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› [GKOLED](#) /

› [GKOLED 12 Inch LED Hardscape Lighting Instruction Manual](#)

## GKOLED GKOLHA4WL12V27KAD

# GKOLED 12 Inch LED Hardscape Lighting Instruction Manual

Model: GKOLHA4WL12V27KAD

Brand: GKOLED

### PRODUCT OVERVIEW

The GKOLED 12 Inch LED Hardscape Lighting fixture (Model GKOLHA4WL12V27KAD) is designed for low voltage outdoor landscape applications, providing warm white illumination for retaining walls, steps, and paver areas. This durable light features energy-saving LED chips and a weather-resistant aluminum housing, ensuring reliable performance in various outdoor conditions.



Image: Four GKOLED 12 Inch LED Hardscape Lights, showcasing the product's design and included mounting brackets.

# PRODUCT FEATURES

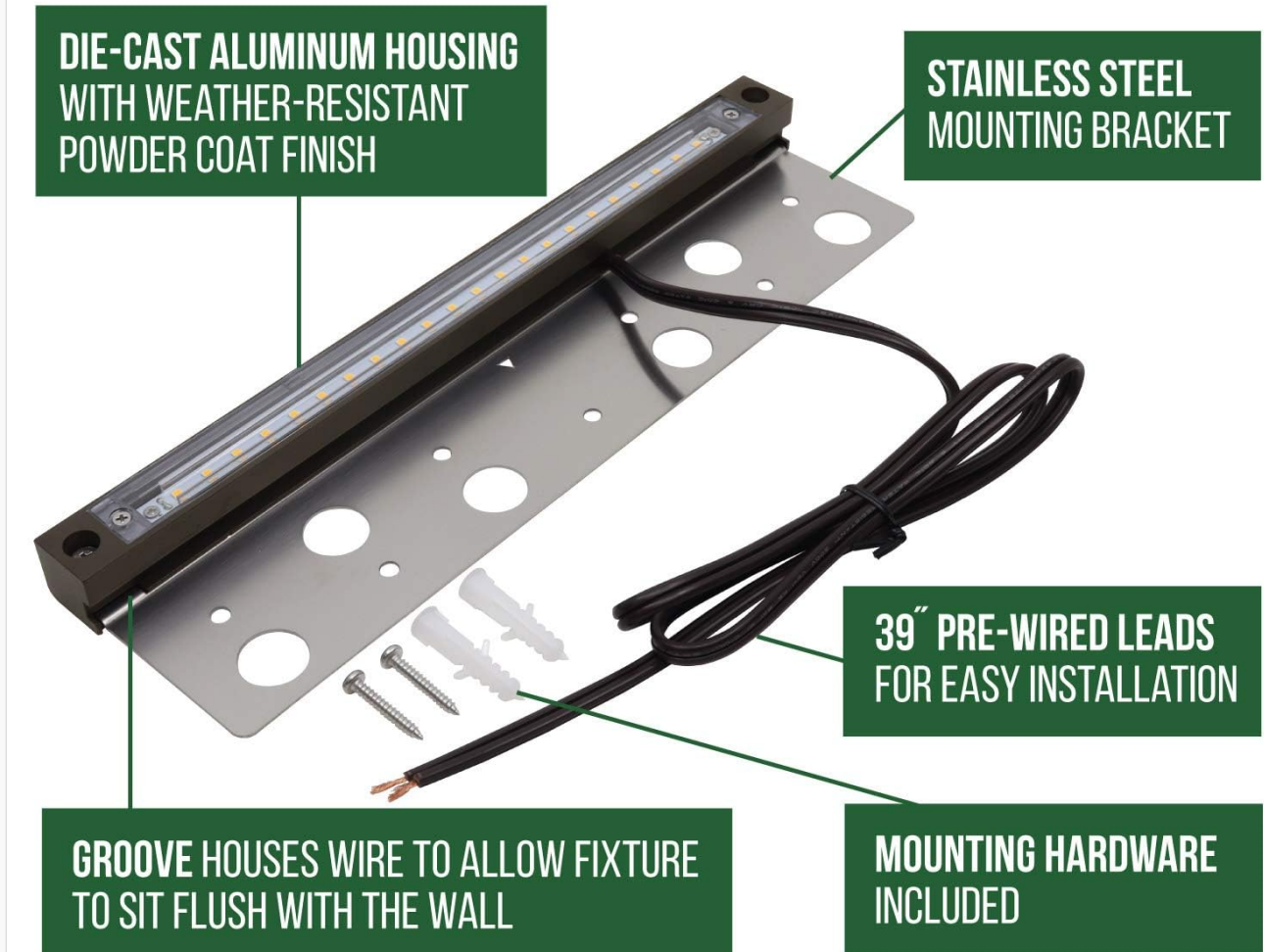


Image: Product features graphic, highlighting the durable die-cast aluminum housing, stainless steel mounting bracket, pre-wired leads, and included mounting hardware.

## Key Features:

- **Light Output:** 300 Lumens from 22 energy-saving LED chips for even and comfortable light distribution.
- **Color Temperature:** 2700K Warm White.
- **Voltage:** 12V AC/DC working voltage, compatible with most 12V landscape lighting systems. A 12V low voltage transformer is required (not included).
- **Construction:** Durable powder-coated die-cast aluminum housing ensures weather resistance.
- **Installation:** Includes a versatile stainless steel mounting bracket, pre-wired 39-inch SPT-1 18AWG leads, 2 screws, and 2 expansion anchors.
- **Lifespan:** Extended lifespan of over 40,000 hours due to durable construction and well-designed driver.



Image: Example of GKOLED hardscape lights installed in an outdoor patio setting, illuminating a retaining wall and steps.

## PACKAGE CONTENTS

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- GKOLED 12 Inch LED Hardscape Light Fixtures (Quantity as per pack size)
- Stainless Steel Mounting Brackets
- Mounting Screws (2pcs per fixture)
- Expansion Anchors (2pcs per fixture)

## INSTALLATION INSTRUCTIONS

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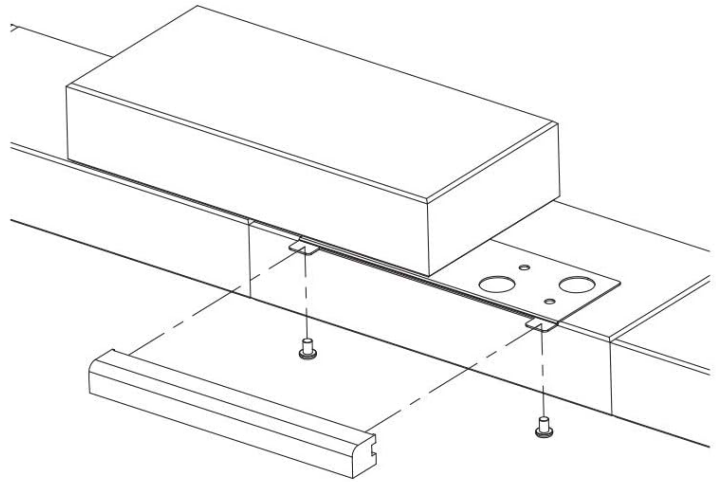
**IMPORTANT: To ensure safety, make sure the power supply is turned OFF before installation. Perform installation in accordance with the National Electric Code (NEC) and local code specifications.**



# INSTALLATION INSTRUCTIONS

**IMPORTANT:** To ensure safety, make sure the power supply is turned OFF before installation. Perform installation in accordance with the National Electric Code (NEC) and local code specifications.

1. Turn OFF the power supply.
2. Determine the desired location for each fixture before construction of the wall is started. Mark the location of the two screw holes and drill the holes for the plastic anchors with a drill bit that is appropriate for the material that you are drilling into. Place the plastic anchors into the holes.
3. Place the stainless steel mounting bracket and fixture in between layers of hardscape material. Screw the 2 screws into the anchors through the holes in the bracket, securing the fixture.
4. Route the fixture wire through the wall to the main low voltage supply cable using standard masonry procedures.
5. Connect the fixture to the **low voltage** power supply.



## CAUTION!



1. Install fixture at least 10ft from a pool, spa, or fountain.
2. Use approved/listed wire connection devices suitable for the application.
3. Do not exceed manufacturers' wiring combinations specification for size and quantity of conductors.

**IMPORTANT:** The operating voltage range is 10-14V AC/DC only.

Image: Detailed diagram illustrating the installation process of the hardscape light within a retaining wall structure.

1. **Turn OFF the power supply.** Ensure all power to the landscape lighting system is disconnected before proceeding.
2. **Determine Mounting Location:** Select the desired location for each fixture. If installing in a new wall, determine the location before construction begins. Mark the location for two screw holes and drill holes appropriate for the material. Insert the plastic anchors into these holes.
3. **Secure the Fixture:** Place the stainless steel mounting bracket and fixture in between layers of hardscape material (e.g., retaining wall blocks). Screw the two screws into the anchors through the holes in the bracket, securing the fixture firmly.
4. **Route Wiring:** Route the fixture wire through the wall to the main low voltage power supply cable using standard masonry procedures. The fixture's groove houses the wire to allow it to sit flush with the wall.
5. **Connect to Power Supply:** Connect the fixture to a 12V low voltage power supply. Ensure connections are secure and waterproof.

## CAUTION!

- Install fixture at least 10 feet (3 meters) from a pool, spa, or fountain.
- Use approved/listed wire connection devices suitable for the application.
- Do not exceed manufacturers' wiring combinations specification for size and quantity of conductors.

**IMPORTANT: The operating voltage range is 10-14V AC/DC only.**

## OPERATING INSTRUCTIONS

Once properly installed and connected to a compatible 12V low voltage transformer (not included), the GKOLED Hardscape Light will operate when power is supplied to the circuit. Control the light by turning the power to the landscape lighting system ON or OFF.

The light features an "Instant On" capability, providing immediate illumination when power is applied.

## MAINTENANCE

The GKOLED Hardscape Light is designed for minimal maintenance. To ensure optimal performance and appearance:

- **Cleaning:** Periodically clean the lens and housing with a soft, damp cloth to remove dirt, dust, or debris. Avoid abrasive cleaners or solvents.
- **Inspection:** Regularly inspect the wiring and connections for any signs of damage or wear. Ensure all connections remain secure and waterproof.
- **LEDs:** The integrated LED chips are designed for long life and are not user-replaceable.

## TROUBLESHOOTING

| Problem                   | Possible Cause   | Solution   |
|---------------------------|--|--|
| Light does not turn on.   | No power to the circuit.<br>Loose or incorrect wiring.<br>Faulty transformer.                      | Check if the landscape lighting system is powered ON.<br>Verify all wire connections are secure and correct.<br>Test the transformer output voltage. Ensure it is 10-14V AC/DC.  |
| Light flickers or is dim. | Insufficient power.<br>Voltage drop due to long wire runs or undersized wire.<br>Loose connection. | Ensure the transformer is adequately sized for the total wattage of all connected lights.<br>Check wire gauge and length; consider using heavier gauge wire or shorter runs.<br>Inspect all connections for tightness. |
| Water inside the fixture. | Improper sealing during installation.<br>Damage to housing or lens.                                | Ensure all seals are intact and the fixture is properly installed to prevent water ingress. If damage is present, contact support.   |

## SPECIFICATIONS

# 12 INCH LED HARDSCAPE LIGHT





**LIGHT OUTPUT : 300 LUMENS**  
**LIGHT SOURCE : 22 LEDS**  
**INPUT VOLTAGE : 12V AC/DC**  
**REPLACES : 30W INCANDESCENT**  
**COLOR : 2700K WARM WHITE**  
**LIGHT DIRECTION : DOWNLIGHT**

5  
YEAR  
WARRANTY

**ESTIMATED LIFESPAN  
OVER 50,000 HOURS**

Image: Product specification graphic, highlighting key performance metrics and features.

| Attribute               | Detail                              |
|-------------------------|-------------------------------------|
| Brand                   | GKOLED                              |
| Model Number            | GKOLHA4WL12V27KAD                   |
| Product Dimensions      | 12"L x 0.77"W x 3.07"H              |
| Item Weight             | 4.55 pounds (for 4-pack)            |
| Material                | Aluminum (Housing), Plastic (Shade) |
| Finish Type             | Powder Coated                       |
| Light Source Type       | LED                                 |
| Number of Light Sources | 22 LEDs                             |
| Wattage                 | 4 Watts                             |



| Attribute              | Detail                                   |
|------------------------|--|
| Voltage                | 12V AC/DC (Operating range 10-14V AC/DC) |
| Brightness             | 300 Lumens                               |
| Efficiency             | 30 lumens per watt                       |
| Color Temperature      | 2700 Kelvin (Warm White)                 |
| Indoor/Outdoor Usage   | Outdoor use only                         |
| Water Resistance Level | Water Resistant                          |
| Special Feature        | Instant On, Compact                      |
| Estimated Lifespan     | 40,000 hours                             |

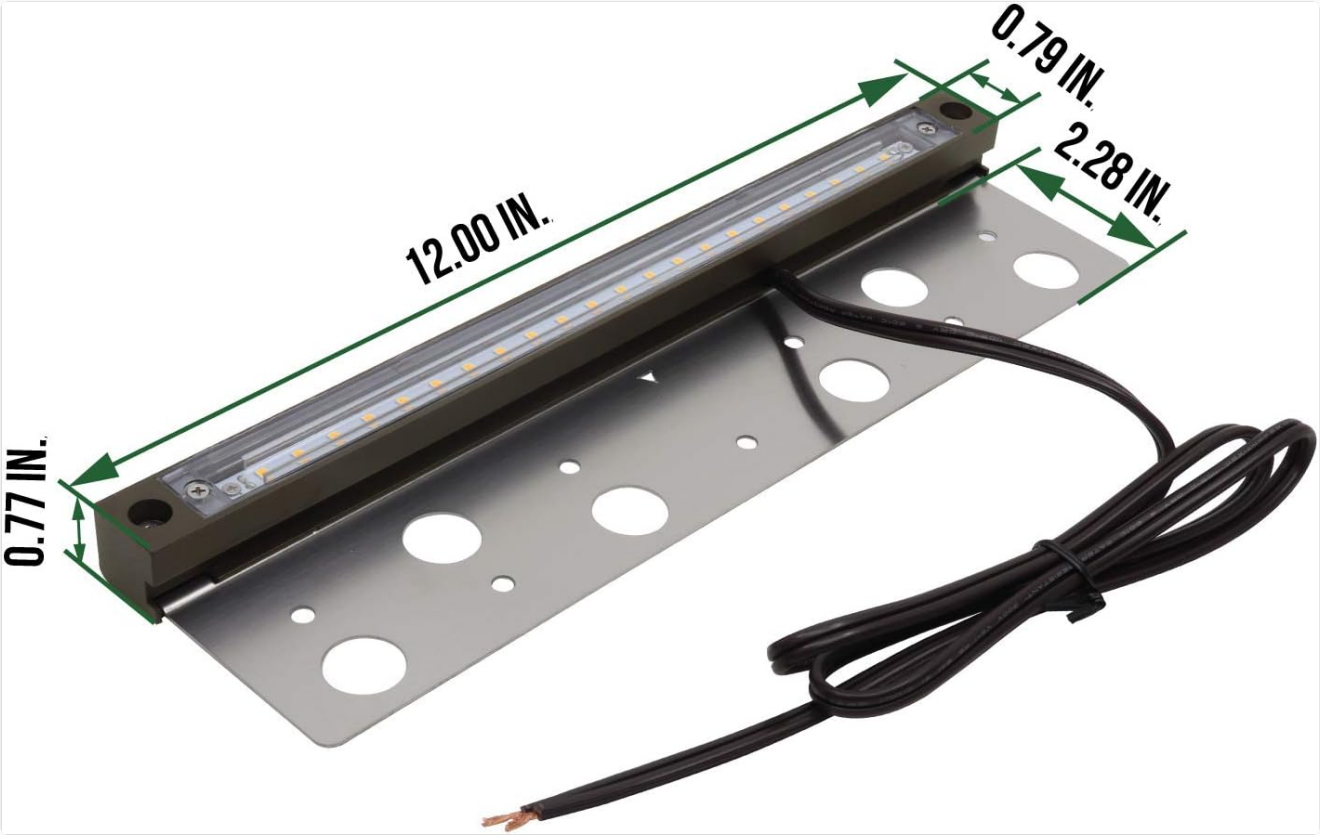


Image: Dimensional drawing of the hardscape light, indicating length, width, and height in inches.

## WARRANTY INFORMATION

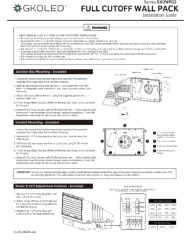
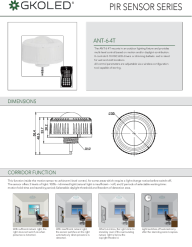
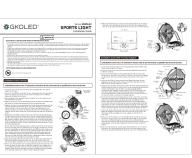
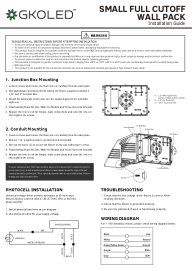

This GKOLED product is covered by a **5-year warranty** from the date of original purchase. The durable aluminum housing and well-designed driver contribute to an extended lifespan of 40,000 hours. For any quality issues or warranty claims, please contact GKOLED customer support.

## SUPPORT

For further assistance, technical support, or inquiries regarding your GKOLED 12 Inch LED Hardscape Lighting, please visit the official GKOLED website or contact their customer service department. You can also refer to the [GKOLED Store on Amazon](#) for additional product information and support resources.



## Related Documents - GKOLHA4WL12V27KAD

|   |  |
|---|--|
|    | <p><a href="#">GKOLED GKOWPG3 Series Full Cutoff Wall Pack Installation Guide</a></p> <p>Installation guide for the GKOLED GKOWPG3 Series Full Cutoff Wall Pack, covering mounting, wiring, and power/CCT adjustments.</p>   |
|   | <p><a href="#">GKOLED ANT-6-4T PIR Sensor Series: Features, Specifications, and Operation</a></p> <p>Explore the GKOLED ANT-6-4T PIR Sensor Series, a versatile motion and daylight sensor for outdoor lighting control. Learn about its specifications, corridor function, daylight sensor operation, and sensor coverage.</p>  |
|  | <p><a href="#">GKOLED GKOSLG2 Series Sports Light Installation Guide</a></p> <p>This installation guide provides detailed instructions for mounting and wiring the GKOLED GKOSLG2 Series Sports Light. It covers safety precautions, default and trunnion adaptor installation methods, aiming procedures using the laser sight and protractor, electrical connections, and an accessories list.</p>                 |
|  | <p><a href="#">GKOLED Full Cutoff Wall Pack Installation Guide</a></p> <p>This installation guide provides detailed instructions for mounting and wiring the GKOLED Full Cutoff Wall Pack, including safety warnings, junction box and conduit mounting procedures, photocell installation, troubleshooting tips, and wiring diagrams.</p>   |
|  | <p><a href="#">GKOLED GKOHBG8 Circular High Bay LED Light - Power &amp; CCT Selectable, 100W-230W</a></p> <p>Explore the GKOLED GKOHBG8 Series Circular High Bay LED lights. Featuring energy-efficient illumination, power &amp; CCT adjustability, durable construction, and versatile mounting options for commercial and industrial spaces. Includes performance data, dimensions, and ordering information.</p> |



Installation guide for GKOLED LED Dusk to Dawn lighting fixtures, covering wall and arm mounting procedures, safety warnings, and accessory lists. Includes details on parts and assembly.