BATHOLOGY

rediscover bathing

Spectrum 441

Sauna White Light System

Installation and Operation Manual

Contents

by $B\,A\,T\,H\,O\,L\,O\,G\,Y$

Installation Considerations

Please read this manual in its entirely prior to installation

IMPORTANT: DO NOT HOT SWAP ANY ELECTRICAL COMPONENTS. This will void the warranty, and likely cause the product to fail.

CAUTION Carefully review all installation options and instructions before proceeding.

CAUTION For safety purposes, use safety goggles at all times.

⚠WARNING Do not hot swap any electrical components. This will void the warranty, and likely cause the product to fail. **Fully disconnect the system from its power source before swapping any electrical components.**

⚠WARNING Check for piping / electrical before cutting or drilling.

⚠WARNING Some electrical components are not waterproof.

⚠WARNING If there is any risk of uninsulated electrical connections in your wall / ceiling area, use insulating gloves.

⚠WARNING The splitters should be kept in an accessible location when installed. Only use the splitters provided when assembling the Brilliance light fixtures and components of this kit.

⚠WARNING The Spectrum 441 Sauna White Light System can be controlled by the use of a light switch provided by others. NEVER place a switch where it can be reached from a tub or shower.

! IMPORTANT All wiring must be done in accordance with National Electric Code and local building code.
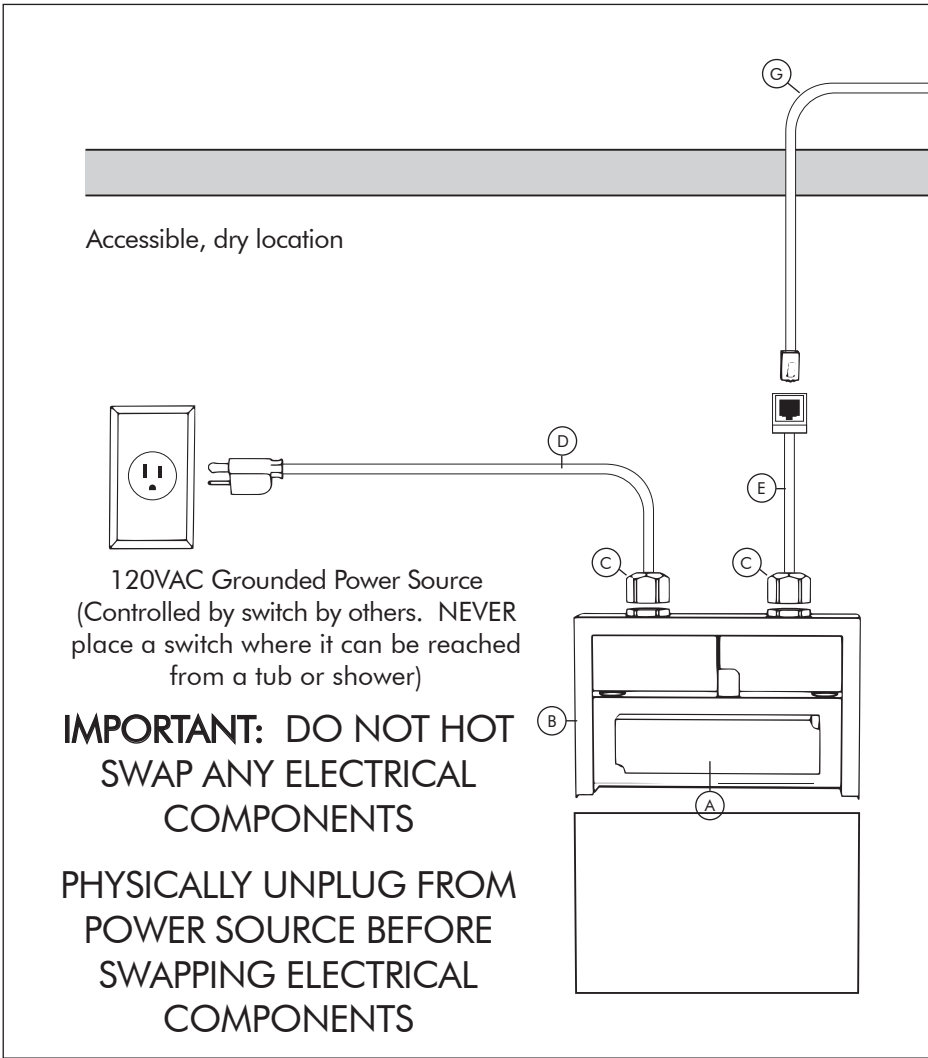
! IMPORTANT The Spectrum 441 White Light System should be installed by a licensed, qualified electrician.

! IMPORTANT Consider light placement carefully. The fixture(s) for this system should be placed to avoid direct contact with the bather's eyes.

! IMPORTANT Splitters should be kept in a dry accessible location when installed. Only use the splitters provided when assembly brilliance light fixtures and components of this kit.

! IMPORTANT Both "OUT" ports of a splitter must be used. An open splitter connection will prevent the lights from turning on. Fully disconnet the power supply of this system from its power source before changing any lights.
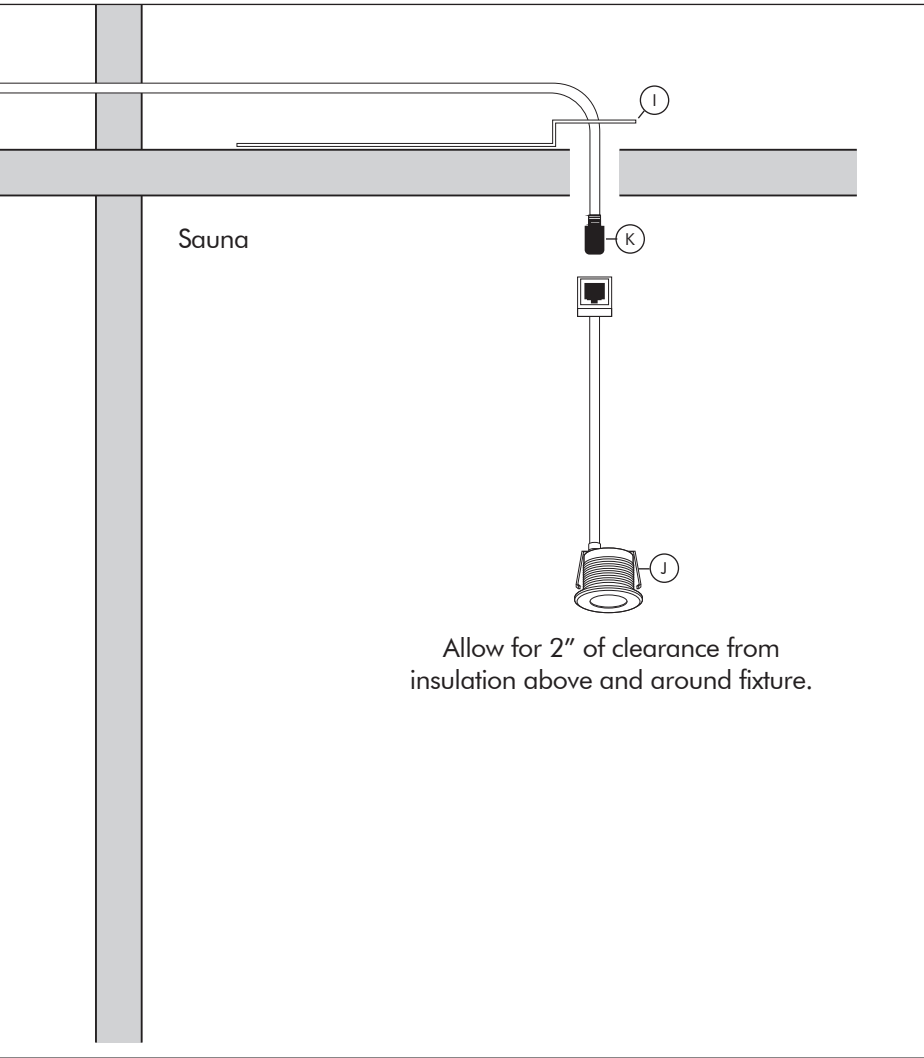
Installation

Accessible, dry location

120VAC Grounded Power Source
(Controlled by switch by others. NEVER
place a switch where it can be reached
from a tub or shower)

**IMPORTANT: DO NOT HOT
SWAP ANY ELECTRICAL
COMPONENTS**

PHYSICALLY UNPLUG FROM
POWER SOURCE BEFORE
SWAPPING ELECTRICAL
COMPONENTS

Package Includes

Item	Quantity	Description	Item	Quantity	Description
A	1	Driver		2	Enclosure Top Screws
	1	Screw		4	Screws / Anchors
	1	Locknut		4	Wire Nuts
B	1	Enclosure		1	Ground Connector
	1	Enclosure Top	C	2	Strain Relief Bushings

Sauna

I

K

J

Allow for 2" of clearance from
insulation above and around fixture.

Package Includes

Item	Quantity	Description	Item	Quantity	Description
D	1	Male NEMA Cable	H	0*	Splitter
E	1	Light Cable	I	1*	Mounting Template
F	0*	Cat6 Cable, 1'	J	1*	Brilliance Light Fixture
G	1*	Cat6 Cable, 25'	K	1*	Wire Fit Cap
				1	Silicone Sealant, 1 ounce

NOTE: Quantity with an * increases by one per each additional light purchased. Quantities shown
assume no additional lights purchased with Spectrum 441 system.

Spectrum 441

Installation (Continued)

IMPORTANT: DO NOT HOT SWAP ANY ELECTRICAL COMPONENTS. This will void the warranty, and likely cause the product to fail.

1. Install a standard single gang electrical box in an accessible, dry location.

2. Run a grounded 120VAC from the power supply to the accessible, dry location's electrical box.

3. Secure enclosure (B) to wall in an accessible, dry location using provided screws / anchors.

Accessible, dry location

120VAC Grounded Power Source

Accessible, dry location

D   E

C

Brown - Black
Blue - White
Ground - GND

D   E

Black - Black
Red - White

A

B   A

Typical Installation

A

Typical Installation

Accessible, dry location

120VAC Grounded Power Source
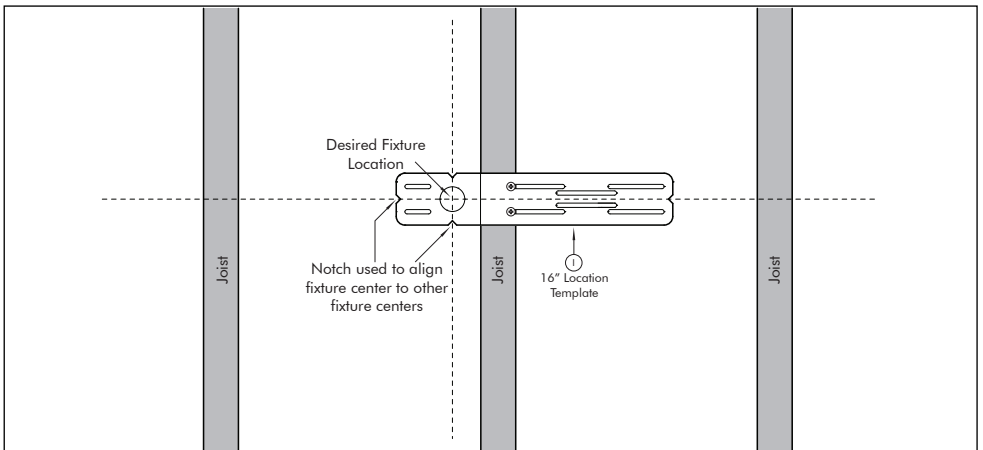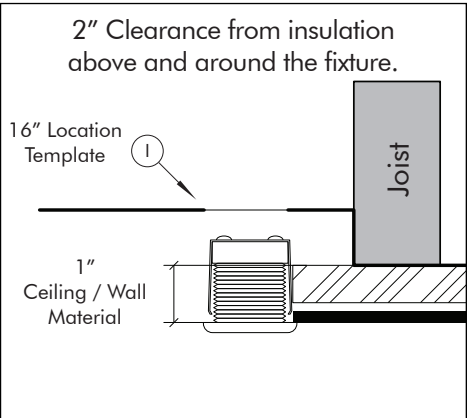
D

E

B

Typical Installation
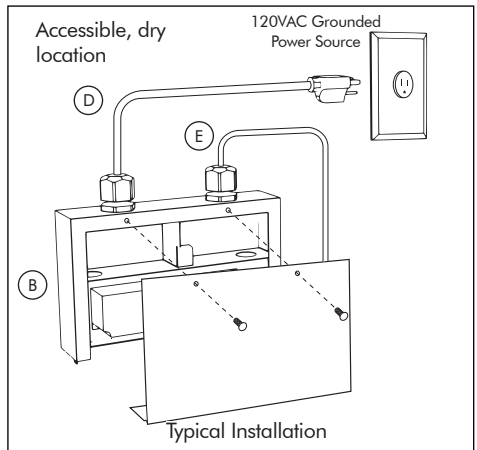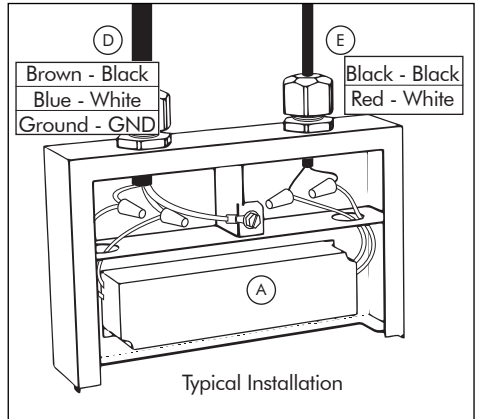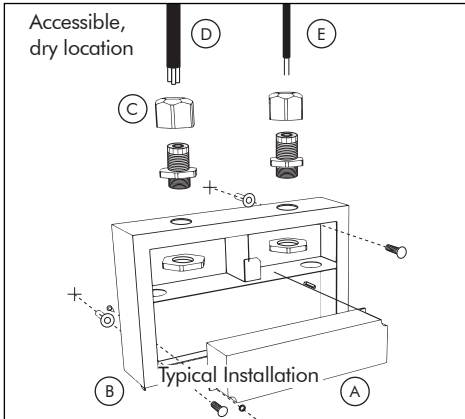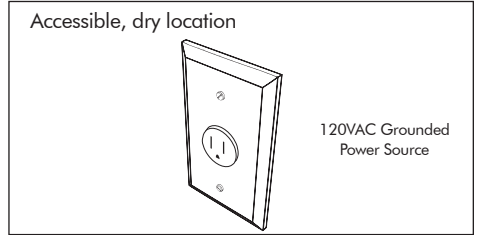
Installation (Continued)

4. Arrange lights per separate light sheet. Both "OUT" ports of a splitter (H) must be used if a splitter is used.

5. Determine desired brilliance light fixture (J) location. **Note:** Fixture should be placed to avoid direct contact with the bather's eyes. Allow for 2" clearance from insulation above and around the fixture.

SEE SEPARATE LIGHT SHEET

2" Clearance from insulation above and around the fixture.

16" Location Template

I

Joist

6. Optional: Mount 16" location template (I) to ceiling / wall framework. Use notches to quickly align desired location to other fixtures in the room.

1"
Ceiling / Wall Material

Joist

Joist

Joist

Desired Fixture Location

Notch used to align fixture center to other fixture centers

16" Location Template

I

Spectrum 441

Installation (Continued)

7. Make a 1-5/8" hole in desired location.

8. Mount brilliance light fixture (J) to ceiling through 1-5/8" cut-out. Allow for 2" clearance from insulation above and around the fixture.

9. Repeat steps 6 - 8 for each light.
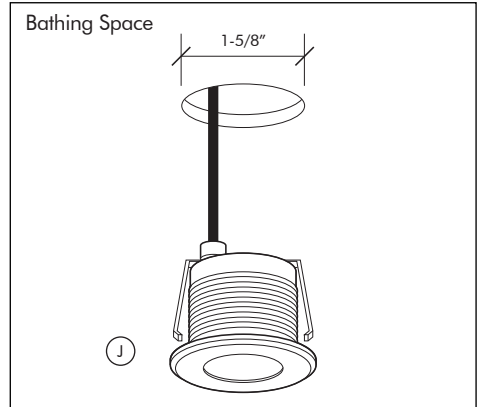
Product Care

For routine cleaning, simply use a soft damp cloth and common household soap. Use a damp cloth to wipe clean, then dry. Clean product frequently to avoid calcium deposits on surfaces. Use only mild soap. **Never use abrasive cleaners, bleach, disinfectants or cleaning products containing alcohol, ammonia, hydrochloric or phosphoric acids** as they may damage the product's finish. To clean electrical components, gently wipe down using a dry cloth or duster. **Never use a wet duster, water, or any other liquid to clean the device.**

Spectrum 441

Specifications

Driver

Operating Voltage: 120 VAC

Output Voltage: 700mA

Power Consumption: 35W

Nominal Amperage: 1.1 Amps

Dimensions: 5-7/8" W x 1-1/8" H x 1-5/8" D

Brilliance Fixture

Type: LED Cool White (5650-6300K)

Operating Voltage: 12VDC

Maximum Input Current: 700mA

LED: 1 x 3 Watt

Beam Angle: 35°

Trim Finish: Polished Stainless Steel

Housing Composition: First Grade Aluminum

Lens: Clear or Frosted, 1-7/32" Diameter

Lens Composition: Tempered Glass

Rough-in Cutout: 1-5/8" to 1-11/16"

Trim Dimension: 2-3/64" Diameter, 1/8" Profile

Body Dimensions: 1-15/32" Diameter x 1-7/8" Deep

Rating: IP68

Certifications: CE / RoHS / WEEE

Max Operating Temperature: 220°F when installed per instructions

Enclosure

Housing Composition: Steel, black powder coated finish

Dimensions: 7-3/4" W x 1-7/8" H x 4-7/8" D

Standards: NEMA 1

Listing: ETL, UL

Construction Template

Composition: Steel, Galvanized, Gauge 22

Dimensions: 15-1/8" L x 1/32" H x 3" D

Replacement Parts

Contact your Bathology representative for Spectrum 441 Sauna White Light System replacement parts.

800-957-2862

www.Bathology.com

Description	Part Number
Driver	Spectrum078
Enclosure	Spectrum079
Strain Relief Bushings	Spectrum077
Male NEMA Cable	Spectrum038
Cat6 Cable, 1'	Spectrum030
Cat6 Cable, 25'	Spectrum031
Splitter	Spectrum071
Mounting Template	Spectrum-68-Temp
Clear LED White Light	Spectrum065
Frosted LED White Light	Spectrum066

Notes

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