

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

# TUFFLITE IXHL – Wet Location Emergency Light

## NEMA 4, 4X, 12 & 13 • 12 & 24 Volt 60-360 Watt

Tufflite “IX” Industrial NEMA emergency lighting units are designed for use in hostile areas where oil, water and dust resistant equipment is required. The fiberglass enclosure meets the requirements of the following classifications:

**NEMA 4X:** Protects enclosed equipment against falling rain, splashing or hose directed water. Is undamaged by the formation of ice on the enclosure and is corrosion resistant.

**NEMA 12:** Protects enclosed equipment against dust, dirt and dripping water.

### Construction

- Impact resistant reinforced polyester fibreglass housing in grey finish. Suitable for NEMA 4, 4X, 12 & 13 applications
- Hinged front access door for ease of maintenance
- External 4 hole mounting provision provides ease of installation with minimal cabinet intrusion
- Two fully adjustable top mounted LED lampheads in black corrosion resistant die cast aluminum housings
- Clear acrylic impact resistant lens protects led's, resists yellowing

### Electrical

- Suitable for use in temperature range of 10°C to 40°C – heater option available for colder applications
- Choice of maintenance free sealed Lead Calcium or Nickel Cadmium batteries
- Premium, fully automatic current limited “Pulse Switching” charger provides ideal charge conditions for optimum battery performance and life
- Short Circuit battery protection
- Field selectable 120 or 277 VAC input
- Sealed external Momentary test switch and dual diagnostic LED indicator displays AC presence 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
- Self Test / Self Diagnostic monitoring available



### Illumination

- 16 LED's per lamphead provide 2328 Lumens per head
- 6500K color temperature
- Parallel wired LED's for reliability
- Lampheads are 12 or 24V 27 watts per head

### Certification

- Wet and damp location listed to UL 924
- Listed to UL 924, meets NFPA 101 Life Safety Code, NFPA 70-NEC and OSHA



### Warranty

- Three Year limited warranty

## ORDERING GUIDE – IXHL

**Example:** IXHL4E60-2LED-SD

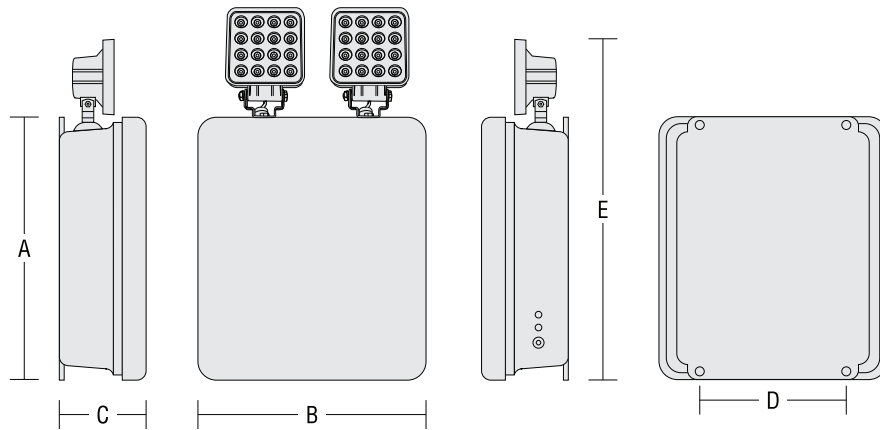
Model	Model	Lighting Heads	Options
<b>Lead Calcium Battery</b> <b>90 Minute Capacity</b> <b>IXHL4E60</b> 12 Volt – 60 Watts <b>IXHL4E72</b> 12 Volt – 72 Watts <b>IXHL4E120</b> 12 Volt – 120 Watts <b>IXHL4E140</b> 12 Volt – 140 Watts <b>IXHL4E160</b> 12 Volt – 160 Watts <b>IXHL4E180</b> 12 Volt – 180 Watts <b>IXHL4E360</b> 12 Volt – 360 Watts <b>IXHL6E360</b> 24 Volt – 360 Watts	<b>Nickel Cadmium Battery</b> <b>90 Minute Capacity</b> <b>IXHL4N90</b> 12 Volt – 90 Watts <b>IXHL4N130</b> 12 Volt – 130 Watts <b>IXHL4N200</b> 12 Volt – 200 Watts	<b>2LED</b> Two 12-24 volt 27 Watt Lamp-heads	<b>SD</b> Self Test / Self Diagnostic <b>V</b> Voltmeter <b>A</b> Ammeter <b>H</b> Internal Heater -20°C (Specify AC Voltage) <b>TD</b> 15 Minute Time Delay (Specify AC Voltage) <b>TP</b> Tamper Proof Screws
<b>IXHL</b>			

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

Type Number:

Full Part Number:

# Tufflite IXHL – Wet Location Emergency Light



## Operating Characteristics

Model	Voltage	Wattage			
		90 min	2 hrs	3 hrs	4 hrs
IXHL4N90	12	90	60	45	30
IXHL4N130	12	130	97	65	48
IXHL4E140	12	140	105	70	52
IXHL4E160	12	160	120	80	60
IXHL4E180	12	180	135	90	67
IXHL4N200	12	200	150	100	75
IXHL4E360	12	360	270	180	135

## Case Dimensions

Model	A	B	C	D	E
IXHL4N90	15.5"	13.375"	6.25"	12"	22.5"
IXHL4N130	15.5"	13.375"	6.25"	12"	22.5"
IXHL4E140	15.5"	13.375"	6.25"	12"	22.5"
IXHL4E160	17.5"	15.375"	6.25"	12"	23"
IXHL4E180	17.5"	15.375"	6.25"	12.25"	23"
IXHL4N200	17.5"	15.375"	6.25"	12.25"	23"
IXHL4E360	17.5"	15.375"	6.25"	12.25"	23"

Mounting Height [FT]	Orient [°]	Tilt [°]	Spacing (Center to Center) [FT]	Minimum [Fc]	Average [Fc]	Uniformity
10	90	77	200	0.13	1.02	31.38
15	90	70	200	0.12	1.00	31.33
20	90	63	194	0.10	1.03	38.00
25	90	57	186	0.10	1.03	36.60

- Industrial Environment:**
1. Reflectances of 10/10/10 (Ceiling/Wall/Floor)
  2. Room Dimension of 200 ft x 200 ft x 30 ft (Length x Width x Height)
  3. The ceiling and all walls (except mounting wall) were excluded
  4. 6 ft wide illumination path of egress
  5. Illumination as per NFPA101: Average of 1.0Fc, Minimum of 0.1Fc, Uniformity of 40:1

