



FHEZ10A24

24" EZ EXIT EM T-Grid

- Universal mounting allows for installation with all types of T-Grid
- Universal Input 120-277VAC
- High Lumen Output EM Solution; Powered by FHSCP EM driver
- Integrated Test Switch
- Ni-Cd Battery

General Specifications

Input Voltage ^①	120-277VAC
Input Current ^①	0.087A Max
Input Power (Nominal) ^①	5.7W
Operating Frequency	50/60Hz
Output Power ^①	10.7W (Constant) @ Emergency Mode
Module Operating Voltage	26.2VDC
Max Lumen Output @ Emergency Mode	1300 lumens @ 5000K 80CRI
Standard CRI / CCT	Only available in 80 CRI and 5000K
Battery Type	NiCd 9.6Vdc
Battery Capacity Available	26.9Wh
Recharge Time	24 Hours
Emergency Operation	90 Minutes
EM Driver Operating Temperature Range	0°C to 50°C / 32°F to 122°F
Maximum Module Case Temperature (Tc)	Tc max 90°C / 194°F
Estimated Lumen Maintenance ^②	L70: >60,000Hrs / L90: 40,000Hrs
Color Consistency	Binning per ANSI C78.377-2015 @ 25°C; 3 SDCM
Extruded Material / Finish	Steel
Overall Size	23.9" L x 1.02" W x 1.86" H (607.06mm L x 25.91mm W x 47.24mm H)
Weight	0.7lbs
Packaging: Carton / Master Carton	1pc. / 6pcs.
Safety/Compliance	DC Module: cURus (File # E351548), TMU045012ELXXB EM Driver: ULus Classified (File # E477042), FHSCP-UNV-10.7WL EZ EXIT: E505082 Dry and Damp Location CEC Compliant
RFI/EMI	FCC PART15A Non-Consumer
Output Type	Class 2
Surge Protection	Per C62.41 (TVS)
Protective Lens	1.2mm Frosted Polycarbonate V-0 Flame rated
Lens Transmittance	15%
PCB Material	FR4
Warranty	5 years @ Max. Tc/Ta from the date of manufacture

^① Measured electrical data per UL file

^② TM-21 Reported Numbers



FHEZ10A24

Part Number Matrix

FH

Product Line
FH = FireHorse

EZ

Model
EZ = EZ Exit

10

Emergency Power
10 = 10.7W

A

24

Length
24 = 2ft Fixture

Electrical and Optical Specifications

EZ EXIT Part Number	CCT / CRI	Input Power	Output Power @ Emergency	Lumen Output @ Emergency	Efficacy
FHEZ10A24	5000K / 80CRI	5.7W	10.7W	1300lm	121lm/W

Thermal Specifications

EZ EXIT Luminaire

EM Driver Operating Temperature Range	0 to 50°C / 32 to 122°F
Maximum Module Case Temperature (Tc)	90°C / 194°F

Module Case Temperature (Tc)	Luminous Flux Multiplier
25°C	1.000
30°C	0.991
35°C	0.982
40°C	0.973
45°C	0.964
50°C	0.953
55°C	0.944
60°C	0.935
65°C	0.926
70°C	0.917
75°C	0.908
80°C	0.899
85°C	0.889
90°C	0.880
95°C	0.862
100°C	0.853

NOTES:

- 1) Performance based on Tc mod = 25°C. See thermal de-rating chart for higher temperature operation
- 2) Lumen output is calculated with lens installed.

FHEZ10A24

Certification Chart

Model	FHEZ10A24
Classification	
	YES (DC Module)
	YES (EM Driver)
	YES (EM System)
	YES (EM Driver)

Energy Star™ TM-21 Calculator Data

Tc Module	Reported L70	Reported L90
55°C	>54,000 Hrs	>54,000 Hrs
85°C	>54,000 Hrs	46,000 Hrs
105°C	>54,000 Hrs	40,000 Hrs
Tc Module	Calculated L70	Calculated L90
55°C	180,000 Hrs	54,000 Hrs
85°C	154,000 Hrs	46,000 Hrs
105°C	133,000 Hrs	40,000 Hrs

Product Image:





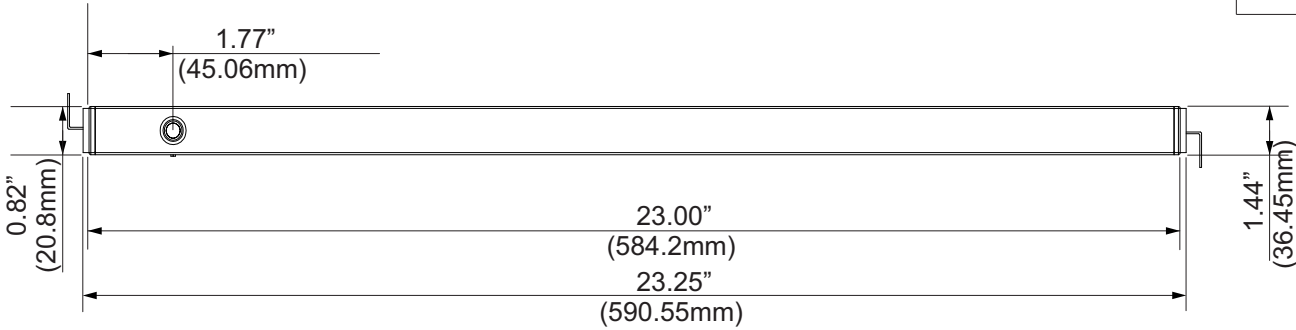
FHEZ10A24

Mechanical Drawings

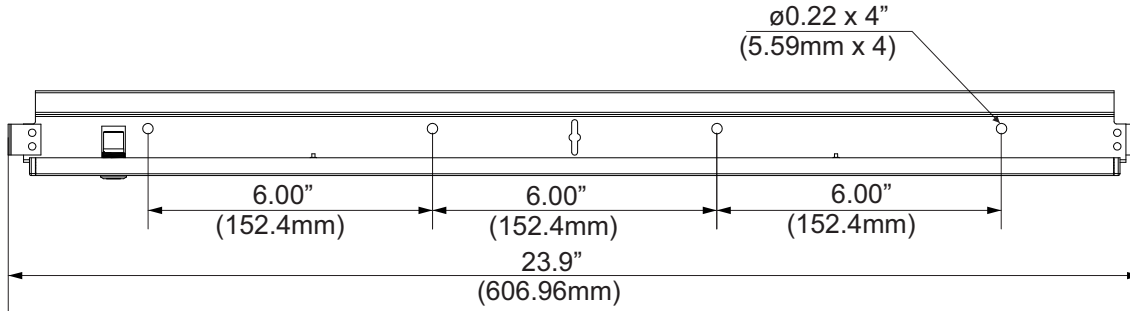
Scale 1:5

Overall Dimensions	
Length	23.9" [606.96mm]
Height	1.86" [47.15mm]
Width	1.44" [36.45mm]

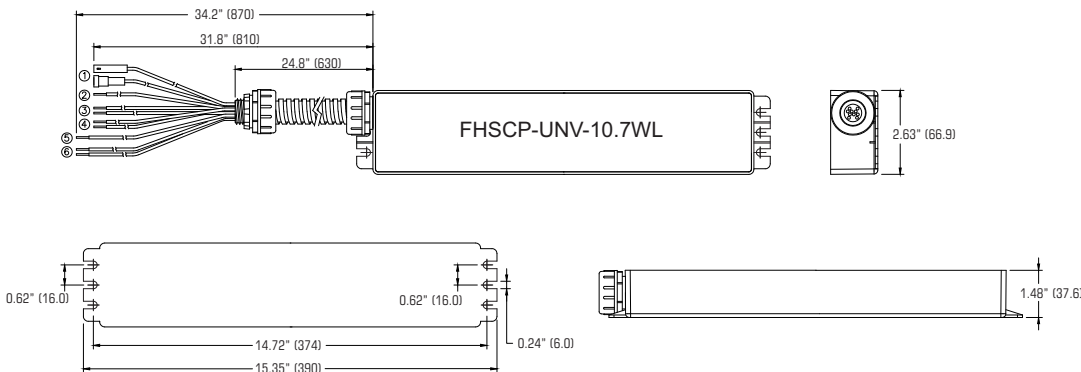
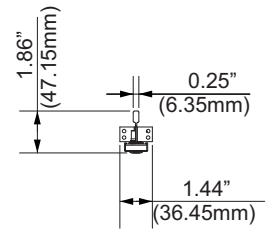
TOP VIEW



SIDE VIEW



FRONT VIEW



EM Driver Dimensions

Length	15.35" [390.0mm]
Mounting Hole (C-C)	14.72" [374.0mm]
Width	2.63" [66.9mm]
Height	1.48" [37.6mm]



FHEZ10A24

Guidelines

Environmental Rating

- The EZ EXIT EM luminaires have been evaluated for use in dry or damp locations only. If used in wet locations, acceptability and the need for additional evaluation shall be determined in the end product.

Electrostatic Sensitive Product (ESD)

- Fulham LED products should be handled with proper measures to protect against any potential ESD damage.
- When servicing, personnel should be ground and direct contact with LED should be avoided.

Thermal Management

- Proper thermal management has already been taken into account. To ensure life and reliability of the product, please use product only in emergency mode.

Polarity Notes

- DC Modules are polarity sensitive.
- Ensure that "positive" from EM Driver is connected to "positive" of LED modules and that "negative" from EM Driver is connected to "negative" of LED modules.
- Polarities of modules are marked with "+" for positive and "-" for negative.

Battery Maintenance

- Do not connect battery until fixture is installed.
- In order to maintain proper operation and warranty coverage, the battery must be recharged once per year prior to installation.

FHEZ10A24

Wiring Diagram

