

PROJECT NAME:	APPROVED BY:
CATALOG NO:	TYPE NO:

# TUFFLITE THZ - EMERGENCY LIGHT

**Class 1 Div 2 • 6 & 12 Volt 18 - 60 Watt**

Tufflite "THZ" Industrial Class 1 Division 2 emergency lighting units are designed for use in Class 1 Division 2, Groups A, B, C, D, Class II Divisions 1&2 Groups E,F,G: T coded T4A, T3B, T3A, T2D, T2A, or T1

The heavy duty cast aluminum enclosure provides protection for the enclosed equipment for use in NEMA4X/IP66 environments, sanitation approved by ETL for use in splash zones equivalent to NSF2 and designed for use in Class 1 Division 2 areas.

## Construction

- Designed and listed for use in Class 1 Division 2 Groups A, B, C, and D, Class 2 Divisions 1&2, Groups E,F,G: T Coded T4A, T3B, T3A, T2D, T2A, or T1
- Rugged .100" thick die cast aluminum fully gasketed housing is provided with stainless steel mounting straps and, finished in industrial grey
- Fully gasketed to meet the requirements of NEMA 4X and IP66 applications, Intertek splash zone listing is equal to NSF Standard 2
- Clear 0.125" polycarbonate lens for vandal resistance with fully adjustable lampheads
- Stainless steel Tamper resistant screws are standard
- External 4 hole mounting provision provides ease of installation with minimal cabinet intrusion
- A hazardous NEMA 4X/IP66 1/2" conduit fitting is supplied

## Electrical

- Fully automatic operation provides 90 minutes or more of emergency lighting
- Charging circuit is temperature compensated and includes short circuit protection
- Premium, fully automatic current limited "Pulse Switching" charger provides ideal charge conditions for optimum battery performance and life



- Choice of maintenance free sealed Lead Calcium or Nickel Cadmium batteries
- Batteries fully recharge to UL924 requirements automatically, following a power outage
- Short Circuit battery protection
- Field selectable 120 or 277 VAC input
- Magnetic test switch and dual diagnostic LED indicator displays AC and Hi-Charge status
- Brownout sensing assures emergency operation during periods of low line voltage Line-latch prevents unnecessary discharge of battery during installation, loads will not illuminate until after application of utility power
- Low voltage cut-off prevents battery damage and ensures positive charge acceptance following an extended discharge
- Operating temperature range is 10°C to 40°C

## Certification

- CSA C22.2 No. 141 performance certified
- Self-Test / Self-Diagnostic monitoring available
- Listed to UL 924, meets NFPA 101 Life Safety Code, NFPA 70-NEC and OSHA requirements
- Buy American Act compliant



## Warranty

- 3 Year Limited Warranty

## ORDERING GUIDE – THZ Series

Example: THZ2E36-L127-SD

Model	Operating Voltage/Wattage	Available Lamps Heads	Options	
THZ	<b>Lead Calcium Battery</b> <b>90 Minute Capacity</b> 2E18 6 Volt – 18 Watts 2E27 6 Volt – 27 Watts 2E36 6 Volt – 36 Watts 2E60 6 Volt – 60 Watts 4E36 12 Volt – 36 Watts 4E60 12 Volt – 60 Watts	<b>Nickel Cadmium Battery</b> <b>90 Minute Capacity</b> 2N22 6 Volt – 22 Watts 2N42 6 Volt – 42 Watts 2N54 6 Volt – 54 Watts 4N42 12 Volt – 42 Watts	<b>LED</b> L65 6 Volt - 5 Watt L67 6 Volt - 7 Watt L125 12 Volt - 5 Watt L127 12 Volt - 5 Watt  <b>MR16 (Halogen)</b> MR1220 12Volt - 20 Watt	<b>SD*</b> Self Test / Self Diagnostic <b>A</b> Ammeter (only available in units 42 watts and below) <b>V</b> Voltmeter (only available in units 42 watts and below)  *SD Includes standard time delay, specify 0, 5, 10 or 20 minutes (specify)
THZ				

Fill in fields from categories above and complete type and part number.

Type Number:	Full Part Number:
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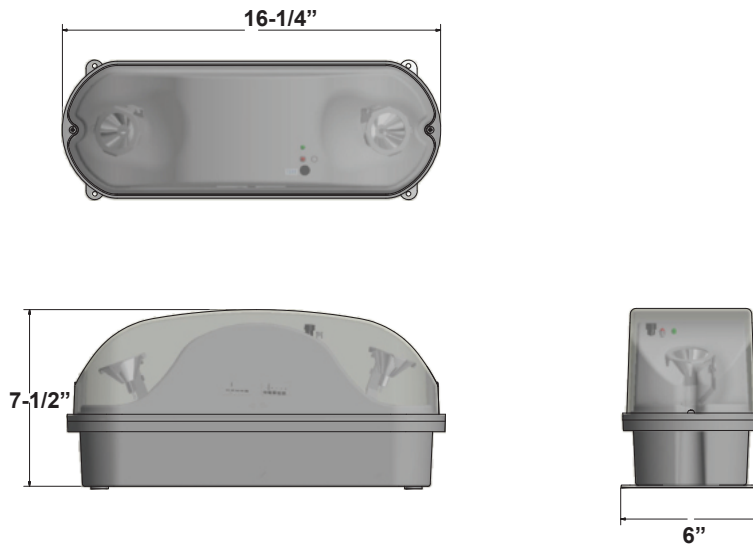
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Summary of Class I, II, III Hazardous Locations			
CLASSES	GROUPS	DIVISIONS	
		1	2
I Gases, vapors, and liquids (Art. 501)	A: Acetylene B: Hydrogen, etc. C: Ether, etc. D: Hydrocarbons, fuels, solvents, etc.	Normally explosive and hazardous	Not normally present in an explosive concentration (but may accidentally exist)
II Dusts (Art. 502)	E: Metal dusts (conductive, * and explosive) F: Carbon dusts (some are conductive, * and all are explosive) G: Flour, starch, grain, combustible plastic or chemical dust (explosive)	Ignitable quantities of dust normally are or may be in suspension, or conductive dust may be present	Dust not normally suspended in an ignitable concentration (but may accidentally exist). Dust layers are present.
III Fibers and flyings (Art. 503)	Textiles, wood -working, etc. (easily ignitable, but not likely to be explosive)	Handled or used in manufacturing	Stored or handled in storage (exclusive of manufacturing)

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### Dimensions



### Temperature Codes

Temperatures Codes Class 1 Div. 1					Temperature Codes Class 2, Div. 1&2				
Lamp:	10W Hal.	12W Hal.	20W Hal.	7W LED	Lamp	10W Hal.	12W Hal.	20W Hal.	7W LED
T Code	T3A	T3B	T2D	T4A	T Code	T4A	T4A	T4A	T4A

