

BATHOLOGY

rediscover bathing



Spectrum 321

Steam Room / Shower LED Light

Installation and Operating Manual

Specifications

Fixture Type: Recessed Ceiling Downlight, LED

Dimming: With most incandescent, magnetic low voltage, and electronic low voltage wall box dimmers

Insulation Contact: IC Rated

Minimum Installation Height: 5-1/4"

Maximum Ceiling Thickness: 1-1/2"

Rough-in Cut-Out: 4-3/8"

Housing 4" Recessed: Aluminum, sealed for Air-Loc compliance

Housing Length: 12-1/2"

Housing Width: 4-3/4"

Housing Height: 4-3/8"

Testing: U.L. Listed, Suitable for Wet Locations

Labels: Union made

Trim: Metal, Electrostatic Powder Paint

Trim Profile: 1/8"

Trim Diameter: 5"

Lens: Etched Frosted Tempered Glass with Clear Center

LED Driver: 120VAC at 50 / 60Hz

LED Driver Input Power: 11.7W (+/-5%)

LED Driver Input Current: Max 0.10A

Starting Temperature: Minimum -25°C

LED Life: 50,000 hours

Color Temperature: 4100k

Color Rendering Index: 90 CRI minimum

Optical System: Computer-optimized reflector

Lumens: 600

Package Includes

- (1) Housing 4" Recessed, Aluminum, sealed for Air-Loc
- (1) LED optical reflector
- (1) Trim, Metal with frosted glass lens, 5" diameter, 1/8" profile
- (3) Retention clip tape strip
- (1) Silicone sealant, 1 ounce tube
- (1) 16" Mounting template
- (1) Installation template
- Installation and operating manual

Environmentally Friendly, Energy Efficient

- No harmful ultraviolet or infrared wavelengths.
- No lead or mercury, RoHS compliant.
- Comparable light output to 65W incandescent
- Shallow housing allows for fit in 2"x 6" construction.

Installation Notes

- **Warning:** For your safety read and understand instructions completely before starting. Before wiring to power supply, turn off electricity at the fuse or circuit breaker box.
- **Note:** Spectrum 321 is a recessed fixture designed to meet the latest NEC requirements and are listed in full compliance with the relevant UL standard(s). Before attempting installation of any recessed lighting fixture, check your local electrical building code. This code sets the wiring standards and installation requirements for your locality and should be understood before starting work.
- **Note:** Spectrum 321 is designed for direct contact with insulating materials that are approved for this application. The Spectrum 321 may also be used in non-insulated ceilings.
- **Note:** Compatible ceiling thickness: 1/2" to 1-1/2"

Important: It is recommended that all electrical equipment be tested prior to installation.

Important: The purple and grey wires MUST be used to dim the light fixture.

Installation

1. Consider the use of lighting within the bathing environment when determining the Spectrum 321 installation location.

Installation (Continued)

2. For Remodels: Skip to step 3.

For New Rooms: Mount 16" mounting template to ceiling joist to indicate desired Spectrum 321 location. Use notches to quickly align desired location to other fixtures or elements in the room (see figure 1).

3. Provide electrical service according to your electric code to the selected fixture installation area. Supply wire insulation must be rated for at least 194°F (90°C). **Note:** This fixture requires a flexible electrical supply.
4. Cut the required cut-out within the ceiling backer-board. **Note:** An installation template is provided for installations that do not require the 16" mounting template.
5. Apply ceiling waterproof material (tile, stone, etc.) around the fixture housing cut-out. **Note:** Finished hole diameter must not exceed 4-3/8" diameter. Ceiling materials must not exceed 1-1/2" thick.
6. Remove junction box cover. Remove the appropriate knock-outs to accommodate the type of electrical supply being used (see figure 2).
7. Remove fixture wire box cover and appropriate knock-out to connect flexible metal conduit to wiring box with proper connector (not supplied).
8. Connect supply wires to fixture wires with proper size wire nuts (not supplied), so as to cover all bare current-carrying conductors. Connect black fixture wire to black (hot) power supply wire, white fixture wire to white (neutral) power supply wire, green fixture wire to green (ground) wire. **Note:** The purple and grey wires must be used to dim the light fixture.
9. Place all wiring and connections back into wiring box and replace cover.

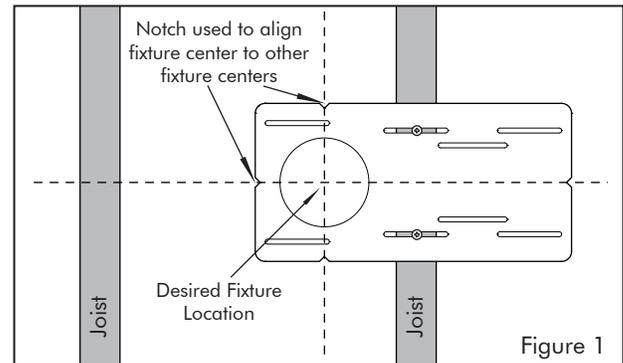


Figure 1

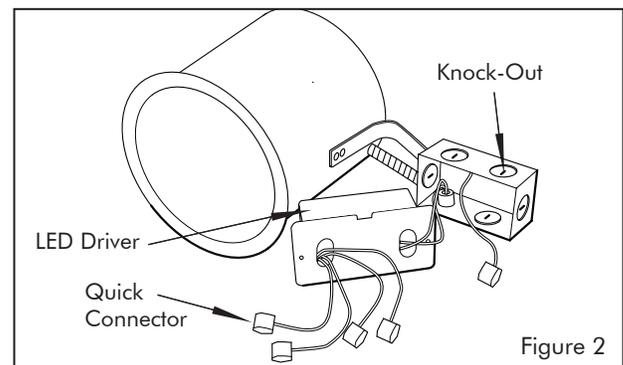


Figure 2

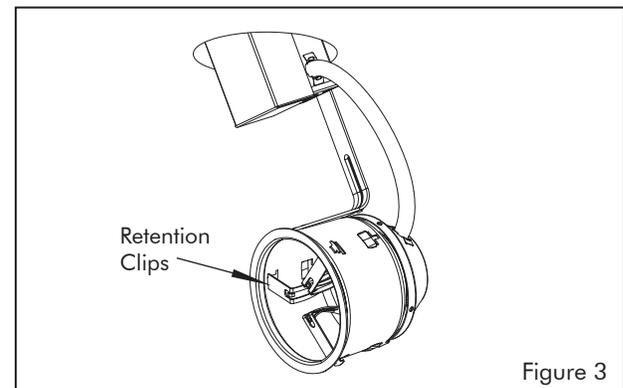


Figure 3

10. Press housing through ceiling opening so it is flush to the finish material (see figure 3).
11. While holding fixture firmly in place, push retention clips outward until each clip tab clicks into position. **Note:** To remove housing from ceiling, push tab on clip upward to disengage.

Installation (Continued)

12. To seal housing after confirming correct operation, apply supplied tape strips to completely cover each of the three retention clips and slots. Do not substitute with other materials (see figure 4).
13. Remove LED shield from housing.
14. Assemble optic assembly (see figure 5).
15. Insert optic assembly into housing, with mounting feet aligned with raised screws. Twist optic assembly clockwise so mounting feet engage screws. Twist firmly to lock in place (see figure 6).
16. Locate Spectrum 321 trim and lay a thin 1/8" bead of RTV silicone (provided) around the trim perimeter. **Note:** Install trim with clean hands or cloth to prevent staining.
17. With silicone applied, insert trim into fixture by lining up trim springs with the housing opening and pressing trim up towards the ceiling. **Note:** Avoid contact with optic housing when pushing in trim.
18. Allow silicone to cure for 24 hours before exposing product to any source of moisture.

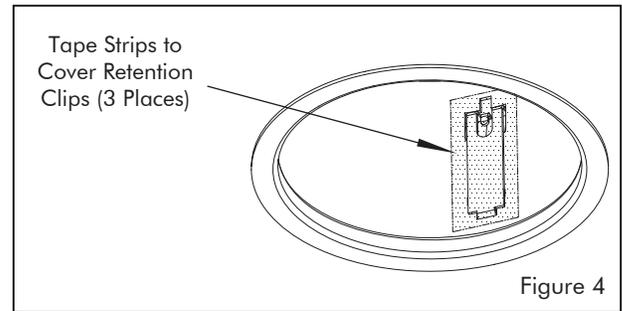


Figure 4

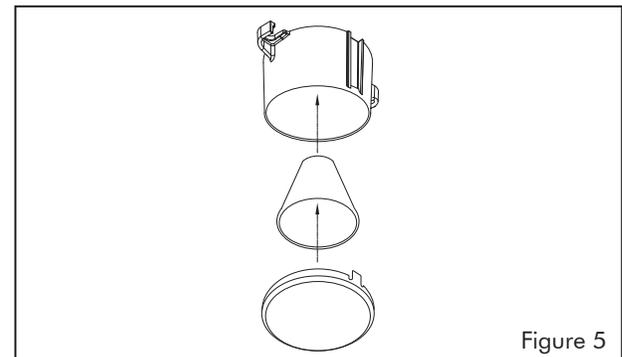


Figure 5

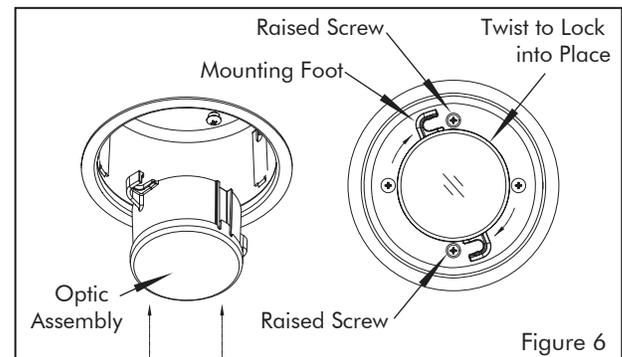


Figure 6

Product Care

For routine cleaning simply use a soft damp cloth and common household soap. Use the damp cloth to wipe clean, then dry. Clean product frequently to avoid calcium deposits on surfaces. Use only mild soap based detergents. **Never use abrasive cleaners, bleach, disinfectants or cleaning products containing alcohol, ammonia, hydrochloric or phosphoric acids** as they will damage the product's finish.

Replacement Parts

Contact your Bathology representative for Spectrum 321 LED Steam Room/In-Shower Light replacement parts.

Description	Part Number
Housing	Spectrum053
Trim, satin nickel	Spectrum054
Trim, white	Spectrum055
Optic Assembly	Spectrum074

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www.Bathology.com 800-957-2862

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