

# FLACCT40 FLOOD LIGHT

3 CCT



3000K



4000K



5000K

## INSTALLATION GUIDE

ABBA LIGHTING USA

# FLACCT40 FLOOD LIGHT

3CCT



HEAVY DUTY  
CAST  
ALUMINUM

FINISH  
BROWN



3000K

4000K

5000K

Thank you for choosing our high-quality product. To ensure the best possible experience, please take a moment to carefully read and follow all instructions before assembly, installation, and use. Doing so will not only guarantee proper function and safety but also help you maximize the full potential of this exceptional product. We truly appreciate your business and are honored to be your trusted provider of top-notch products!



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# WARNING

## TO REDUCE THE RISK OF FIRE OR INJURY TO PERSONS:

- ✔ Please exercise caution when using the lamp, as it tends to HEAT up rapidly. We recommend taking necessary safety measures to ensure optimal usage.
- ✔ For your safety, please refrain from touching the HOT lens, guard, or enclosure. We recommend waiting for the product to cool down before handling it.
- ✔ To prevent any fire hazards, please ensure that the lamp is kept away from materials that may easily catch fire. We appreciate your cooperation in maintaining a safe and secure environment.
- ✔ For safety reasons, we recommend that only a qualified professional install this electrical product.
- ✔ Before attempting to install this unit, ensure all power connections are off for your own safety.

# WARRANTY

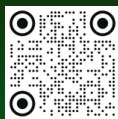
- We stand behind the quality of our product and offer a 3 Year warranty. Kindly ensure that you keep the proof of purchase as it will be required for any warranty claims.
- Warranty will be void if there is any damage due to improper usage or modification to the fixture.
- Failure to comply with the instruction in this manual may increase the risk of damage or injury and will void warranty.



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# CAUTION:

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**DO NOT INSTALL WITHIN 10 FEET OF A POOL, SPA OR FOUNTAIN**

## PRODUCT OVERVIEW

Introducing the FLACCT40 Integrated 3CCT Aluminum Flood Light, one of the most versatile and high-performance flood lights ever designed by Abba Lighting USA. Engineered with cutting-edge LED technology and built to withstand the harshest outdoor conditions, the FLACCT40 is the ideal solution for professionals and homeowners who demand precision lighting with long-lasting durability.

Whether you're accentuating architectural structures, illuminating landscape features, or increasing property security, the FLACCT40 offers exceptional performance and adaptability. With its selectable wattage and color temperature settings, this fixture allows full customization on-site, making it a one-fixture-fits-all solution for a wide range of lighting scenarios.

Crafted from corrosion-resistant, die-cast aluminum and finished in a UV-protected bronze coating, this flood light is designed to endure the elements while maintaining its sleek appearance. It comes equipped with a glare shield, ground spike, and pre-wired leads, ensuring that installation is simple, secure, and fast.

## 3-CCT SELECTABLE COLOR TEMPERATURE

Eliminate the guesswork with built-in 3CCT functionality. Easily toggle between 3000K (Warm White), 4000K (Neutral White), and 5000K (Cool White)—offering aesthetic flexibility for different landscapes, architectural textures, or security demands.

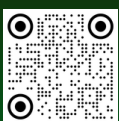
20W: 1702.3 lm

25W 2049.4 lm

30W: 2363.9 lm

35W: 2617.8 lm

40W:2999.5 lm



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## SUPERIOR LIGHT OUTPUT & COVERAGE

Produces up to 3,300 lumens with a 130° wide beam angle, delivering smooth, even light distribution across broad areas. Perfect for illuminating pathways, signage, building facades, gardens, driveways, or open landscapes.

## BUILT TOUGH FOR OUTDOOR CONDITIONS

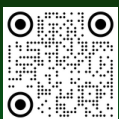
Constructed from die-cast aluminum with a durable bronze powder-coated finish, and fully rated at IP65 for dust and water resistance. This flood light performs flawlessly in rain, snow, dust, and heat.

## INTEGRATED LED TECHNOLOGY

No bulbs required. Features high-efficiency built-in LED chips with low heat emission, zero maintenance, and a long lifespan of up to 30,000 hours.

## ENERGY-EFFICIENT LOW VOLTAGE OPERATION

Runs on AC/DC 12V, compatible with most standard low voltage transformers—delivering bright light with minimal energy usage and enhanced safety for residential and commercial environments.



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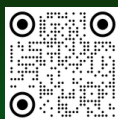
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## READY-TO-INSTALL

Includes ABS ground stake, adjustable glare shield, and pre-installed lead wire, making installation quick and contractor-friendly. The fixture is adjustable for angling the beam exactly where needed.

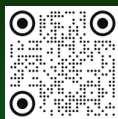
Specification	Details
Model	FLACCT40
Light Source	Integrated LED
Selectable CCT	3,000K, 4,000K & 5,000K
Material	Aluminum
Operating Voltage	Adjustable 20W-40W AC/DC 12V
Mounting Style	Adjustable bracket flood mount
Weather Rating	Outdoor-rated
Application	Exterior area flood lighting



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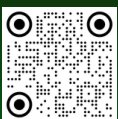
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## IDEAL APPLICATIONS

- Landscape area illumination
- Architectural accent lighting for building exteriors
- Driveways, patios, and walkways
- Signage and outdoor signage backlighting
- Security and perimeter lighting
- Outdoor entertainment and gathering spaces

## IMPORTANT SAFETY INFORMATION

To ensure optimal performance and safety, always use our fixtures ONLY with a low-voltage landscape transformer. This transformer reduces the voltage from 120V to 12V, making it safe and suitable for outdoor use. Failure to follow these guidelines may result in electrical hazards or damage to the fixture.



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## STEP-BY-STEP INSTALLATION INSTRUCTIONS

### Step 1: Plan Your Layout

- **Determine Placement:** Choose the path or area where the lights will be installed. Measure the distance between lights to ensure even illumination. A typical spacing is 6–10 feet apart, depending on the desired light spread.
- **Consider Power Source:** Ensure that the Spotlight can be connected to a suitable power source. Ensure that the input voltage of the light cable wires is 12V AC/DC. Using improper voltage may cause malfunction or permanent damage to the fixture.

### Step 2: Prepare the Ground

- **Dig the Hole:** Using a shovel or trowel, dig a hole where you want to install the Spotlight. The hole should be deep enough to accommodate the ground stake.
- **Ensure Stability:** Make sure the hole is wide enough to allow the ground stake to sit firmly. Test-fit the stake by inserting it into the hole to ensure stability before proceeding.

### Step 3: Establish a Secure Electrical Connection

**For a dependable and long-lasting electrical connection between the fixture wires and the main line in outdoor or underground installations, follow these guidelines:**

- Use a direct burial-rated main cable connector designed to withstand environmental conditions, resist moisture and corrosion, and provide robust insulation.
- We recommend using WN12 waterproof wire nuts (sold separately) for optimal connectivity and protection against the elements.



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## Step 4: Wire Connection Instructions

**Strip the insulation:** Carefully strip approximately  $\frac{3}{4}$  inch (1.9 cm) of insulation from the ends of the two wires to be connected. Ensure that the exposed metal ends are clean and free of frayed strands.

**Align the wires:** Hold the stripped ends of both wires together, making sure they are neatly aligned with no stray strands crossing over.

**Twist the wire nut:** Firmly twist the wire nut clockwise onto the wires until it is tight and secure.

Insert the wires into the wire nut: Push the aligned wire ends all the way into the wire nut, ensuring that the bare metal is fully covered.

**Test the connection:** Gently tug on each wire to ensure they are firmly held in place and will not come loose.

**Inspect the connection:** Ensure that no exposed wires or loose strands are visible. If the connection is not secure, remove the wire nut and repeat the process.

**⚠ Note:** Always follow local electrical codes and regulations when performing electrical work. If unsure or uncomfortable with electrical tasks, consult a qualified electrician. Safety should always be a top priority.

## FIXTURE ASSEMBLY & INSTALLATION

### Step 5: Mounting the Fixture

- Insert the spike mount into the ground, ensuring it is vertical and stable for proper positioning.
- Adjust the light angle as needed to achieve the desired illumination.



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## Step 6: Power On & Final Adjustments

- Turn on the power to test the fixture.
- Make any final angle adjustments to ensure optimal lighting coverage.
- Verify proper operation before completing the installation.
- Bury the main cable underground for safety and protection from external elements.
- Do not exceed the maximum wattage specified for the fixture to prevent overheating or damage.
- Regularly inspect and maintain your lighting system to ensure long-term reliability.

Press to change the color temperature



Press to change the wattage



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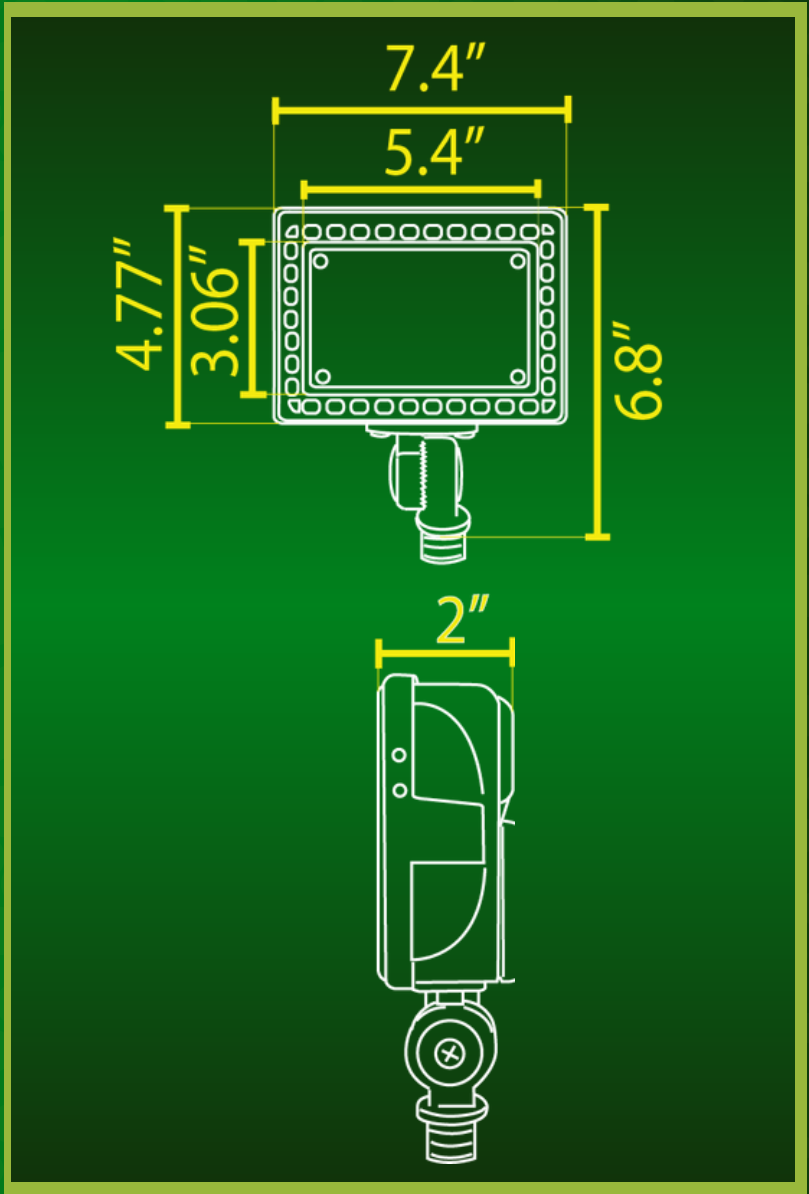


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## MAINTENANCE TIPS

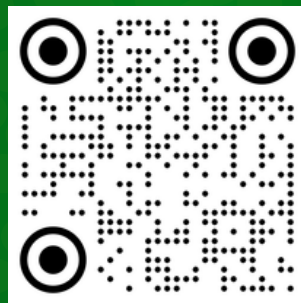
- **Regular Inspection:** Periodically check the bracket and fixture to ensure they are still securely mounted and functioning correctly.
- **Surface Maintenance:** Monitor the mounting surface, particularly trees, to ensure the bracket does not cause damage as the tree grows.

## SAFETY PRECAUTIONS

- Always wear appropriate safety gear, such as gloves and safety glasses, during installation.
- Ensure the mounting surface is capable of supporting the weight of both the bracket and the lighting fixture.

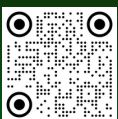
## ADDITIONAL RESOURCES

For a detailed video tutorial on how to install, visit our YouTube channel and search for "FLACC40"



Please visit our website for more of our products.

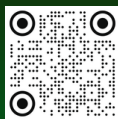
[www.ABBALightingUSA.com](http://www.ABBALightingUSA.com)



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