

SlimFit™ Case

Installation Guide

Thank you for purchasing the
SlimFit™ Case LED Fixture!

Support

If you have questions after reading this information or would like our advice on your project, call us before working with any product from i2Systems.

i2Systems Technical Support is available from 9 a.m. to 5 p.m. EST by phone at 1.860.567.0708 or email at support@i2systems.com.

A free copy of this installation guide is available online at www.i2systems.com along with the SlimFit Case Spec Sheet.

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Product information is subject to change without notice.

Introduction

Use these instructions to plan, install, and wire your new SlimFit Case. Proper installation will ensure this Fixture will provide superior display case lighting with minimal maintenance and electric consumption for many years.

WARNING: Only a qualified electrician should install i2Systems products.

While it may be tempting to skip sections, we assure you that reading this material will help you to avoid problems and speed up the installation process.

Identify all parts

- Familiarize yourself with the Fixture, Power Box, and associated accessories

Review the installation

- Ensure the SlimFit Case will fit properly into your Showcase Reflector

Install the fixture

- Using the pre-installed Captive Screws, install the SlimFit Case into your Showcase Reflector

Wire the fixture

- Use the wiring diagram that best describes your installation criteria

Electrical Warnings

Failure to follow these warnings could cause injury or death, damage the Fixture, and/or void the warranty.

- Read and understand the Fixture installation instructions and safety labels before you begin your installation.
- Turn off the power before installing or servicing the Fixture and/or connecting or disconnecting individual units.
- Follow all national and local electrical and construction codes and regulations.
- Avoid all temptation to disassemble the Fixture and its Power Box because there are no serviceable parts and tampering with it could cause shock.
- Use only SlimFit Case Compatible Power Box and/or Power Supplies.
- Operate the Fixture within the specified temperature and environmental ranges.
- Avoid making live connections, also known as hot swapping.

Installation & Relamping

Be sure not to touch the LEDs and their associated circuitry when installing and/or relamping.

Certifications



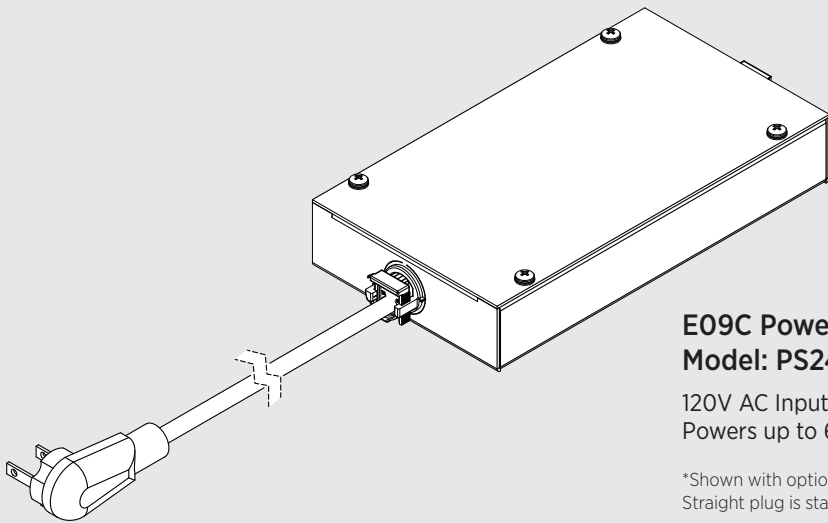
SlimFit Case Specifications



Watts:	6W per 10"
Input Voltage:	24V DC
Operating Temp:	-20°C to 30°C
Max Case Temp (Tc):	50°C
Humidity:	0 to 90% Non-Condensing

Use the following information to ensure that you have the proper components in place before you start the installation. Call i2Systems directly at 1.860.567.0708 or contact your local distributor if you have questions or believe components are missing from your product package.

Power Box for the SlimFit Case



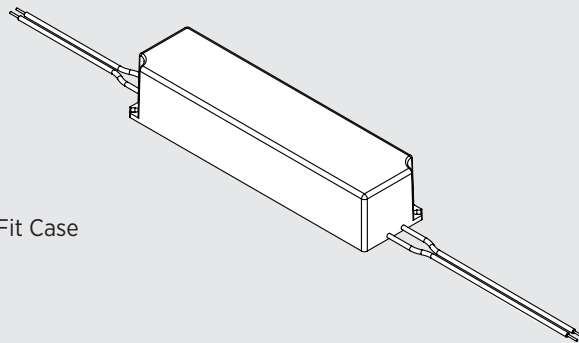
E09C Power Box w/ Molded AC Plug*
Model: PS24V45W-E09SC

120V AC Input
Powers up to 60 inches of SlimFit Case

*Shown with optional right angle connector.
Straight plug is standard.

OEM Power Supply
Model: PS24V60W-01

120-240V AC Input
Powers up to 60 inches of SlimFit Case



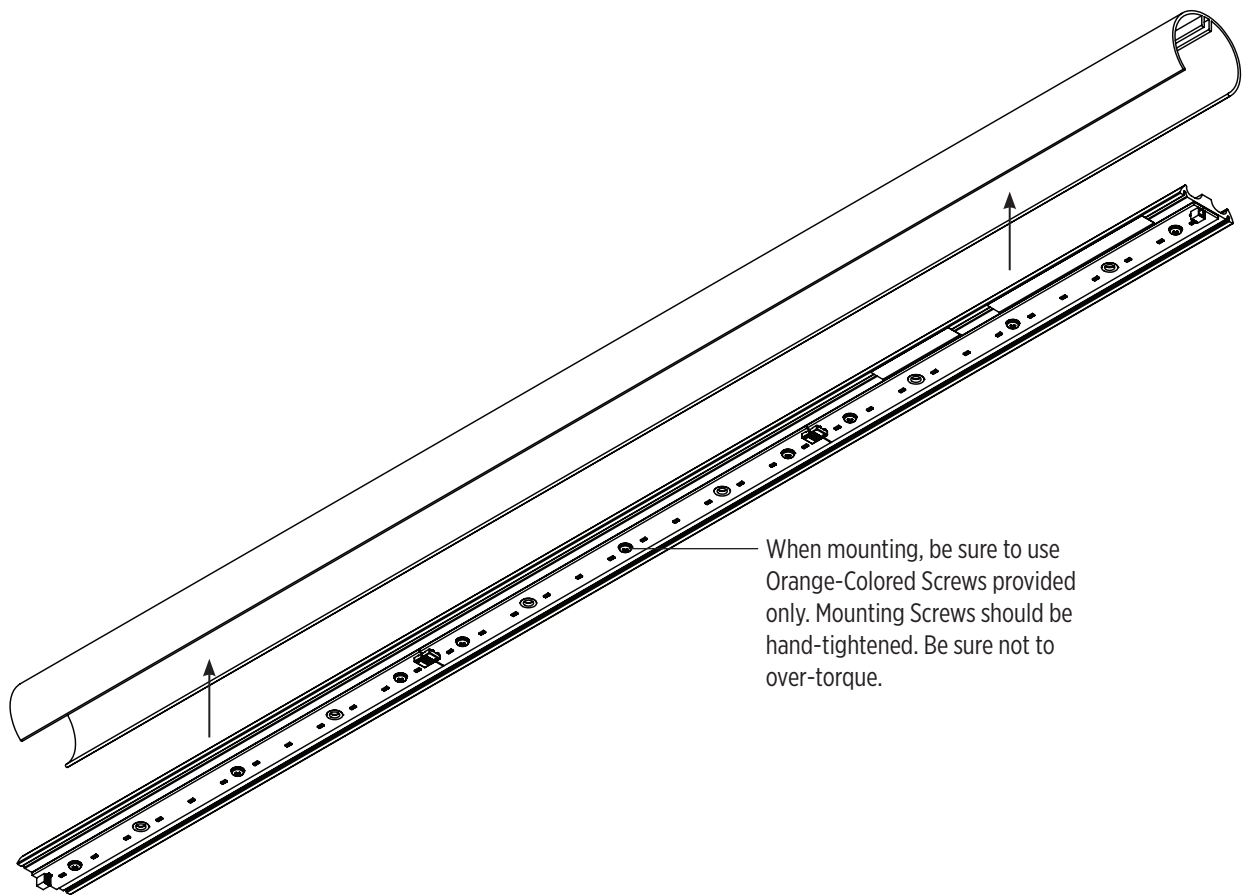
Fixture Installation

The SlimFit Case is designed to mount into standard Showcase Reflectors using onboard captive fasteners. The fasteners are designed to self-tap into an aluminum channel, however may also be used in other materials provided firm contact is established. When mounting to wood, drill 1/16" pilot holes. When mounting to aluminum, drill 7/64" pilot holes.

The SlimFit Case is suitable for dry locations only and can be used for Wall, Under-Cabinet, or Cabinet Use Only. Fixtures intended for use in Canada are Suitable for Surface Mounting Only Inside a Cabinet.

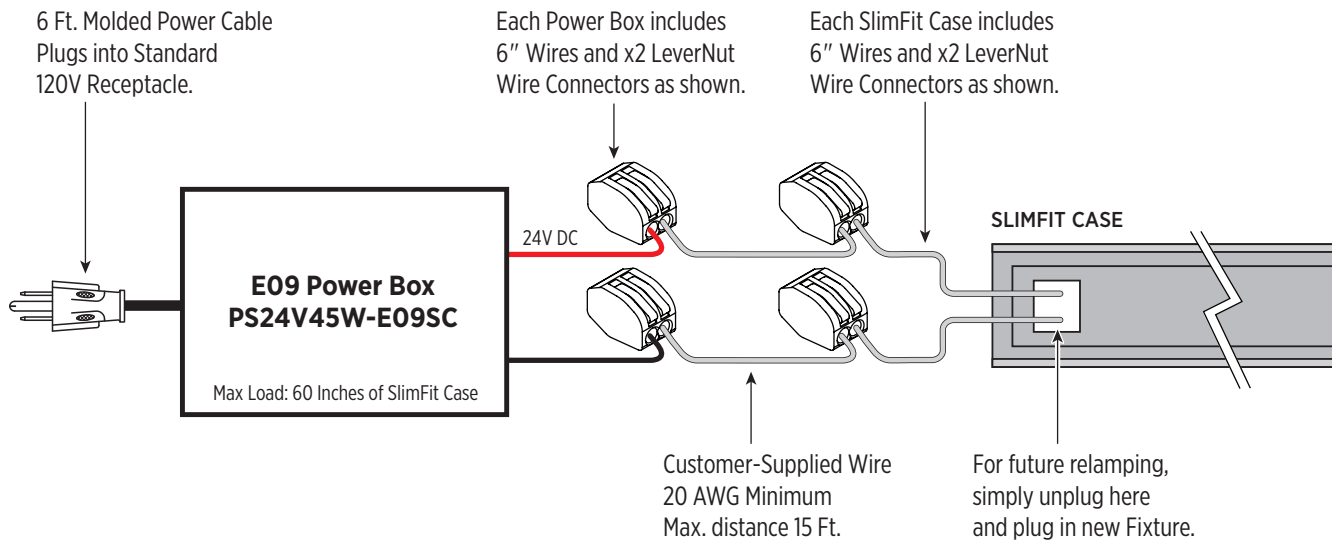
Be sure the cabinet volume includes 12 inches by 12 inches of air volume per linear foot of SlimFit Case.

Installing into a Showcase Channel

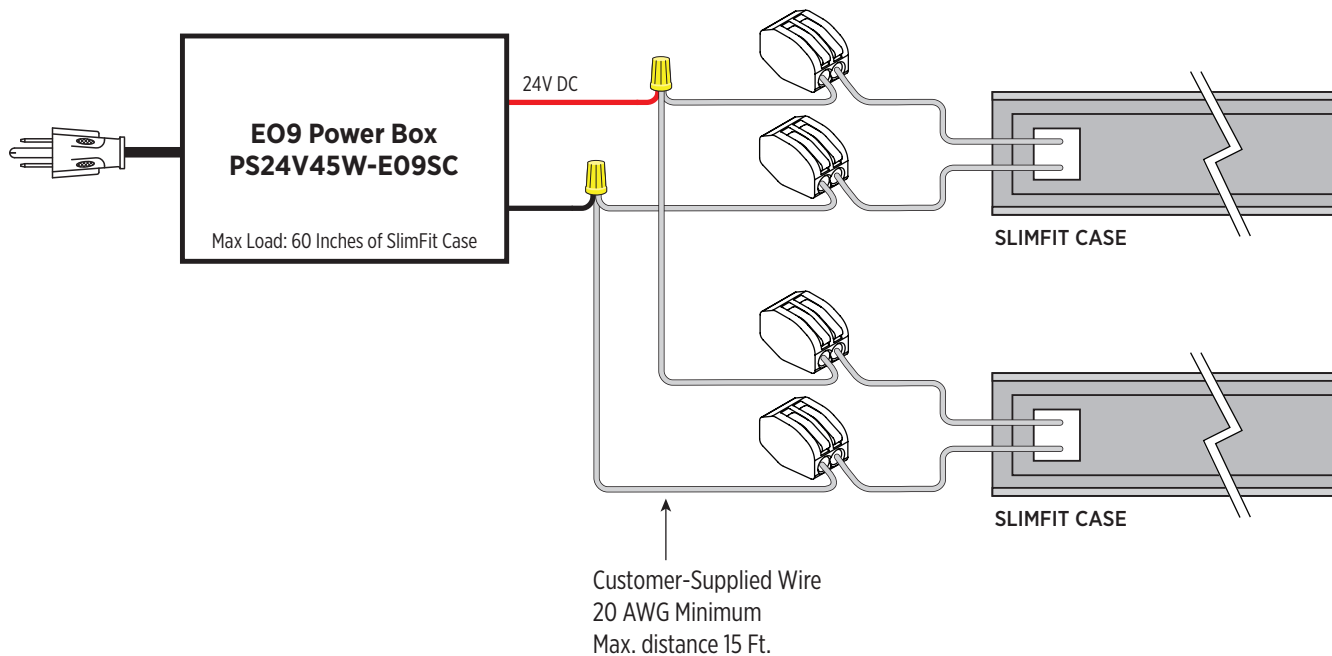


Wiring

Using One SlimFit Case per Power Box

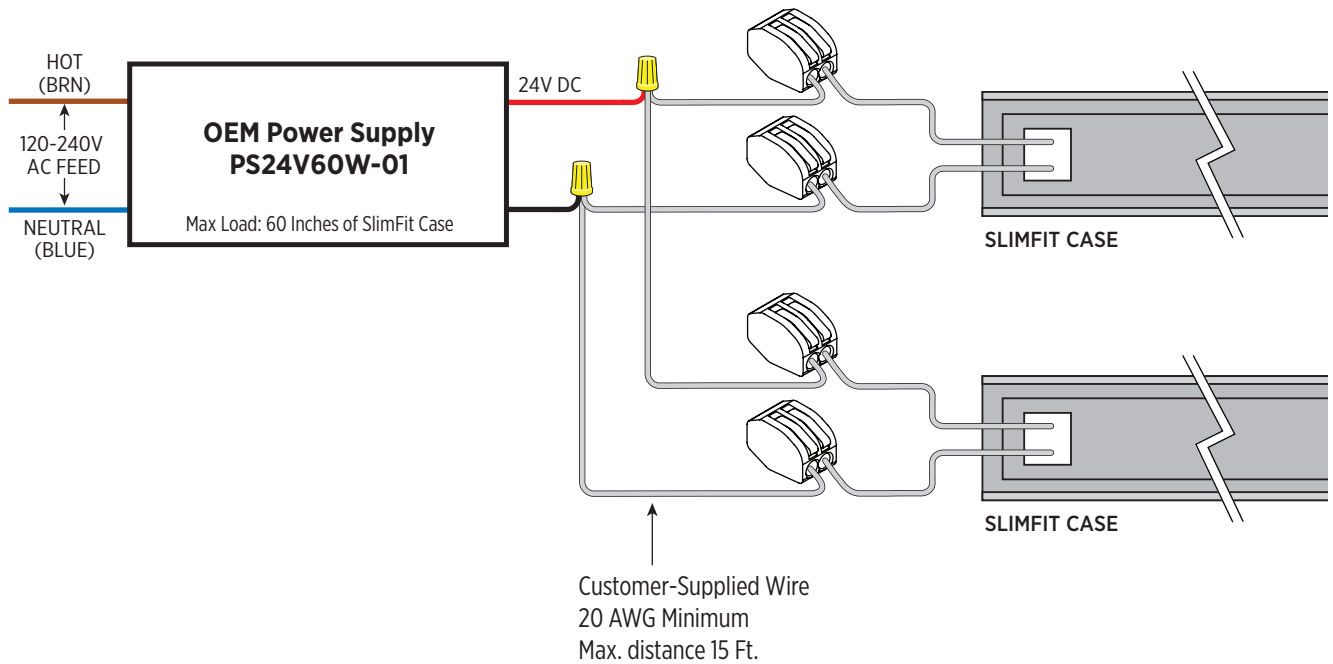


Using More than One SlimFit Case per Power Box



Wiring

Using OEM Power Supply



Note: Conductors of Low Voltage Lighting Systems concealed or extended through a wall, floor, or ceiling shall be installed using any of the wiring methods specified in NEC (National Electrical Code) Article 411.4 Chapter 3 (conduit) OR shall be installed in accordance with NEC Article 725.130.

Frequently Asked Questions

Q: Can I connect the SlimFit Case directly to line voltage?

A: No. Connecting the SlimFit Case directly to line voltage or any voltage higher than 24V DC will damage the Fixture and void the warranty. Use an i2Systems Power Box or Power Supply to convert line voltage to the proper voltage.

Q: Can I load the Power Box to the full wattage specified (i.e., 45W)?

A: Yes. Both the PS24V45W-E09SC Power Box and PS24V60W-01 Power Supply are rated for up to 60 inches of SlimFit Case. This Maximum Rating already takes into account proper derating of the Power Supply.

Q: Can I use a third party low voltage Power Supply?

A: While it is possible to use a third party 24V DC Power Source, the SlimFit Case's UL listing requires use of one of the Power Sources specified in this guide.

Q: Does i2Systems offer Showcase Reflectors?

A: Yes. Contact us for more information by phone at 1.860.567.0708 or email at sales@i2systems.com.

Limited Warranty

1.1 Limited Warranty. Products are warranted to be free from defects in material and workmanship and to conform substantially to i2Systems' then-current (as of the date of Product shipment) user documentation and specifications for a period of one (1) year from the date of invoice (the "Warranty Period"), provided the Products are used under those operating conditions (including electrical values and environmental conditions) described in i2Systems' then-current user documentation and specifications for such Products. i2Systems shall not be liable under the foregoing warranty if Buyer fails to provide i2Systems with notice of the alleged defect during the Warranty Period.

1.2 Remedies. In the event a Product does not comply with the foregoing express warranty, Buyer may notify i2Systems within the Warranty Period and if so notified i2Systems will, at i2Systems' option: (a) provide a replacement for such Product or defective component or part thereof that has caused the warranty claim (such Product or defective component or part thereof that has caused the warranty claim, the "Warranty Item"); or (b) refund to Buyer the lesser of (1) the amount Buyer paid for the Warranty Item, or (2) Buyer's cost to replace the Warranty Item, in each case as determined by i2Systems in its sole and absolute discretion following receipt and inspection by i2Systems of the Warranty Item. For the avoidance of doubt, "provided a replacement for such Product or defective component or part thereof" expressly does not include any removal or reinstallation costs or expenses, including without limitation labor costs or expenses. All exchanged Warranty Items shall become the property of i2Systems. i2Systems may use either new or remanufactured, reconditioned or refurbished components or parts (if in like-new condition), or functionally equivalent components or parts, in the furnishing of replacement(s) for any Warranty Item. i2Systems' warranty flows only to Buyer of the products. If i2Systems chooses to replace the Product and is not able to do so because it has been discontinued or is not available, i2Systems may replace it with a comparable product.

1.3 Limitations. The foregoing warranty is limited, and does not extend to, and i2Systems shall incur no liability for: (a) lumen maintenance of the Products; (b) color shift of light output of the Products; (c) degradation or discoloration of the Product housing(s); (d) mechanical or cosmetic deterioration of the Products associated with normal wear and tear. For clarity and without limiting the generality of the foregoing, the foregoing warranty does not apply if a Product's light module continuously generates light at any intensity, regardless of whether such intensity has decreased since the date of first use of such Product [(viz., warranty coverage only applies in the event that such light module generates no light or generates light intermittently)]. This limited warranty only applies when the product has been properly wired and installed and operated within the electrical values, operating range and environmental conditions provided in the Specifications. This warranty does not apply to damage or failure to perform arising as a result of any Acts of God or from any abuse, misuse, abnormal use or use in violation of any applicable standard, code, or instructions for use including those contained in the latest National Electrical Code, the Standards for Safety of Underwriters Laboratory, Inc., the Standards for the American National Standards Institute or, in Canada, the Canadian Standards Association. This Warranty shall become void in the event any repairs or alternations not duly authorized by i2Systems in writing are made to the Product by any person.

Buyer shall convey with each Product distributed to end users this LIMITED WARRANTY, and if i2Systems determines that the appropriate remedy for a defective product is refund of Buyer's purchase price, Buyer shall refund to the end user (or arrange for the refund to the end user of) the full purchase price paid by the end user for such defective Product.

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1.4 Exclusions; Buyer Indemnification. The foregoing warranty shall be void with respect to defective conditions or non-conformities of the Products resulting from: (a) modifications of Products not authorized by i2Systems; (b) misuse, neglect, accident or abuse, improper wiring, repairing, splicing, alteration, installation, storage or maintenance; (c) use in a manner not in accordance with i2Systems' published operating specifications or instructions for the applicable Products; (d) Product defects caused by Buyer's combination of the Products with equipment provided or manufactured by third party vendors (unless i2Systems is advised, in writing, of such proposed combination and i2Systems thereafter consents in writing to such combination); (e) breach by Buyer or its employees, partners to whom Buyer sold Product, contractors, representatives, agents or affiliates, (collectively, "Buyer Parties") of any obligation herein; or (f) negligent use, application, installation or implementation of Product by any of the Buyer Parties. Buyer shall indemnify, defend and hold harmless i2Systems and its officers, directors, agents, employees, affiliates, representatives, successors, and assigns from and against all losses, liabilities, costs, and expenses (including, without limitation, attorneys' fees) arising out of or in connection with claims by third parties for any loss, damage, or injury (including death) caused by or alleged to be caused by the circumstances described in this Section 5.4. Buyer shall not join, settle or otherwise attempt to affect or dispose of any such claim without i2Systems' written consent.

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