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Kichler 16140SS27

Kichler 16140SS27 Transitional Mini All-Purpose Landscape LED Fixture User Manual

Model: 16140SS27 | Brand: Kichler

1. Product Overview

The Kichler 16140SS27 is a 12V integrated LED All-Purpose Recessed fixture designed for landscape applications. It delivers 100 lumens with a 2700K CCT (Correlated Color Temperature) and features a durable Stainless Steel finish. This fixture is fully sealed and encapsulated, offering robust performance and reliability.

Key features include three field-changeable beam optics (20°, 40° factory-installed, and 75°), allowing for versatile light distribution. Its design incorporates a removable spring clip and compression sleeve for seamless installation in various settings. The fixture is IP68 rated, ensuring protection against dust and water ingress, and includes built-in 6000kV surge protection to guard against power irregularities. It operates within a 9-15 volt range.



Figure 1: Kichler 16140SS27 Mini All-Purpose Landscape LED Fixture in Stainless Steel.

2. Installation Instructions

2.1 Safety Precautions

- Always disconnect power before installation or servicing.
- Consult a qualified electrician if you are unsure about wiring.
- Ensure all electrical connections comply with local codes and ordinances.
- Do not install the fixture in areas where it may be submerged in water for extended periods, despite its IP68 rating.
- Wear appropriate safety gear, including gloves and eye protection, during installation.

2.2 Components Included



Figure 2: Included components: LED light unit, housing, three beam optics (20°, 40°, 75°), and mounting clip.

- 1x LED Light Fixture (with 40° beam optic factory installed)
- 1x Removable Spring Clip
- 1x Compression Sleeve/Housing
- 2x Additional Beam Optics (20°, 75°)

2.3 Installation Steps

1. **Prepare the Installation Area:** Ensure the mounting surface is clean and clear. For recessed installation, create an appropriately sized opening. Refer to the dimensions diagram for precise measurements.

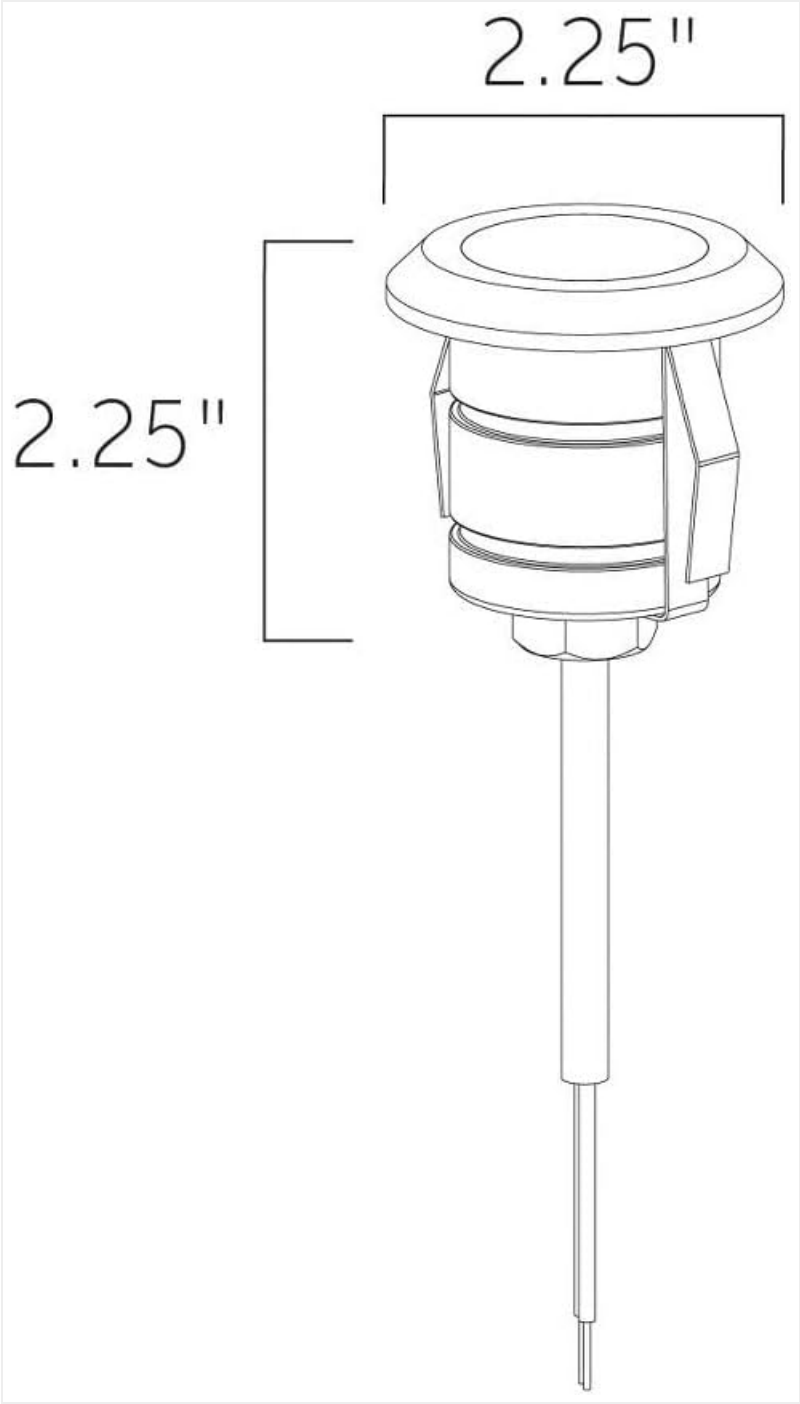


Figure 3: Dimensional drawing of the fixture, indicating a 2.25" x 2.25" footprint.

2. **Connect Wiring:** Connect the fixture's 12V wiring to your low-voltage landscape lighting system. Ensure proper polarity (positive to positive, negative to negative). Use waterproof connectors suitable for outdoor use.
3. **Install Compression Sleeve/Housing:** If using the compression sleeve for recessed mounting, insert it into the prepared opening.
4. **Insert Fixture:** Place the LED light fixture into the compression sleeve or mounting opening. The removable spring clip will secure the fixture in place.



Figure 4: Assembled fixture with mounting clips.

5. **Adjust Beam Optic (Optional):** The fixture comes with a 40° beam optic factory-installed. To change it, carefully remove the existing optic and insert one of the other included optics (20° or 75°) to achieve the desired light spread.
6. **Test Functionality:** Restore power and test the fixture to ensure it illuminates correctly.

3. Operation

The Kichler 16140SS27 LED fixture operates as part of your 12V landscape lighting system. Once properly installed and connected to a power source, the light will activate when power is supplied to the circuit.

- **Power On/Off:** Control the fixture's illumination via the main switch or timer connected to your landscape lighting transformer.
- **Beam Angle Adjustment:** The beam angle can be changed by replacing the installed optic with one of the other two included optics (20°, 40°, or 75°). This allows for customization of the light spread to suit specific landscape features.

4. Maintenance

Due to its fully sealed and IP68-rated design, the Kichler 16140SS27 requires minimal maintenance.

- **Cleaning:** Periodically clean the lens and exterior of the fixture with a soft, damp cloth to remove dirt, dust, or debris that may accumulate. Avoid using abrasive cleaners or solvents, as these can damage the finish or lens.
- **Inspection:** Occasionally inspect the wiring and connections for any signs of wear, damage, or corrosion. Ensure all connections remain secure.
- **No User-Serviceable Parts:** The integrated LED light source is not user-replaceable. Do not attempt to open or repair the sealed unit.

5. Troubleshooting

If your Kichler 16140SS27 fixture is not functioning as expected, refer to the following table for common issues and solutions:

Problem	Possible Cause	Solution
Fixture does not light up.	No power to the circuit. Loose or incorrect wiring. Faulty transformer.	Check power supply and circuit breaker. Verify all wiring connections are secure and correct. Test the transformer output voltage.
Light is dim or flickers.	Low voltage. Loose connection. Too many fixtures on one circuit.	Ensure voltage at the fixture is within 9-15V range. Check and tighten all wiring connections. Reduce the number of fixtures or upgrade transformer.
Water inside the fixture.	Improper installation. Damage to the sealed unit.	Ensure all seals are intact and installation instructions were followed. Contact customer support if the unit is damaged.

6. Product Specifications

Feature	Detail
Model Number	16140SS27
Brand	Kichler
Material	Steel, Glass
Finish	Stainless Steel
Light Source	Integrated LED
Wattage	2 watts
Voltage	12 volts (9-15V operating range)
Brightness	100 lumens
Light Color	Warm White (2700K CCT)

Feature	Detail
Beam Optics	20°, 40° (factory installed), 75° (field changeable)
Ingress Protection (IP) Rating	IP68 (Dust and Water Resistant)
Surge Protection	6000kV
Item Dimensions (L x W x H)	2.25" x 2.25" x 2.25"
Item Weight	15.04 ounces
Indoor/Outdoor Usage	Outdoor

7. Warranty Information

This Kichler product is covered by a **1-year manufacturer's limited warranty**. This warranty typically covers defects in materials and workmanship under normal use and service. Please retain your proof of purchase for warranty claims. For specific details regarding warranty terms, conditions, and limitations, please refer to the official Kichler warranty documentation or contact Kichler customer support.

8. Customer Support

If you have any questions, require technical assistance, or need to report an issue with your Kichler 16140SS27 LED fixture, please contact Kichler customer support.

- **Website:** Visit the official Kichler website for support resources, FAQs, and contact information.
- **Contact:** Refer to the packaging or Kichler's official website for the most current customer service phone numbers or email addresses.

When contacting support, please have your product model number (16140SS27) and proof of purchase readily available.

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