detail
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Attribute	Detail
Model Number	LFP16A
Manufacturer	RAB Lighting
Power Source	Wired Electric
Voltage	120 Volts
Wattage (Max)	60 watts
Bulb Type	PAR16 (HPS, LED compatible)
Material	Die-cast Aluminum (Housing), Plastic (Internal components)
Finish	Powder-coated (Bronze color)
Mounting Type	Wall (1/2" NPS threaded arm)
Item Weight	10.4 ounces
Assembled Diameter	2-7/16 Inches
Included Components	Light Fixture
Batteries Required	No

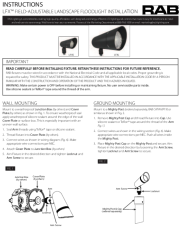

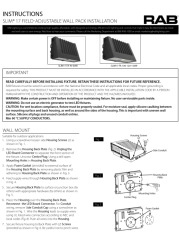
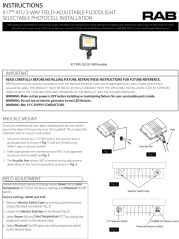
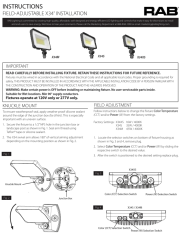
## 9. WARRANTY AND SUPPORT

The RAB Lighting LFP16A Sleek Floodlight comes with a **1-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. For warranty claims, technical support, or further assistance, please contact RAB Lighting customer service. Refer to the official RAB Lighting website for the most current contact information.

**Manufacturer:** RAB Lighting  
**Website:** [www.rablighting.com](http://www.rablighting.com) (Example link, actual link may vary)

### Related Documents - LFP16A

	<p><a href="#">RAB Lighting BULLET® Field-Adjustable LED Floodlight Installation Guide</a></p> <p>Comprehensive installation, wiring, and adjustment guide for RAB Lighting's BULLET® Field-Adjustable LED floodlights, including sensor operation, mounting, and troubleshooting.</p>
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	<p><a href="#">RAB LFX Field-Adjustable Landscape Floodlight Installation Guide</a></p> <p>Comprehensive installation instructions for the RAB LFX Field-Adjustable Landscape Floodlight, covering wall mounting, ground mounting, lens optic adjustment, wiring, maintenance, and troubleshooting. Includes details for LFXS and LFXL models.</p>
	<p><a href="#">RAB Stealth STL200 Motion Sensor Floodlight Installation Manual</a></p> <p>Comprehensive installation manual for the RAB Stealth STL200 motion sensor floodlight. Covers specifications, mounting, wiring, operation, aiming, troubleshooting, accessory kit contents, and limited warranty.</p>
	<p><a href="#">RAB SLIM 17 Field-Adjustable Wall Pack Installation Instructions</a></p> <p>Installation guide for the RAB SLIM 17 Field-Adjustable Wall Pack, covering wall mounting, field adjustments, wiring, maintenance, troubleshooting, and Lightcloud Blue system integration.</p>
	<p><a href="#">RAB Lighting X17 Series Field-Adjustable Floodlight Installation Guide</a></p> <p>Comprehensive installation, adjustment, wiring, and maintenance instructions for RAB Lighting's X17 series field-adjustable floodlights, including XFU and PA models, covering various mounting options like Knuckle, Trunnion, and Slipfitter.</p>
	<p><a href="#">RAB X34 Series Field-Adjustable LED Floodlight Installation Instructions</a></p> <p>Comprehensive installation guide for RAB Lighting's X34 series field-adjustable LED floodlights, covering mounting, wiring, field adjustments (CCT, Power, Photocell), and maintenance.</p>