

Optonica 3800156659032

Optonica 20W LED Floodlight IP65 - User Manual

Model: 3800156659032

1. PRODUCT OVERVIEW

The Optonica 20W LED Floodlight is a versatile and energy-efficient lighting solution designed for both indoor and outdoor applications. With an IP65 waterproof rating, it is protected against dust and water jets, making it suitable for various environments. This floodlight provides a bright 1600 lumens of daylight white light (6000K) while consuming only 20 watts, equivalent to a 100-watt traditional light source. It features a durable aluminum construction and a long operational lifespan, backed by a 3-year warranty.

Typical applications include illuminating garage entrances, pathways, building facades, architectural features, and large indoor spaces.

2. SAFETY INSTRUCTIONS

- Always disconnect power before installation, maintenance, or cleaning.
- Installation should be performed by a qualified electrician or in accordance with local electrical codes.
- Ensure the mounting surface is capable of supporting the weight of the floodlight.
- Do not look directly into the LED light source when it is illuminated, as this may cause eye strain or damage.
- Do not modify the product in any way. Unauthorized modifications may void the warranty and pose safety risks.
- Keep the product away from flammable materials.
- Ensure all electrical connections are secure and properly insulated to prevent electric shock.

3. SETUP AND INSTALLATION

3.1 Package Contents

- 1x Optonica 20W LED Floodlight
- 1x U-shaped mounting bracket (pre-attached)

3.2 Mounting the Floodlight

1. Choose a suitable mounting location (wall, ceiling, or other stable surface) that can support the floodlight's weight and provide adequate illumination.
2. Using the pre-attached U-shaped mounting bracket as a template, mark the drilling points on the desired surface.
3. Drill appropriate holes and insert suitable anchors (not included, depending on surface material).
4. Securely fasten the mounting bracket to the surface using screws (not included).
5. Adjust the angle of the floodlight as needed by loosening the screws on the sides of the bracket, tilting the light, and then tightening the screws firmly.



Figure 1: Rear view of the floodlight with mounting bracket and wiring.

3.3 Electrical Connection

The floodlight comes with a 25cm electrical cable. Ensure the power supply is turned OFF at the circuit breaker before proceeding with wiring.

- Connect the floodlight's electrical cable to your main power supply. Standard wiring colors are typically:
 - Brown (Live/Phase)
 - Blue (Neutral)
 - Green/Yellow (Earth/Ground)

Note: Always consult local electrical regulations and ensure proper grounding for safety.

- Use appropriate waterproof connectors and junction boxes for outdoor installations to maintain the IP65 rating.
- Once connections are secure, restore power to test the floodlight.

4. OPERATING INSTRUCTIONS

The Optonica 20W LED Floodlight is designed for immediate illumination upon receiving power. There are no complex controls; simply connect it to a power source, and it will light up.

- **Power On/Off:** Control the floodlight using an external switch connected to its power supply.
- **Light Output:** Provides 1600 lumens of 6000K daylight white light with a wide 120° beam angle for broad coverage.
- **Versatile Use:** Suitable for continuous illumination in areas requiring bright, efficient lighting, such as security lighting, accent lighting, or general area lighting.



Figure 2: Front view of the Optonica LED Floodlight.

5. MAINTENANCE

The Optonica LED Floodlight requires minimal maintenance due to its durable construction and long-life LED technology.

- **Cleaning:** Periodically clean the floodlight's surface and glass cover with a soft, damp cloth to remove dust and debris. Do not use abrasive cleaners or solvents. Ensure power is disconnected before cleaning.
- **Inspection:** Regularly inspect the electrical cable and connections for any signs of wear, damage, or corrosion. Address any issues promptly to ensure safe operation.
- **No User-Serviceable Parts:** The LED module is integrated and not designed for user replacement. Do not attempt to open the floodlight housing.

6. TROUBLESHOOTING

If the floodlight is not functioning as expected, perform the following basic checks:

- **No Light:**
 - Check if the power supply is active.
 - Verify that the external switch (if any) is in the "ON" position.
 - Inspect all electrical connections for looseness or damage (ensure power is OFF before inspection).
 - Check the circuit breaker for the connected circuit.

- **Flickering Light:**
 - Ensure all electrical connections are secure.
 - Check for stable power supply.

If the problem persists after performing these checks, contact customer support or a qualified electrician.

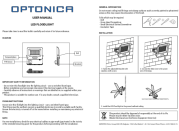
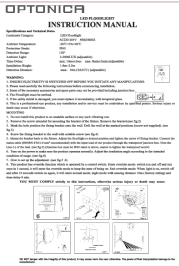
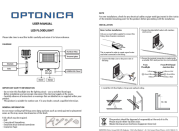
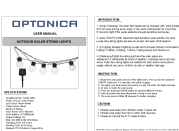
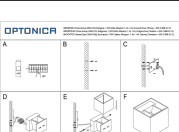
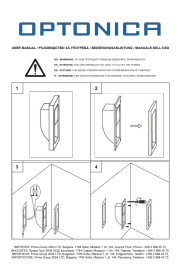
7. SPECIFICATIONS

Brand	Optonica
Model Number	3800156659032
Power Consumption	20W (100W equivalent)
Luminous Flux	1600 lumens
Color Temperature	6000K (Daylight White)
Beam Angle	120°
IP Rating	IP65 (Waterproof and Dust-tight)
Material	Aluminum
Dimensions (L x W x H)	142 x 130 x 24 mm
Cable Length	25 cm
Installation Type	Surface Mount (U-bracket included)
Usage Environment	Indoor / Outdoor

8. WARRANTY AND SUPPORT

The Optonica 20W LED Floodlight is covered by a **3-year warranty** from the date of purchase, covering defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For technical support, warranty claims, or any questions regarding your product, please contact your retailer or Optonica customer service through their official website or contact channels.



	<p>Optonica LED Floodlight User Manual - Installation and Safety Guide</p> <p>Comprehensive user manual for Optonica LED Floodlights, covering installation, safety precautions, general information, and disposal. Includes detailed instructions and diagrams.</p>
	<p>Optonica LED Floodlight Instruction Manual - Installation and Operation Guide</p> <p>This instruction manual provides detailed guidance for the Optonica LED Floodlight. It includes technical specifications, critical safety warnings, step-by-step mounting instructions, and information on the override function. Essential for safe and correct installation and operation by qualified personnel.</p>
	<p>Optonica LED Floodlight User Manual: Installation and Safety Guide</p> <p>Comprehensive user manual for Optonica LED Floodlights, covering installation, safety precautions, general information, and disposal. Includes diagrams and step-by-step instructions.</p>
	<p>Optonica Outdoor Solar String Lights User Manual 7m 20 LED G50</p> <p>User manual for Optonica Outdoor Solar String Lights (7m, 20 G50 LEDs). Features include solar charging, auto on/off, 8 lighting modes, and waterproof design. Includes specifications, setup instructions, and safety cautions.</p>
	<p>Optonica LED Wall Light Installation Guide</p> <p>Installation instructions for the Optonica LED Wall Light, model series 7451-7462, detailing the assembly and mounting process.</p>
	<p>Optonica User Manual: Installation Guide</p> <p>User manual and installation guide for Optonica products, detailing safety precautions and step-by-step assembly instructions.</p>