

# CHLORIDE

by 

## Exit/Emergency

Fusion II

Recessed lay-in  
emergency unit



Project: \_\_\_\_\_  
Location: \_\_\_\_\_  
Cat.No: \_\_\_\_\_  
Type: \_\_\_\_\_  
Lamps: \_\_\_\_\_ Qty: \_\_\_\_\_  
Notes: \_\_\_\_\_

### Example: F2WIC

F2		IC	
<b>Series</b>	<b>Housing Finish</b>	<b>Model Designator</b>	<b>Options</b>
F2 – Fusion 2 X 2 Emergency Unit	W – White B – Black	IC – Intelli-Charge Diagnostics	EX – Special Input Transformer (specify voltage & frequency) <sup>1</sup> T – Self-Testing Diagnostics TA – Audible Self-Testing Diagnostics TD – Time Delay <sup>2</sup> TP – Tamperproof

### Footnotes

<sup>1</sup> Some options impact UL listing. Consult factory for specifics.

<sup>2</sup> 15 minute time delay

<sup>3</sup> Consult Signify to confirm whether specific accessories are BAA-compliant.

### Accessories<sup>3</sup> (Order Separately)

F2BHK – Bar Hanger Kit  
T15TPTOOL – Tamperproof Screwdriver  
ICIR – Intelli-Charge Infra-Red Remote

### codes and standards

- UL 924 listed for suspended ceiling systems
- NFPA 101, NEC, IBC, BOCA, and OSHA Illumination standard
- IC rated for insulated suspended ceilings

### construction

- Backbox constructed of 14 gauge galvanized steel.
- 2' x 2' faceplate constructed of 1/8" thick aluminum for strength and allows direct ceiling tile replacement.
- Use structural support wire and/or bar hanger kit (available separately, see Accessories) to complete installation.

### installation

- For suspended ceiling installation only.
- The aluminum faceplate allows direct ceiling tile replacement.
- Openings are provided in the housing for structural support wire and bar hanger support.
- Multiple knockouts are provided for conduit entry.

### electronics

- 120/277 VAC dual voltage input with surge protection is standard on all models.
- All models feature the Intelli-Charge circuit where the charging system is microprocessor driven with software embedded diagnostic routine and temperature compensation.
- All models include brownout detection, AC lockout, low voltage disconnect, AC power indicator, charge status indicator, audible user-interface controls, visual LED system fault indicator, and tactile push-to-test switch.

- Additional equipment safety features include reverse battery polarity detection and protection, and reverse utility power detection and protection.
- All models include an on-board IR receiver for use with the optional hand-held remote (ICIR).
- (optional self-testing electronics) The diagnostic/charging platform with optional self-testing mode automatically runs a one-minute self-test once a month and a 30 minute test on the sixth and twelfth month in accordance with NFPA 101.
- A one minute or 90 minute test may be initiated via the push to test switch on the unit or by activating the appropriate test command on the optional IR test device.
- Power Consumption  
.27 A (120 VAC), .13 A (277 VAC)
- Operating temperature range 65°F (19°C) to 85°F (30°C)

### lamps

- Illumination is provided by two high performance 35 W MR16 lamps combined with a reflector system.
- Optical assemblies can be rotated from 0° to 90° for corner installations.

### battery

- Maintenance free sealed lead calcium batteries with an estimated service life of 5 years.
- Provides a minimum of 90 minutes emergency illumination.

### warranty

- Five full years on electronics and unit (excluding lamps).

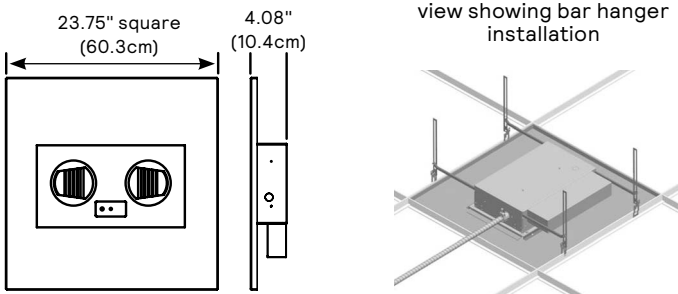


# F2 Fusion II recessed lay-in emergency unit

## options

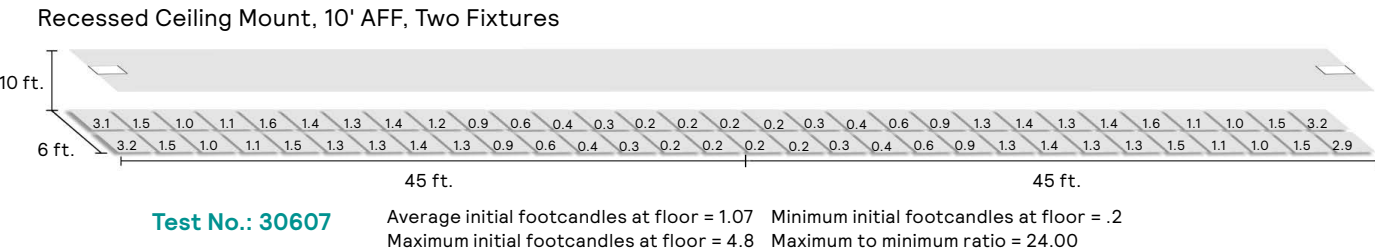
- **EX** – The special input transformer option allows for input voltage and frequencies beyond the standard 120/277 VAC , 60 Hz input .
- **T** – The self-testing option enables a periodic self-test of the equipment where a test routine is established to perform a one minute test once a month with a 30 minute test performed on the sixth and twelfth month in accordance with NFPA 101 . Equipment readiness faults are indicated with a visual LED display .
- **TA** – The audible self-testing option enables a periodic self-test of the equipment where a test routine is established to perform a one minute test once a month with a 30 minute test performed on the sixth and twelfth month in accordance with NFPA 101 . Equipment readiness faults are indicated with a visual LED display and an audible alarm .
- **TD** – The time delay circuit causes the emergency lighting equipment to remain under battery power for a period of 15 minutes after the utility power has been restored .
- **TP** – The tamperproof option provides torx T15 hardware with center pin reject and the bit required to secure and access the equipment for future servicing .

## dimensions



## performance

Meets Life Safety Code illumination standard; average of 1.0 FC, no point less than 0.1 FC, max to min ratio of 40:1. Assumes open space with no obstructions, mounting height: 10' and reflectances: 80/50/20. Analysis based on independently tested photometrics.



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