EVENLITE
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Project Name:	Approved By:
Catalog No:	Type No:

TUFFLITE THZ

Class 1 Div 2 Industrial LED Emergency Light

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 and 2 Groups E, F, G: T coded T4A. 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 and 2, Groups E, F, G: T Coded T4A.
- Rugged 0.1" 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- view complete warranty terms online at www.evenlite.com/terms-warranty.

OPERATING CHARACTERISTICS

MODEL	VOLTAGE	WATTAGE			
		90 MIN	120 MIN	180 MIN	240 MIN
THZ2E12	6	12	9	6	4
THZ2E18	6	18	13	9	6
THZ2N22	6	22	16	11	8
THZ2E27	6	27	20	13	10
THZ2E36	6	36	27	18	13
THZ2N42	6	42	31	21	15
THZ2E60*	6	60	45	30	22
THZ4E27	12	27	20	13	10
THZ4E36	12	36	27	18	13
THZ4E42	12	42	31	21	15
THZ4E60*	12	60	45	30	22

Note: Not Available with all options*

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ORDERING GUIDE

Example: THZ2E36-L127-SD

MODEL	OPERATING VOLTAGE / WATTAGE		LAMPHEAD OPTIONS	OPTIONS
THZ	LEAD CALCIUM BATTERY 90 MINUTE CAPACITY[1]	NICKEL CADMIUM BATTERY 90 MINUTE CAPACITY		
	2E18 6 Volt – 18 Watts	**2N22** 6 Volt – 22 Watts	**L65** 6 Volt - 5 Watt	**SD** Self-Test / Self-Diagnostic[1]
	2E36 6 Volt – 36 Watts	**2N42** 6 Volt – 42 Watts	**L67** 6 Volt - 7 Watt	**V** Voltmeter[2]
	2E60 6 Volt – 60 Watts	**4N24** 12 Volt – 24 Watts	**L127** 12 Volt - 7 Watt	**A** Ammeter[2]
	4E36 12 Volt – 36 Watts	**4N42** 12 Volt – 42 Watts		
	4E60 12 Volt – 60 Watts			
THZ				

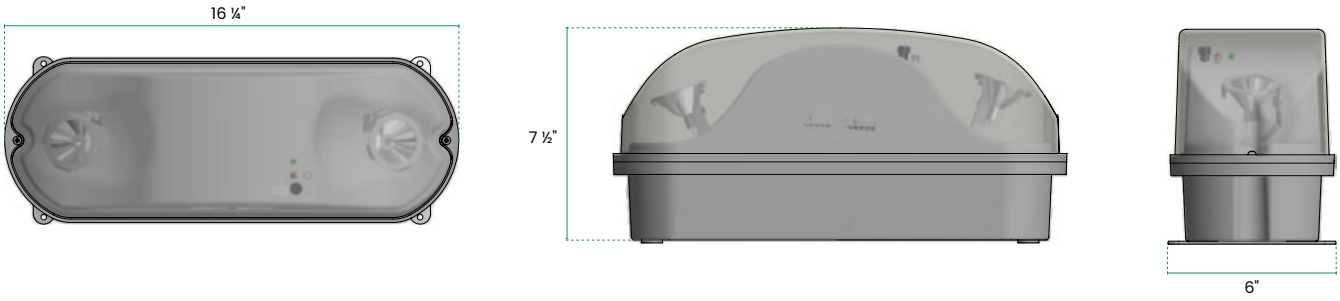
ORDERING NOTES

1. SD Includes standard time delay, specify 0, 5, 10 or 20 minutes
2. Only available in units 36 watts and below

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

Type No:	Full Part No:

DIMENSIONS



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 Dust (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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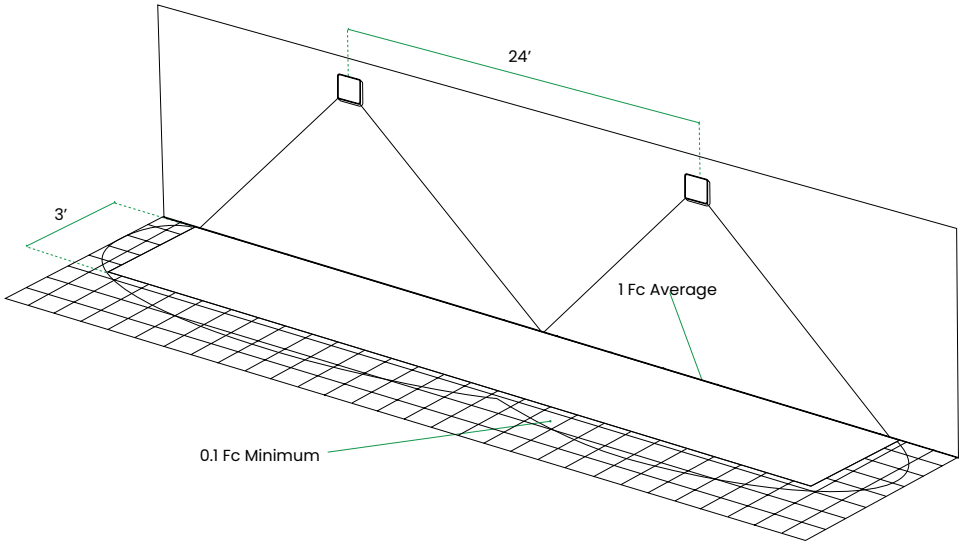
TEMPERATURE CODES

CLASS 1 DIV. 1	CLASS 2 DIV. 1 & 2
Lamp: 7W LED Max.	Lamp: 7W LED Max.
T Code: T4A	T Code: T4A

SPACING DIAGRAM

MOUNTING HEIGHT IS 8’ REFLECTANCE OF 80-50-20