EDIPAI
Premium Lighting Manufacturer

LED TROFFER G3 SERIES ETL



Project:	
Qty:	
Type:	
Catalog #:	
Comments:	
Approved by:	
Date:	



ETL Listed



DLC Listed Premium



0-10V Dimmable



5 Years Warranty



120° Beam Angle

TECHNICAL SPECIFICATIONS

Construction

• 1.85-inch-thickness prefabricated 24-gauge metal sheet housing with powder coated finish.

• High efficiency, maintenance-free LED chamber.

• Four auxiliary fixture end suspension points provided.

• Tool-free removable wire way cover.

Finish

• 95% High reflectance baked with matte white finish

• Formulated for high durability and long-lasting color

LED CHARACTERISTICS

• SMD2835 LED's Long-life, high-efficacy

• CCT Options: 3000K /3500K/4000K/5000K/6500K,CRI>80,R9>0

• 1CCT/3CCT/5CCT options

• Lifespan 60,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

OPTICS

•Highly transmissive Polycarbonate lens help diffuse the LED source pixilation, without compromising light output.

• UL 94-V0 flame retardant grade

Mounting and installation

• Quick and easy installation by single person

• Featured with an integral driver box for easy installation

• Attached grid clip with wire-tie hole provided for seismic wire

• Certified for direct contact with insulation

Warranty

• Five-year Limited Warranty.

Compliance

• ETL Listed

Suitable for damp locations.

IC rated for direct contact with insulation.

• TM-21 Projected L70 life >50,000 hours.

• LM-79, LM-80 testing performed in accordance with IESNA standards.

• Design Lights Consortium Qualified and classified for DLC Premium 6.0.

Electrical

• Non-Isolated Constant Current LED Driver.

• Power Factor: > 0.9 nominal

• Input Power: Stays constant over life

• Input Voltage: 120-277V, 120-347V, 60Hz

• Operating Temperature Range: 0˚C - + 35˚C (32˚F - + 95˚F)

• Total Harmonic Distortion: <20%

• 12V DC 200ma Options

Emergency Battery Options

• Optional 120-277V/347V integral emergency battery pack available in 8W-or 15W

• 90-minute backup period for code compliance • Test switch with laser pointer allows safe testing from floor

Integrated Controls

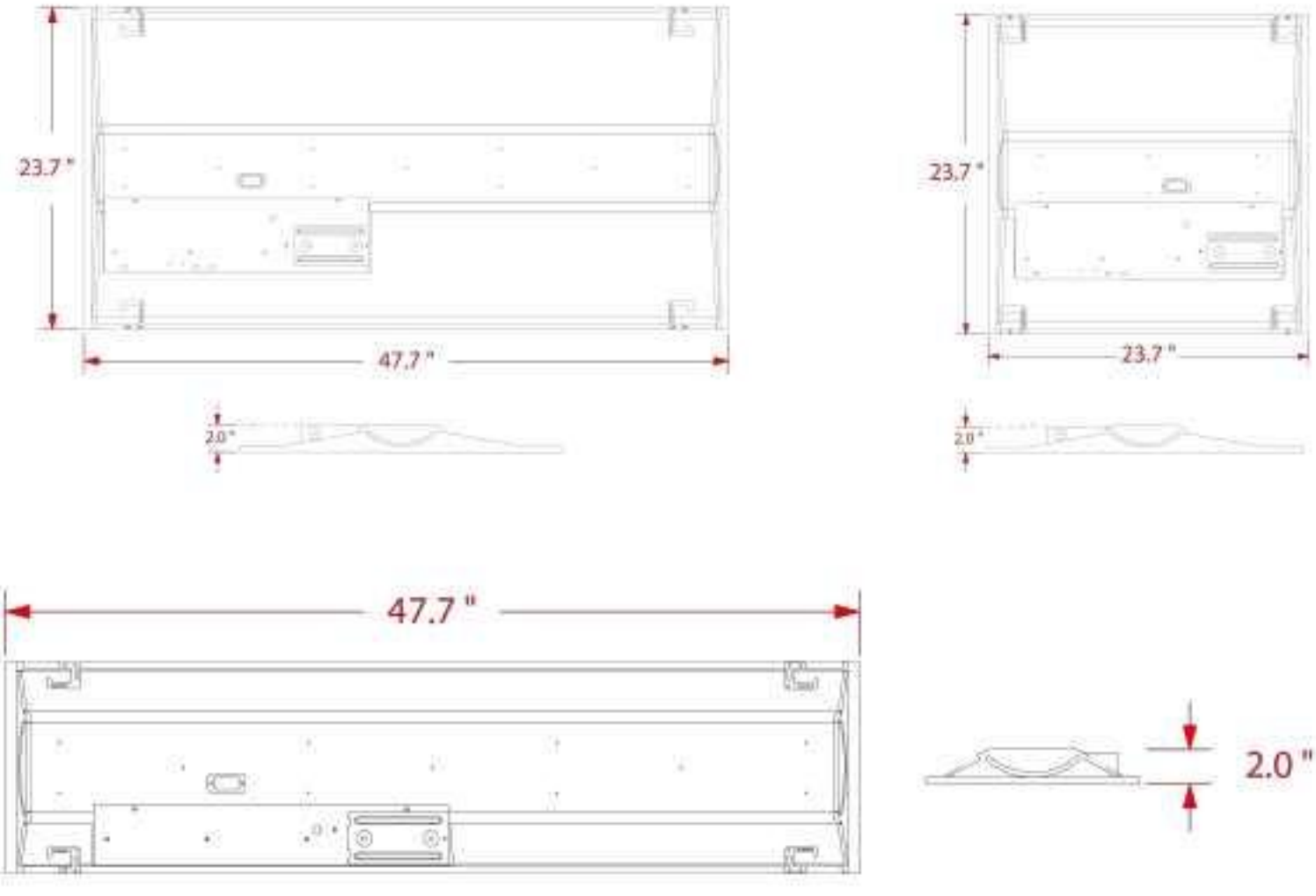
•Dimming: 0%-100% (Varies by controller)

•Sensor: Microwave Sensor / PIR Sensor,Daylight or Daylight Harvest Options

Order Information

Size	Part No.	Power	Input Voltage	Luminous Efficacy	Luminous Flux	CCT
1X4	EDI-TFA14-50W-xxK G3	15W-25W-30W-40W-50W	120-277V	135lm/W	5000lm	5CCT
	EDI-TFA14-65W-xxK G3	15W-30W-40W-50W-65W	120-347V	145lm/W	6250lm	
2X2	EDI-TFA22-50W-xxK G3	15W-25W-30W-40W-50W	120-277V	135lm/W	5000lm	5CCT
	EDI-TFA22-65W-xxK G3	15W-30W-40W-50W-65W	120-347V	145lm/W	6250lm	
2x4	EDI-TFA24-40W-xxK G3	5W-25W-30W-35W-40W	120-277V 120-347V	135lm/W	2635lm	5CCT
	EDI-TFA24-50W-XXK G3	15W-25W-30W-40W-50W		135lm/W	6250lm	
	EDI-TFA24-65W-xxK G3	15W-30W-40W-50W-65W		145lm/W	6250lm	
	EDI-TFA24-100W-xxK G3	20W-40W-60W-80W-100W		145lm/W	9000lm	

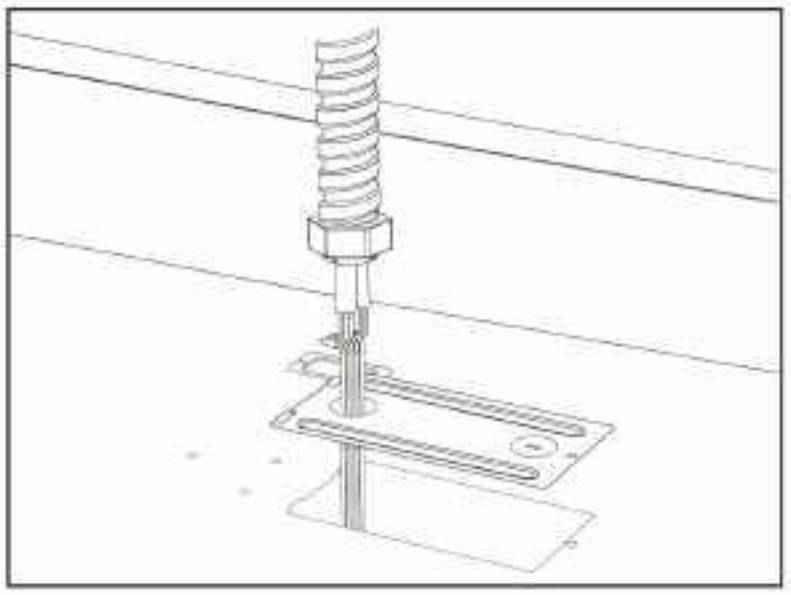
Dimension



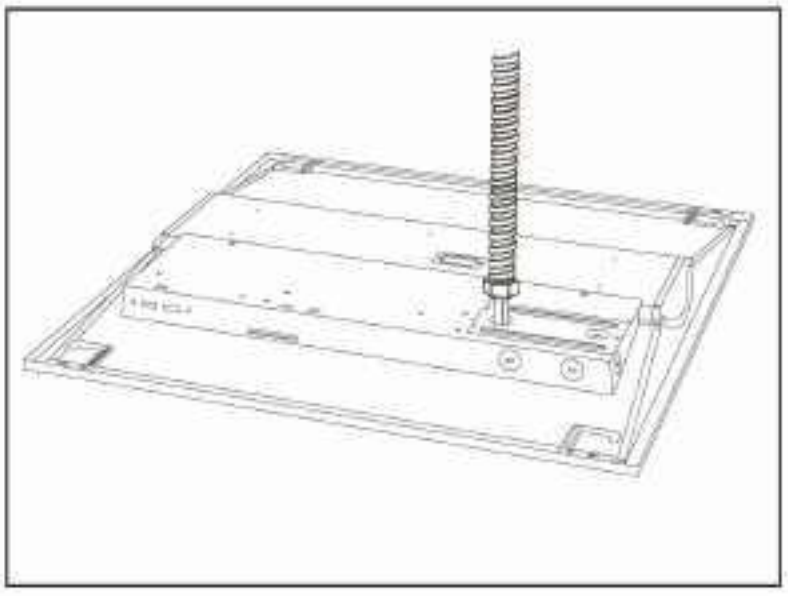
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Installation Instruction

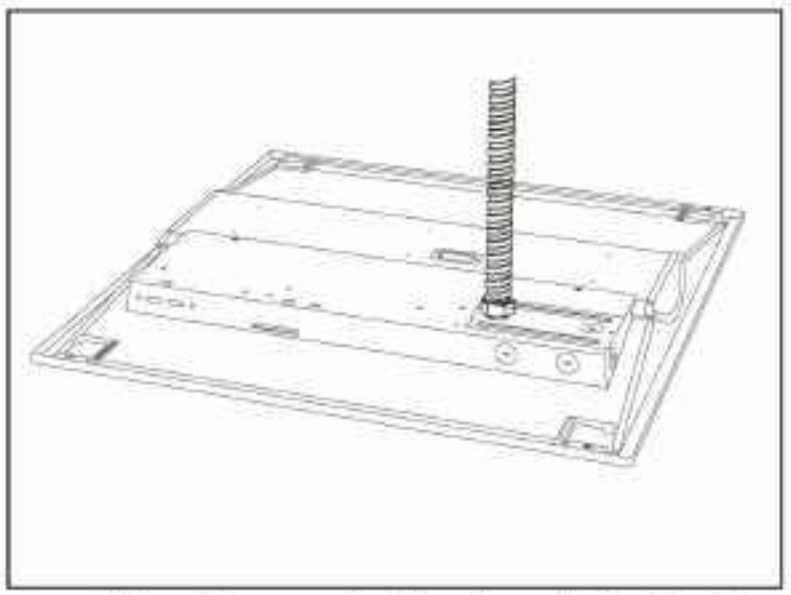
Step 1.Connect the input line to the corresponding line of the lamp body.



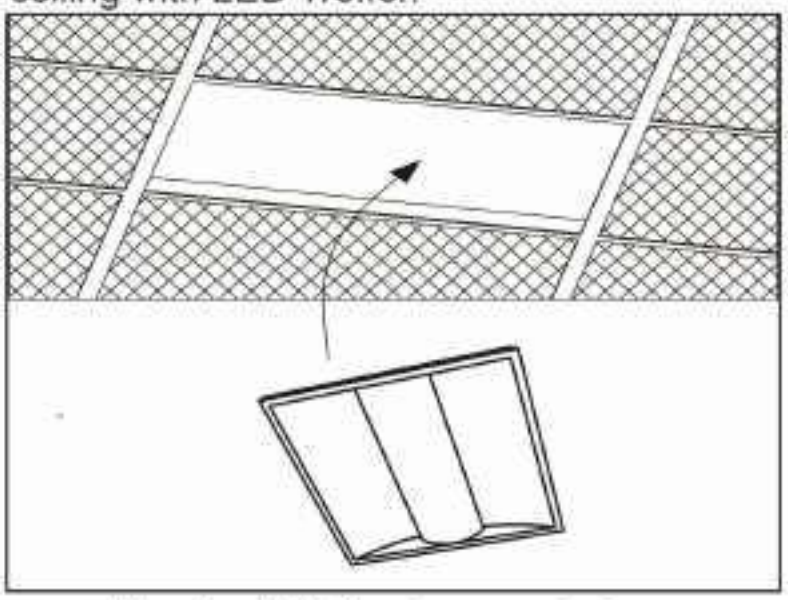
Step 2.After the connection, fasten the iron sheet with screws.



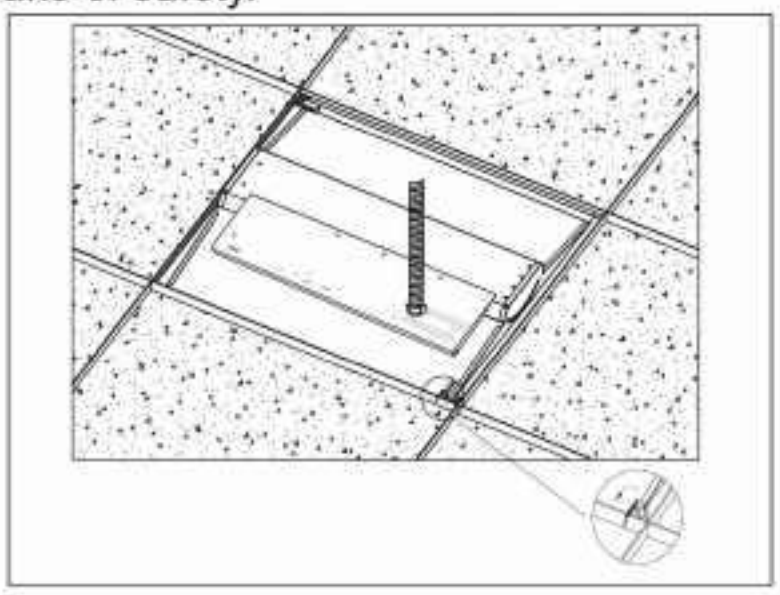
Step 3.Fasten the joint with a nut.



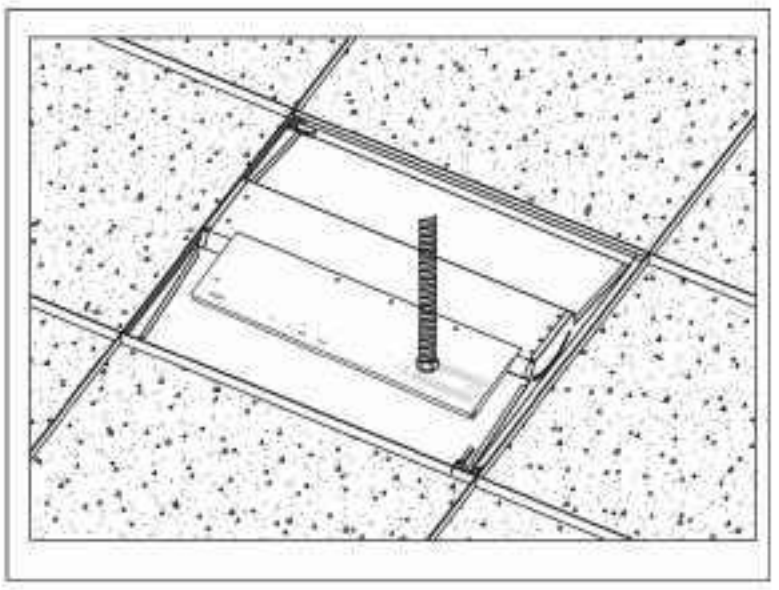
Step 4.Replace existing lighting fixture from ceiling with LED Troffer.



Step 5.Use the protective brackets for the sake of safety.



Step 6.The installation is complete.



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Occupancy Sensor

	Microwave Sensor&Daylight	Bluetooth PIR Sensor
		
Voltage	DC 12V	DC 10-24V
Current	＜30mA	＜30mA
HF Frequency	5.8GHz±75MHz	5.8GHz±75MHz
HF Power	0.3mW	0.3mW
Detection Angle	30-150° Without Glass Cover	30-150° Without Glass Cover
Mounting Height	Max 15m/49ft	Max 15m/49ft
Detection Distance	Radius 3-6m	Radius 3-6m
Working Temp	-40℃ ~ +70℃	-40℃ ~ +70℃
Warranty	5 Years	5 Years
Daylight Harvest	N/A	available
Programming	Fully compatible with remote control	
Holdtime	5s±1s/30s±3s/1min±4s/3min±5s/5min±10s/10min±20s/20min±25s/30min±30s	
Daylight	2Lux(0-8)/10Lux(6-18)/30Lux(20-45)/50Lux(30-70)/80Lux(60-100)/120Lux(90-155)/Disable	
Standby Period	0s/10s±2s/30s±3s/1min±4s/5min±10s/10min±20s/30min±	
Standby Dimming	10%（0.95-1.2V）/20%(1.8-2.2V)/30%(2.8-3.2V)/50%(4.8-5.2V)	
Wiring	RED: VCC; GRAY: GND; PURPLE: DIM+	
Control	ON/OFF / 0-10V Dimming	

Emergency LED Driver

Features

- UL Listed for us and Canada Self-testing
- Listed to UL924 and tested to CSA C22.2 NO.141 Field or factory installation
- High output voltage
- LoW-energy consumption CEC compliance
- Constant output power
- Self-testing
- Battery:over temperature protection



Specifications

- Input Voltage:100~277Vac/347Vac 50/60Hz
- Input Current:100mA max.
- Input Power Rating:7W-max.
- Output Voltage:25V~230Vdc
- Emergency Power:8W-15W-30W-Options.
- Recharge Time:24Hrs
- Discharge Time: ≥1.5H
- Ambient Temp:Li-ion:32~122°F(0~50°C) Ni-MH: 41~149°F(5~65°C)
- Surge Protection:Line-Neutral 3KV

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Packing / weight

Size	Outer box (L*W*H)	Qty/Ctn (pcs)	G.W-Ctn (lbs)	Container 20GP(28 ㎥)	Container 40HQ(68 ㎥)	Container 45HQ(78 ㎥)
2x2ft	25.5 x 25.6 x 5.1 in 648 x 650 x 130 mm	2	12	840 pcs	2500 pcs	2500 pcs
2x4ft	49.5 x 25.6 x 5.1 in 1257 x 650 x 130 mm	2	23	414 pcs	1250 pcs	1280 pcs

Warranty

This product has a warranty of period of 5 years from the date of purchase. The warranty is invalid in the case of improper use, installation, tampering or removal of the Q.C. and/or date label, usage in improper working environment or installation not according to the current edition of the National Electric Code. Should this product fail during the warranty period it will be replaced free of charge, subject to correct installation and return of the faulty unit. Manufacturer does not accept responsibility for any installation costs associated with the replacement of this product. This warranty is in addition to the statutory rights in your country of purchase. Manufacturer reserves the right to alter specifications without prior notice.

Note

1.The installation and maintenance must be completed by electricians or professionals.
2.Please cut off the power before installation and maintenance.
3.The thermally insulating material is not allowed to cover the fixture.
4.Please keep away from the corrosive substance, and keep the fixture dry and clean.
5.Working temperature: -4°F~104°F, storage temperature: -22°F~140°F.

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