EnviroLite®

| EVTR24DI48DTWP | 2X4 LED CENTER BASKET INDIRECT/DIRECT WIZ TROFFER |

Project _____ Date _____

Prepared By _____

Comments _____

OVERVIEW

Envirolite's 2x4 volumetric troffer offers an energy-saving, LED fixture, suitable for insulated ceilings with WiZ® integrated, wireless controls. Upgrade your space with intelligent controls without the need for hard-wiring each troffer with 0-10 volt control wires or dimming switches!

Serviceable from the room side for ease of maintenance. This drop-in, grid fixture uses only 35 watts of power, but delivers 4800 lumens of light.
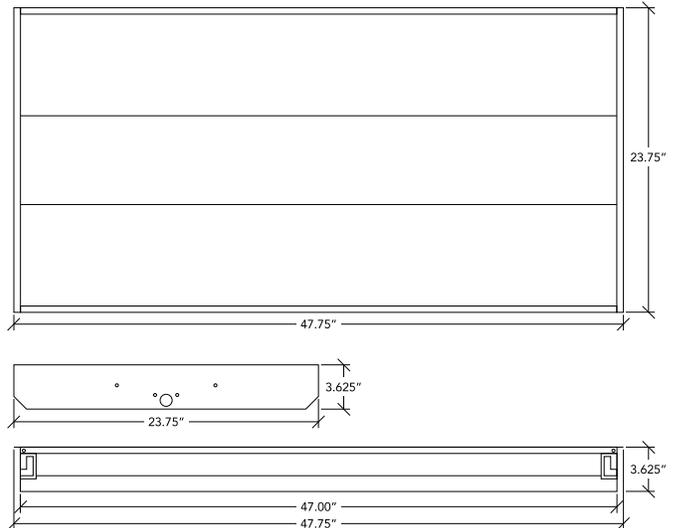
APPLICATIONS

• Conference rooms, Classrooms, Hallways, Foyers, Restrooms, Plenums with restricted space
• Offices, Schools and Universities
• Healthcare facilities and Hospitals

BASIC FEATURES & INFO

• White Light color selection 2700K ~ 6400K.
• Operated on 120V or 277V & Low stand-by power.
• No need for 0-10V dimming wires or wall switch.
• PMMA lens will not yellow over time.
• Produces 4800 lm by using only 35.5W of power.
• Easy access to electrical components from below the ceiling.
• Dimming via WiZ app. See page 2 for more details.

TECHNICAL SPECIFICATIONS

Dimensions (LxWxH)	47.75" x 23.75" x 3.625"
Weight	11 lbs.
Voltage	AC 120 – 277v
Lumens	4800 lm
Wattage	35.5 W
Efficacy	135 lm/W
CCT	2700~6400K
CRI	83
LED Beam Angle	120°
Expected Diode Life	50,000 Hours
Max. Ambient Temp.	113°F
Min. Starting Temp.	0° F
Power Factor	0.90
THD	<14%

CERTIFICATIONS

• UL listed for damp locations
• DLC Premium listed
• FCC Part15, subpart B listed

WiZ TECHNOLOGY

- Each WiZ light has its own Wi-Fi chip for smarter automation and is directly, constantly, and reliably connected to the cloud for up-to-date preferences and settings.
- A powerful multi-user system allows for three different access right tiers:
  - Owners have full access to control lights and settings
  - Guests can control lights but not settings
  - Temporary Guests have the same permissions as Guests, but their access expires after a predetermined period of time
- WiZ provides the flexibility of 64,000 shades of white and preset well-being modes. The right light temperature and intensity allows users to comfortably focus, whether they are looking at an electronic device's screen or printed material.
- WiZ lights directly connect to your Internet router over 2.4GHz Wi-Fi settings, which ensures a wider coverage than 5GHz.
- Each WiZ light has 2MB of flash memory – enough space to run complex software smoothly, manage secure updates, and store as many settings as needed.

WiZ APP

Download the free WiZ app to a mobile device to monitor real-time energy usage, schedule fixture operation, set a Circadian rhythm, track room usage, or dim the light level. Set permissions for the administrator and separate settings for users. You can also:

- Set up and connect instantly to Wi-Fi – no hubs or extenders required.
- Group lights together or control them separately.
- Set lights to turn on/off, dim up/down, and tune shades of white color based on day/time, or based on ambient conditions.
- Monitor power usage remotely from the app.
- See high traffic areas and monitor activity in real time via Bluetooth tracking.

WiZ SECURITY & SUPPORT

- User privacy is protected via anonymous sign-in and TLS 1.2 encrypted cloud connections. The WiZ API requires safe authentication through OAuth 2.0. Transparent and forced upgrades ensure that all WiZ lights are up-to-date with the latest security patches.
- Each light has its own unique password, which makes them collectively difficult to hack.
- WiZ is supported in six languages across North America via chat and email.

WI-FI ROUTER INFO

Tested and Recommended Wi-Fi Router Brands
Under 50 points of lights
- Any consumer level Wi-Fi router will do

Between 50 and 100 points of lights
- Linksys
- Mikrotik
- Ubiquity
- Cisco

Between 100 to 200 points of lights
- Any enterprise-level hardware from the brands above
- Linksys LAPN300 AP

See the complete installation instructions, provided as a separate document, for the full system requirements.

NOTE
As of May 2021, WiZ has observed pairing issues with some higher-end TP-Link WiFi router models. WiZ is in talks with Espressif on a possible fix. Until then users are advised to refrain from using such routers.

WiZ ACCESSORIES

WiZmote
The WiZmote lets you have quick and easy control of your WiZ lights. Set the lights to turn on/off, adjust brightness, change to night light and choose from 4 favorite light modes just by pressing a button. Works with all WiZ Connected products and controls all lights in a room. Wide control range of up to 15 meters and works even when Wi-Fi is down. *Model# 562363*

Motion Sensor
The WiZ wireless indoor sensor sets your lights to turn on and off according to motion detection. Put it at the entrance or corridor and trigger on your desired light modes just by walking by, set it to turn off or to minimum brightness after you leave the room. It controls all the lights in a room and has a motion detection range of up to 3 meters. Set the sensor to trigger different light modes during different times of the day in the WiZ app (e.g. warm white in the evening or nightlight after bedtime). *Model# 560771*

PHOTOS

2700K

4200K

6400K

Angled – Light Off

2700K   4200K   6400K

Underneath – CCT Split
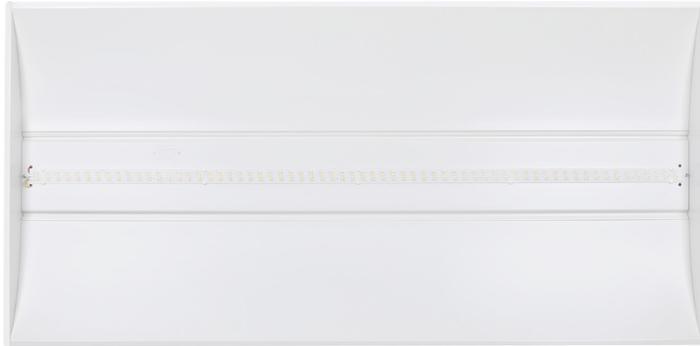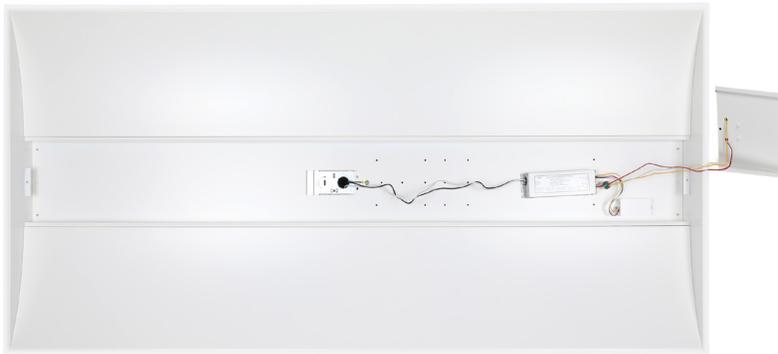

Underneath – Light Off
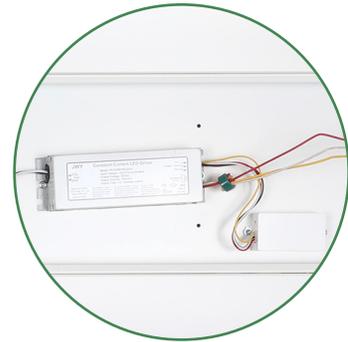

Side Profile

End Profile

PHOTOS (Cont.)
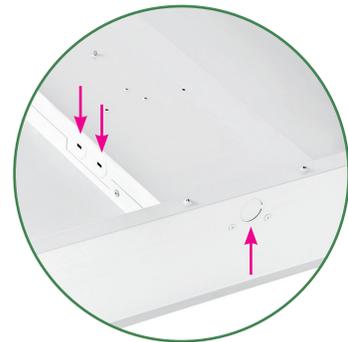

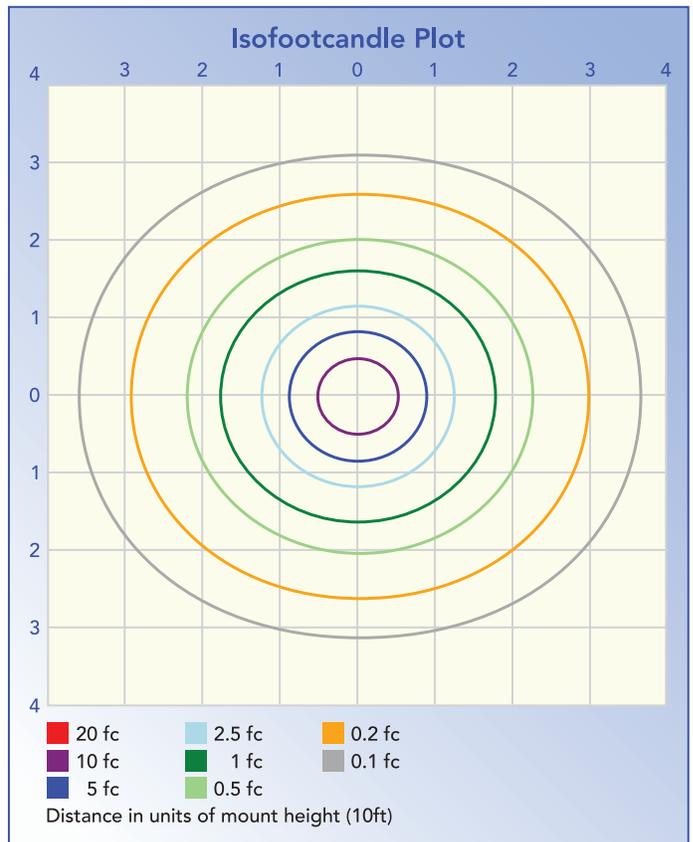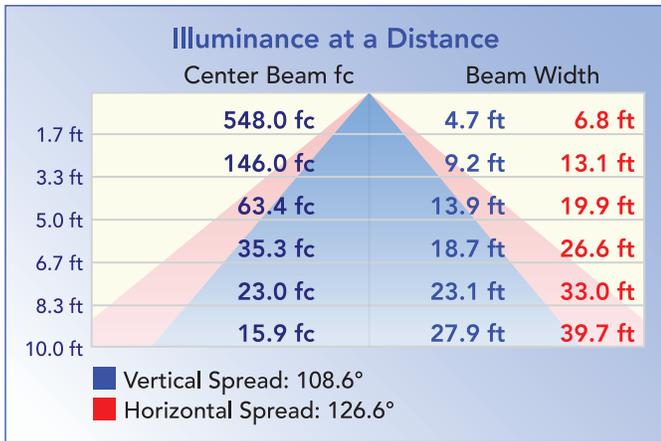Lens Off

LED Closeup

Cover Off

Driver Closeup
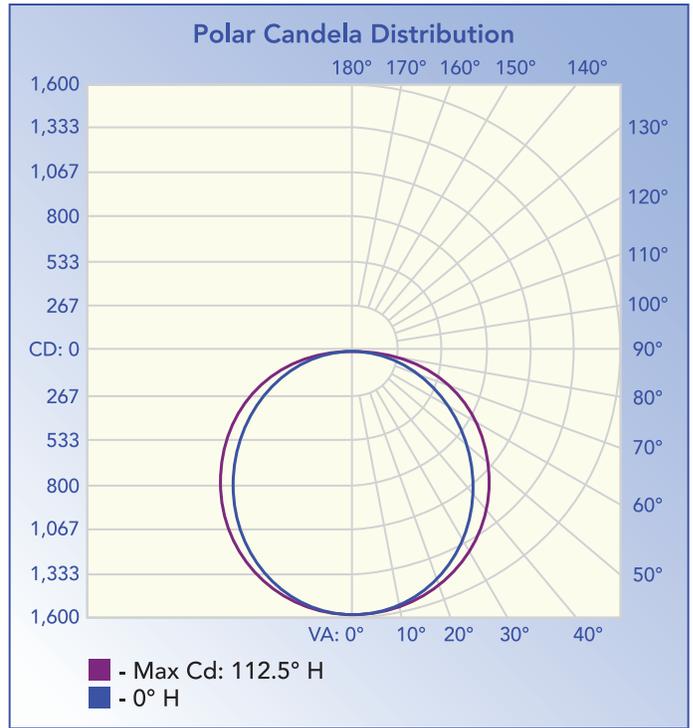

Back View

Knock Out Locations

LUMINAIRE PHOTOMETRIC REPORT

Filename	EVTR24DI48DTWP
Manufacturer	Cordelia Lighting Inc
Luminaire	2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces
Luminaire Category	EVTR24DI48DTWP
Lamp Output	Total luminaire Lumens 4,904.5
Max Candela	1,589.5 at Horizontal: 112.5°, Vertical: 3°
Input Wattage	36.5
Luminous Opening	Rectangle (L: 45.28", W: 21.65")
Test	4789504715_1
Test Date	3/6/2020
Test Lab	UL Verification Services (Guangzhou) Co., Ltd.
Photometry	Type C
CIE Class	Direct
Cutoff Class	Cutoff
Nema Type	7x7

Polar Candela Distribution

- Max Cd: 112.5° H
- 0° H

Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7 ft	548.0 fc	4.7 ft	6.8 ft
3.3 ft	146.0 fc	9.2 ft	13.1 ft
5.0 ft	63.4 fc	13.9 ft	19.9 ft
6.7 ft	35.3 fc	18.7 ft	26.6 ft
8.3 ft	23.0 fc	23.1 ft	33.0 ft
10.0 ft	15.9 fc	27.9 ft	39.7 ft

Vertical Spread: 108.6°
Horizontal Spread: 126.6°

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° – 30°	1,238.4	25.2%
0° – 40°	2,032.2	41.4%
0° – 60°	3,645.2	74.3%
60° – 90°	1,249.5	25.5%
70° – 100°	612.1	12.5%
90° – 120°	4.2	0.1%
0° – 90°	4,894.7	99.8%
90° – 180°	9.8	0.2%
0° – 180°	4,904.5	100%

Isofootcandle Plot

20 fc	2.5 fc	0.2 fc
10 fc	1 fc	0.1 fc
5 fc	0.5 fc	

Distance in units of mount height (10ft)