

Lithonia Lighting 2GT8 2 U316 A12 MVOLT GEB10IS

Lithonia Lighting Fluorescent Troffer Instruction Manual

MODEL: 2GT8 2 U316 A12 MVOLT GEB10IS



Image: The Lithonia Lighting 2GT8 2 U316 A12 MVOLT GEB10IS 2-Light Fluorescent General Purpose Troffer, shown from a slightly angled perspective, highlighting its white finish and patterned acrylic lens.

Introduction

This manual provides essential instructions for the safe installation, operation, and maintenance of your Lithonia Lighting 2GT8 2 U316 A12 MVOLT GEB10IS Fluorescent Troffer. Please read all instructions carefully before proceeding with installation or use. Retain this manual for future reference.

Safety Information

- Always disconnect power at the circuit breaker before installing, servicing, or cleaning the fixture.
- Installation should be performed by a qualified electrician in accordance with all applicable national and local electrical codes.
- Ensure the fixture is properly grounded to avoid potential electrical shock.
- Do not install near combustible materials.
- Wear appropriate personal protective equipment (PPE) during installation and maintenance.

Setup

Installation

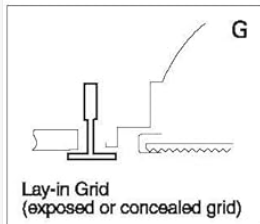
The Lithonia Lighting 2GT8 troffer is designed for recessed installation in grid ceilings. Follow these general steps:

1. **Prepare the Ceiling Opening:** Ensure the ceiling grid opening matches the fixture dimensions (24 x 24 inches).
2. **Wiring:** Route electrical supply wires to the fixture location. Connect the fixture's wiring to the building's electrical system according to local codes. Ensure proper grounding.
3. **Mounting:** Carefully lift the troffer into the ceiling grid opening. The fixture is designed for lay-in grid installation. Secure the fixture to the grid using appropriate clips or hangers as required by local codes.
4. **Bulb Installation:** Install two (2) U31W T8 fluorescent bulbs (not included) into the fixture's sockets. Ensure bulbs are seated correctly.
5. **Lens Installation:** Close and secure the hinged steel door with the acrylic patterned lens.

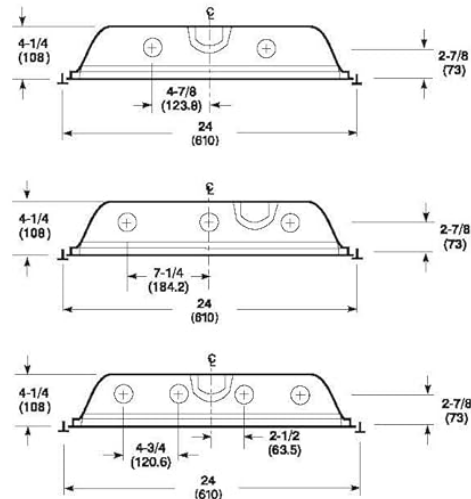
Refer to the mounting data and dimensions diagram below for detailed measurements and installation guidance.

2GT8 2'x2' NY Static T8 Troffer

MOUNTING DATA



DIMENSIONS



2GT8-2x2-NY.indd

FLUORESCENT: One Lithonia Way Conyers, GA 30012 Phone: 800-858-7763 Fax: 770-929-8789 www.lithonia.com © 2008-2014 Acuity Brands Lighting, Inc. All rights reserved. Rev. 07/09/2014

Image: A technical diagram illustrating the mounting data and dimensions of the Lithonia Lighting 2GT8 troffer. It shows various measurements in inches and millimeters for the fixture's depth, width, and mounting points, along with a small diagram of a lay-in grid installation.

Operating

Basic Operation

Once installed and wired correctly, the Lithonia Lighting 2GT8 troffer operates by a standard wall switch

connected to the electrical circuit. Ensure the correct T8 fluorescent bulbs are installed before restoring power.

Bulb Replacement

To replace bulbs:

1. **Disconnect Power:** Turn off power to the fixture at the circuit breaker.
2. **Open Lens:** Unlatch and open the hinged steel door to access the bulbs.
3. **Remove Old Bulbs:** Carefully twist and remove the old T8 fluorescent bulbs.
4. **Install New Bulbs:** Insert new U31W T8 fluorescent bulbs, ensuring they are securely seated in the sockets.
5. **Close Lens:** Close and secure the hinged steel door.
6. **Restore Power:** Turn power back on at the circuit breaker.

Maintenance

Cleaning

Regular cleaning helps maintain optimal light output and appearance.

- **Disconnect Power:** Always turn off power before cleaning.
- **Clean Exterior:** Wipe the exterior surfaces with a soft, damp cloth. Avoid abrasive cleaners.
- **Clean Lens:** The acrylic patterned lens can be cleaned with a mild, non-abrasive cleaner specifically designed for plastics. Open the hinged door for easier access.
- Ensure all parts are dry before restoring power.

Lens Replacement

The hinged steel door allows for easy replacement of the acrylic patterned lens if it becomes damaged or discolored. Contact Lithonia Lighting customer support for replacement lens options.

Troubleshooting

If you encounter issues with your fluorescent troffer, refer to the following common problems and solutions:

- **Light Does Not Turn On:**
 - Check if the circuit breaker is tripped.
 - Verify that bulbs are correctly installed and not faulty.
 - Ensure all wiring connections are secure.
- **Light Flickers:**
 - Replace old or faulty fluorescent bulbs.
 - Check for loose bulb connections.
 - A failing ballast may cause flickering; consult a qualified electrician for inspection.
- **Reduced Light Output:**
 - Clean the lens and bulbs to remove dust and debris.
 - Bulbs may be nearing the end of their lifespan and require replacement.

For persistent issues, contact customer support or a qualified electrician.

Specifications

Key specifications for the Lithonia Lighting 2GT8 2 U316 A12 MVOLT GEB10IS Fluorescent Troffer:

Feature	Detail
Brand	Lithonia Lighting
Model Number	2GT8 2 U316 A12 MVOLT GEB10IS
Light Source Type	Fluorescent
Number of Light Sources	2
Bulb Type	U31W T8 (not included)
Voltage	MVOLT (Multi-Voltage)
Wattage	32 watts (per bulb, total 64W)
Brightness	5600 Lumens (total)
Material	Steel (housing), Acrylic (lens)
Finish Type	Gloss White
Installation Type	Recessed (Lay-in Grid)
Product Dimensions	24 x 24 x 4.25 inches
Item Weight	11.5 pounds
Indoor/Outdoor Usage	Indoor
Special Feature	Energy Efficient

For additional technical details, refer to the product datasheet below.



FEATURES & SPECIFICATIONS

INTENDED USE — Specification-grade static T8 luminaires provide general illumination for recessed applications. **Certain airborne contaminants can diminish integrity of acrylic.** [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

CONSTRUCTION — Standard door is flush steel with mitered appearance — completely frameshielding. Corners screwed together for rigidity, easy lens replacement. Urethane foam gasket eliminates light leaks between door frame and housing. Integral T-bar safety clips hold T-bar securely; no fasteners required to install.

Finish: Five-stage iron phosphate pre-treatment ensures superior paint adhesion. Painted parts finished with high-gloss, baked white enamel.

ELECTRICAL — Thermally protected, resetting, Class P, HPF, non-PCB, UL listed ballast is standard. Energy-saving electronic ballasts are sound rated A. Luminaire is suitable for damp locations, AWM, TTN, THHN, wire used throughout, rated for required temperature.

LISTINGS — UL Listed.

WARRANTY — 1-year limited warranty. Complete warranty terms located at www.aquitybrands.com/customerresources/terms_and_conditions.aspx

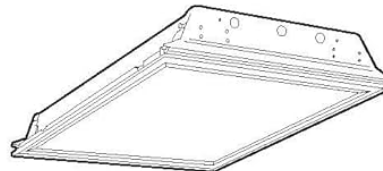
Note: Specifications subject to change without notice.

Catalog Number
Notes
Type



General Purpose T8 Troffer

2GT8 2'X2' NY



2, 3 or 4 Lamps
Compact Fluorescent,
Narrow U-Lamps,
Straight Lamps

Specifications

Length: 24 (609)

Width: 24 (609)

Depth: 4-1/4 (114)

Weight: 15 lbs (6.8 kg)

All dimensions are inches (millimeters) unless otherwise indicated.

ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: 2GT8 2 U316 A12 MVOLT GEB10IS NY3

2GT8					A12		
Series	Trim type	Number of lamps	Lamp type	Door frame	Diffuser type	Voltage	Options
2GT8	2' wide	(blank) Grid	2 17 17W T8 (24") 3 U31 31W T8 (24") 4' U316 31W T8 (6' leg, 24") Not: C140 40W T15 (24") included.	(blank) Flush steel, white	A12 #12 pattern acrylic	MVOLT ²	T/4 One 4-lamp ballast T/3 One 3-lamp ballast GEB10IS Electronic ballast, ≤10% THD, instant start EL Emergency battery pack (nominal 300 lumens) PWS90N1836 6' prewire, 3/8" dia., 18-gauge, 3 wires LP Lamped; specify lamp type and color NY3 New York City, Local 3

Accessories: Order as separate catalog number.

DGA22 Drywall grid adaptor

Notes

1. 17W T8 only.

2. MVOLT standard for 120V and 277V applications.

FLUORESCENT

2GT8-2x2-NY

Image: A section of the Lithonia Lighting 2GT8 product datasheet, detailing features, specifications, and ordering information for various configurations of the 2GT8 series troffer, including the 2GT8 2 U316 A12 MVOLT GEB10IS model.

Warranty Information

This Lithonia Lighting product is covered by a **3-year limited warranty**. This warranty covers defects in materials and workmanship under normal use. For specific terms and conditions, please refer to the official warranty documentation provided with your purchase or visit the Lithonia Lighting website.

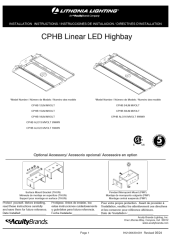
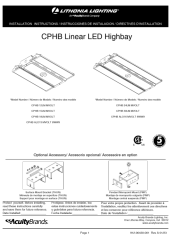
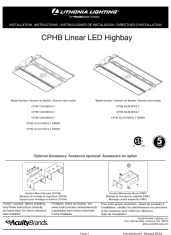

Customer Support

For technical assistance, replacement parts, or warranty claims, please contact Lithonia Lighting customer support.

- **Manufacturer:** Acuity Brands Lighting Inc.
- **Online Support:** Visit the official [Lithonia Lighting Store](#) for more information and resources.

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Related Documents - 2GT8 2 U316 A12 MVOLT GEB10IS

	<p>Lithonia Lighting CPHB Linear LED Highbay Installation Instructions</p> <p>Comprehensive installation guide for the Lithonia Lighting CPHB Linear LED Highbay, detailing safety precautions, model specifications, mounting procedures, wiring, and troubleshooting. Includes optional accessories and warranty information.</p>
	<p>Lithonia Lighting CPHB Linear LED Highbay Installation Guide</p> <p>This document provides comprehensive installation instructions, safety guidelines, and troubleshooting tips for the Lithonia Lighting CPHB Linear LED Highbay fixtures. It covers various mounting methods, wiring, and product specifications.</p>
	<p>CPHB Linear LED Highbay Installation Guide - Lithonia Lighting</p> <p>Detailed installation instructions, safety warnings, and troubleshooting guide for the Lithonia Lighting CPHB Linear LED Highbay fixture. Includes model numbers, mounting options, wiring, and warranty information.</p>
	<p>Lithonia Lighting Dusk to Dawn LED Area Light Installation Instructions</p> <p>Comprehensive installation instructions for the Lithonia Lighting Dusk to Dawn LED Area Light, model BGR ALO SSW2 MVOLT PER. Includes safety precautions, wiring diagrams, mounting instructions for surface and arm mounting, troubleshooting, and warranty information.</p>



Installation Instructions
Lithonia Lighting Clean Room Troffer
Grid & Mount Bar Installation, Maintenance



Lithonia Lighting Clean Room Troffer SRTL: Installation and Maintenance Guide

Comprehensive installation and maintenance instructions for the Lithonia Lighting Clean Room Troffer SRTL series, covering grid and sheet rock mounting, safety precautions, and servicing.



[Lithonia Lighting UC, 2UC Cabinet Light Installation and Troubleshooting Guide](#)

This document provides installation instructions, safety information, and troubleshooting tips for Lithonia Lighting's UC and 2UC series fluorescent cabinet lights. It covers unpacking, tools required, preparation, installation steps, wiring, lamp installation, and common issues.