

FEATURES & SPECIFICATIONS

INTENDED USE — Provides a minimum of 90 minutes illumination for the rated wattage upon loss of AC power to meet and exceed code required emergency lighting. Ideal for light, heavy and demanding industrial applications requiring LEDs with quick installation and unparalleled performance for mounting heights from 7.5' to 40'. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

CONSTRUCTION — The housing is gray thermoplastic, design to perform in a wide variety of industrial applications. It is 5VA flame rated, impact-resistant, scratch-resistant and corrosion proof. The UV-stable resin resists discoloration from natural and man-made light sources. There is a low-profile, integrated and back-lit test switch with an easily visible multi-color LED status indicator. The back-plate contains a universal j-box mounting pattern to facilitate ease of installation on a wide variety of j-boxes and the front housing allows tool-less access for ease of maintenance. The lamp heads have a unique track-and-swivel arrangement permitting full range of direction of optical aiming.

OPTICS — The SP640L features four high-performance LEDs rated at 6.6 watts and delivers a total of 640 lumens in a spot pattern.

The SP1100L features six high-performance LEDs rated at 10.6 watts and delivers a total of 1,100 lumens in a spot pattern.

The SP2200L features twelve high-performance LEDs rated at 22 watts and delivers a total of 2,200 lumens in a spot pattern.

CCT: 5000K.

INDRE and EXTLRE LED remotes available in 3.3W (SP640L) lamps @ 5VDC-20VDC (-40 - 55°C) input, 5.3W (SP1100L) lamps and 11W (SP2200L) lamps @ 7VDC-30VDC (-30- 50°C) input.

The typical life of an LED is 10 years. The LED light sources typically never need to be replaced under normal conditions for normal off applications.

ELECTRICAL — UVOLT (120 thru 347V, 50/60hz). Current-limiting charger maximizes battery life and minimizes energy consumption to provide low operating costs. Small battery chargers Certified in the CA Title 20 Appliance Efficiency Database.

Short-circuit protection — current-limiting charger circuitry protects printed circuit board from shorts. Regulated charge voltage maintains a stable charge voltage over a wide range of line voltages.

Prevents over/undercharging that shortens battery life and reduces capacity. Filtered charger input minimizes charge voltage ripple and extends battery life.

BATTERY: Lithium Iron Phosphate battery. Optional High-Output (HO option) and Extra High Output (EHO option), LTP battery type only, provides a wide variety of remote capacities and/or extended run time.

SELF-DIAGNOSTICS and REMOTE TEST (SDRT and AELR OPTION): Automatic 24-hour recharge after a 90-minute discharge. Advanced electrical design provides constant light output throughout the entire discharge period. Brownout protection is automatically switched to emergency mode when supply voltage drops below approximately 80 percent nominal of 120, 220, 277 or 347. Other input voltages may vary. AC/LVD reset allows battery connection before AC power is applied and prevents battery damage from deep discharge.

Self-Diagnostics: Continuously monitors AC functionality. Standard derangement monitoring will indicate disconnected battery, charger failure and displays green flashing indicator light while in emergency mode. Single multi-chromatic LED indicator to display two-state charging, test activation and three-state self-diagnostics.

Self-diagnostic testing: Five minutes every 30 days and 90 minutes annually. Diagnostic evaluation of lamps, AC to DC transfer, battery charging and condition of microprocessor. Automatic test is easily postponed for eight hours by activating manual test switch or use of remote tester (RTKIT accessory).

Manual testing: Test switch and remote tester (RTKIT accessory) provides manual activation of 60-second diagnostic testing for on-demand visual inspection.

AELR option: STAR (Self-testing Automated Reporting) radio transmits monthly and annual test results and diagnostics information for automated reporting requirements.

For more information visit AcuityBrands.com/STAR

INSTALLATION — Wall mount standard (ceiling mount capable, no additional hardware required). Steel mounting bracket ensures easy installation and safe maintenance. 7/8" entrance provision at top of unit for standard 1/2" conduit entry. Tool-less removal of front cover from back-plate for ease of installation and maintenance.

LISTINGS — INDL is UL wet location listed standard and the EXTL is NEMA 4X, IP66 and NSF listed at 32-122°F (0-50°C). Meets or exceeds all applicable requirements for UL 924, NFPA 101 (current Life Safety code), NFPA 70 (NEC), NOM (Norma Oficial Mexicana), California Energy Commission Title 20 section 1605.3 (W)(4), FCC Title 47, Part 15, Subpart B and OSHA. List and labeled to comply with Canadian Standards C22.2 No. 141-10. Meets City of Chicago code.

BUY AMERICAN (EXTL and EXTLRE only) — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

† Small Battery Chargers Certified in the CA Title 20 Appliance Efficiency Database.



| |
|----------------|
| Catalog Number |
| Notes |
| Type |



Industrial LED Emergency Lights

INDL
Indura®
Wet Location



EXTL
Extreme®
NEMA 4X



MOUNTING

All dimensions are inches (centimeters) unless otherwise indicated.

INDL SP640L / SP1100L / SP2200L

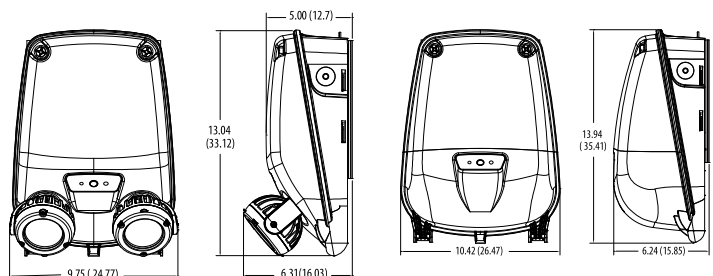
Specifications

Length: 9.75 (24.77)
Depth: 6.31 (16.03)
Height: 13.04 (33.12)
Weight of SP640L / SP1100L: 4.90 lbs (2.22kg)
Weight of SP2200L: 7.0 lbs (3.18kg)

EXTL SP640L / SP1100L / SP2200L

Specifications

Length: 10.42 (26.47)
Depth: 6.42 (16.85)
Height: 13.94 (35.41)
Weight of SP640L / SP1100L: 5.55lbs (2.52kg)
Weight of LP2200L: 7.65 lbs (3.47kg)



INDL-EXTL Industrial LED Emergency Lights

INDURA® WET LOCATION

ORDERING INFORMATION For shortest lead times, configure product using **bolded options**.

Example: INDL SP1100L UVOLT LTP SDRT

| Series | Lamp Type | Housing Color | Voltage | Battery Type | Automatic Testing | Options |
|---------------------------|--|---------------------|----------------------------------|-----------------------------------|---|--|
| INDL Indura® Wet location | SP640L 640 lumen, 6.6 watt, Spot distribution | (blank) Gray | UVOLT 120-347VAC, 50/60hz | LTP Lithium Iron Phosphate | SDRT Self-Diagnostics, Remote Testing AELR Automatic Emergency Lighting Reporting ² | (blank) Not Required |
| | SP1100L 1100 lumen, 10.6 watt, Spot distribution | | | | | HO High-Output Battery |
| | SP2200L 2200 lumen, 22 watt, Spot distribution ¹ | | | | | EHO Extra High-Output Battery CW Cold Weather (-30 - 50c) |

Notes

- 1 SP2200L lumen package only available with EHO option.
- 2 SDRT required. AELR transmits monthly and annual test results and diagnostics information for automated reporting requirements. Only available with LTP battery type.

INDURA® WET LOCATION REMOTE

ORDERING INFORMATION For shortest lead times, configure product using **bolded options**.

Example: INDRE SP1100L T

| Series | Lamp Type | Housing Color | Voltage | Number of Lamps |
|-----------------------------------|--|---------------------|---|----------------------------|
| INDRE Indura® Wet location remote | SP640L 320 lumen, 3.3 watt, Spot distribution, 5VDC-20VDC input @ (-40 - 55°C) | (blank) Gray | (blank) Universal DC Voltage (7-30VDC) | SGL Single |
| | SP1100L 550 lumen, 5.3 watt, Spot distribution, 7VDC-30VDC input @ (-30 - 50°C) | | | T Twin ¹ |
| | SP2200L 1100 lumen, 11 watt, Spot distribution, 7VDC-30VDC input @ (-30 - 50°C) | | | |

Notes

- 1 For twin (T) remote, multiply lumens and watts by 2.

EXTREME® NEMA 4X



ORDERING INFORMATION For shortest lead times, configure product using **bolded options**.

Example: EXTL SP1100L UVOLT LTP SDRT

| Series | Lamp Type | Housing Color | Voltage | Battery Type | Automatic Testing | Options |
|-----------------------|--|---------------------|----------------------------------|-----------------------------------|---|--|
| EXTL Extreme® NEMA 4X | SP640L 640 lumen, 6.6 watt, Spot distribution | (blank) Gray | UVOLT 120-347VAC, 50/60hz | LTP Lithium Iron Phosphate | SDRT Self-Diagnostics, Remote Testing AELR Automatic Emergency Lighting Reporting ² | (blank) Not Required |
| | SP1100L 1100 lumen, 10.6 watt, Spot distribution | | | | | HO High-Output Battery |
| | SP2200L 2200 lumen, 22 watt, Spot distribution ¹ | | | | | EHO Extra High-Output Battery CW Cold Weather (-30 - 50c) BAA Buy America(n) Act Compliant |

Notes

- 1 SP2200L lumen package only available with EHO option.
- 2 SDRT required. AELR transmits monthly and annual test results and diagnostics information for automated reporting requirements. Only available with LTP battery type. Not available with BAA option.

EXTL EXTREME® NEMA 4X REMOTE



ORDERING INFORMATION For shortest lead times, configure product using **bolded options**.

Example: EXTLRE SP1100L SGL

| Series | Lamp Type | Housing Color | Voltage | Number of Lamps | Options |
|--------------------------------|--|---------------------|---|---|---|
| EXTLRE Extreme® NEMA 4X Remote | SP640L 320 lumen, 3.3 watt, Spot distribution, 5VDC-20VDC input @ (-40 - 55°C) | (blank) Gray | (blank) Universal DC Voltage (7-30VDC) | SGL Single T Twin ¹ | BAA Buy America(n) Act Compliant |
| | SP1100L 550 lumen, 5.3 watt, Spot distribution, 7VDC-30VDC input @ (-30 - 50°C) | | | | |
| | SP2200L 1100 lumen, 11 watt, Spot distribution, 7VDC-30VDC input @ (-30 - 50°C) | | | | |

Notes

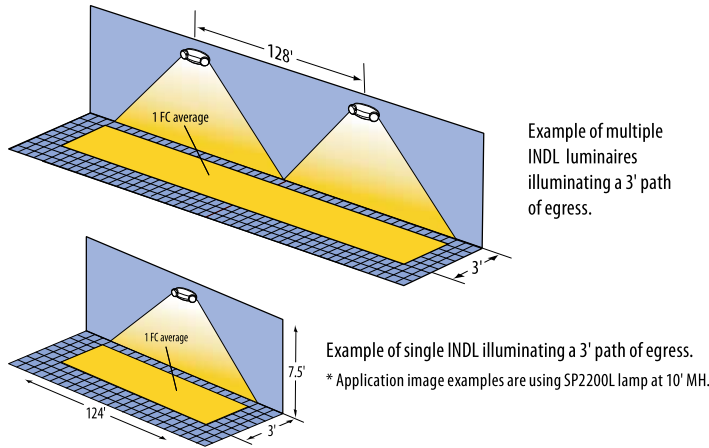
- 1 For twin (T) remote, multiply lumens and watts by 2.

Accessories: Order as separate catalog number.

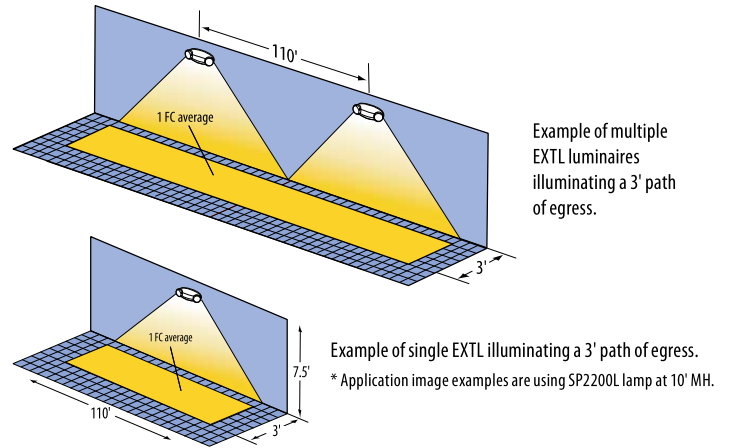
RTKIT Remote test kit, up to 40' away (includes goggles, laser and battery)

INDL-EXTL Industrial LED Emergency Lights

INDL SPACING GUIDELINES



EXTL SPACING GUIDELINES



| Maximum Spacing Guidelines — INDL SP640L | | | | | | |
|--|----------------------|-------------------|-------------------|--------------------|-------------------|---|
| Mounting Height | Illumination Level | Single Luminaire | | Multiple Luminaire | | Application Notes |
| | | 3' Path of Egress | 6' Path of Egress | 3' Path of Egress | 6' Path of Egress | |
| 7.5' | 1FC Avg ¹ | 58' | 56' | 63' | 57' | Open warehouse: 200'x15'x30' 10/10/10 reflectances |
| 10' | 1FC Avg ¹ | 56' | 50' | 59' | 54' | |
| 12' | 1FC Avg ¹ | 56' | 50' | 58' | 53' | |
| 16' | 1FC Avg ¹ | 52' | 48' | 54' | 50' | |
| 20' | 1FC Avg ¹ | 48' | 44' | 50' | 46' | |
| 24' | 1FC Avg ¹ | 44' | 40' | 46' | 42' | |

Notes:
1. Also meets the additional illumination requirements of NFPA 101: 1FC minimum and max/min ratio of 40:1.

| Maximum Spacing Guidelines — EXTL SP640L | | | | | | |
|--|----------------------|-------------------|-------------------|--------------------|-------------------|---|
| Mounting Height | Illumination Level | Single Luminaire | | Multiple Luminaire | | Application Notes |
| | | 3' Path of Egress | 6' Path of Egress | 3' Path of Egress | 6' Path of Egress | |
| 7.5' | 1FC Avg ¹ | 54' | 48' | 57' | 50' | Open warehouse: 200'x15'x30' 10/10/10 reflectances |
| 10' | 1FC Avg ¹ | 52' | 48' | 56' | 50' | |
| 12' | 1FC Avg ¹ | 48' | 42' | 50' | 45' | |
| 16' | 1FC Avg ¹ | 46' | 40' | 48' | 43' | |
| 20' | 1FC Avg ¹ | 42' | 38' | 44' | 40' | |
| 24' | 1FC Avg ¹ | 36' | 34' | 38' | 36' | |

Notes:
1. Also meets the additional illumination requirements of NFPA 101: 1FC minimum and max/min ratio of 40:1.

| Maximum Spacing Guidelines — INDL SP1100L | | | | | | |
|---|----------------------|-------------------|-------------------|--------------------|-------------------|---|
| Mounting Height | Illumination Level | Single Luminaire | | Multiple Luminaire | | Application Notes |
| | | 3' Path of Egress | 6' Path of Egress | 3' Path of Egress | 6' Path of Egress | |
| 7.5' | 1FC Avg ¹ | 76' | 74' | 82' | 75' | Open warehouse: 200'x15'x30' 10/10/10 reflectances |
| 10' | 1FC Avg ¹ | 76' | 72' | 79' | 75' | |
| 12' | 1FC Avg ¹ | 72' | 70' | 78' | 74' | |
| 16' | 1FC Avg ¹ | 68' | 66' | 73' | 69' | |
| 20' | 1FC Avg ¹ | 64' | 62' | 67' | 64' | |
| 24' | 1FC Avg ¹ | 60' | 58' | 63' | 60' | |

Notes:
1. Also meets the additional illumination requirements of NFPA 101: 1FC minimum and max/min ratio of 40:1.

| Maximum Spacing Guidelines — EXTL SP1100L | | | | | | |
|---|----------------------|-------------------|-------------------|--------------------|-------------------|---|
| Mounting Height | Illumination Level | Single Luminaire | | Multiple Luminaire | | Application Notes |
| | | 3' Path of Egress | 6' Path of Egress | 3' Path of Egress | 6' Path of Egress | |
| 7.5' | 1FC Avg ¹ | 69' | 67' | 72' | 67' | Open warehouse: 200'x15'x30' 10/10/10 reflectances |
| 10' | 1FC Avg ¹ | 69' | 62' | 72' | 66' | |
| 12' | 1FC Avg ¹ | 68' | 61' | 70' | 65' | |
| 16' | 1FC Avg ¹ | 62' | 60' | 66' | 62' | |
| 20' | 1FC Avg ¹ | 60' | 56' | 63' | 60' | |
| 24' | 1FC Avg ¹ | 54' | 54' | 58' | 55' | |

Notes:
1. Also meets the additional illumination requirements of NFPA 101: 1FC minimum and max/min ratio of 40:1.

| Maximum Spacing Guidelines — INDL SP2200L | | | | | | |
|---|----------------------|-------------------|-------------------|--------------------|-------------------|---|
| Mounting Height | Illumination Level | Single Luminaire | | Multiple Luminaire | | Application Notes |
| | | 3' Path of Egress | 6' Path of Egress | 3' Path of Egress | 6' Path of Egress | |
| 7.5' | 1FC Avg ¹ | 124' | 114' | 128' | 115' | Open warehouse: 200'x15'x30' 10/10/10 reflectances |
| 10' | 1FC Avg ¹ | 118' | 116' | 122' | 114' | |
| 12' | 1FC Avg ¹ | 120' | 116' | 121' | 114' | |
| 16' | 1FC Avg ¹ | 116' | 112' | 119' | 114' | |
| 20' | 1FC Avg ¹ | 112' | 108' | 115' | 111' | |
| 24' | 1FC Avg ¹ | 106' | 104' | 108' | 107' | |

Notes:
1. Also meets the additional illumination requirements of NFPA 101: 1FC minimum and max/min ratio of 40:1.

| Maximum Spacing Guidelines — EXTL SP2200L | | | | | | |
|---|----------------------|-------------------|-------------------|--------------------|-------------------|---|
| Mounting Height | Illumination Level | Single Luminaire | | Multiple Luminaire | | Application Notes |
| | | 3' Path of Egress | 6' Path of Egress | 3' Path of Egress | 6' Path of Egress | |
| 7.5' | 1FC Avg ¹ | 110' | 100' | 110' | 104' | Open warehouse: 200'x15'x30' 10/10/10 reflectances |
| 10' | 1FC Avg ¹ | 106' | 100' | 108' | 104' | |
| 12' | 1FC Avg ¹ | 104' | 100' | 108' | 104' | |
| 16' | 1FC Avg ¹ | 102' | 98' | 104' | 101' | |
| 20' | 1FC Avg ¹ | 98' | 94' | 104' | 100' | |
| 24' | 1FC Avg ¹ | 94' | 90' | 100' | 92' | |

Notes:
1. Also meets the additional illumination requirements of NFPA 101: 1FC minimum and max/min ratio of 40:1.

INDL-EXTL Industrial LED Emergency Lights

COMPATIBLE REMOTES

| BATTERY CAPACITY AND LOADING | | | | |
|-------------------------------------|----------------|--------------------------------|---------------------------------|---------------------------------|
| | Total Capacity | # of Remote SP640L Lamp Heads* | # of Remote SP1100L Lamp Heads* | # of Remote SP2200L Lamp Heads* |
| INDL SP640L / EXTL SP640L | 11W | 1 | 0 | 0 |
| INDL SP640L HO / EXTL SP640L HO | 20.5W | 4 | 2 | 1 |
| INDL SP640L EHO / EXTL SP640L EHO | 32W | 7 | 4 | 2 |
| INDL SP1100L / EXTL SP1100L | 11W | 0 | 0 | 0 |
| INDL SP1100L HO / EXTL SP1100L HO | 20.5W | 3 | 1 | 0 |
| INDL SP1100L EHO / EXTL SP1100L EHO | 32W | 6 | 4 | 1 |
| INDL SP2200L EHO / EXTL SP2200L EHO | 32W | 3 | 1 | 0 |

*In addition to the lamp heads on the product



MOUNTING

All dimensions are inches (centimeters) unless otherwise indicated.

INDRE SP640L SGL / T INDRE SP1100L SGL / T
Specifications

Length: 11.76 (29.9)
Depth: 4.63 (11.8)
Height: 7.02 (17.8)
Weight of SGL: 3.05 lbs
Weight of T: 3.65 lbs

INDRE SP2200L SGL / T
Specifications

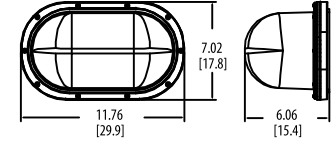
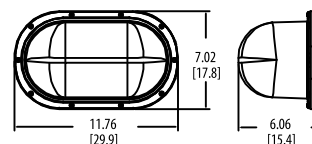
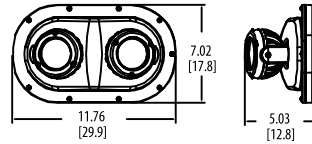
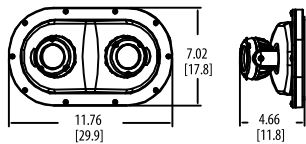
Length: 11.76 (29.9)
Depth: 5.03 (12.8)
Height: 7.02 (17.8)
Weight of SGL: 3.3 lbs
Weight of T: 4.25 lbs

EXTLRE SP640L SGL / T EXTLRE SP1100L SGL / T
Specifications

Length: 11.76 (29.9)
Depth: 6.06 (15.4)
Height: 7.02 (17.8)
Weight of SGL: 3.65 lbs
Weight of T: 4.25 lbs

EXTLRE SP2200L SGL / T
Specifications

Length: 11.76 (29.9)
Depth: 6.06 (15.4)
Height: 7.02 (17.8)
Weight of SGL: 4.9 lbs
Weight of T: 3.95 lbs



*SGL and T lamp head options use same mounting plate.

SPECIFICATIONS

| Lamp Wattage | |
|--------------|---------------------|
| Lamp Type | Watts per Lamp Head |
| SP640L | 3.3W |
| SP1100L | 5.3W |
| SP2200L | 11W |

| ELECTRICAL | | | | |
|----------------------------------|------------------------------|------------------|-------------------|-----------|
| Unit Type | Battery Type | Input Voltage(V) | Input Current (A) | Watts (W) |
| Cold weather- With Heater | Lithium Iron Phosphate (STD) | 120 | 0.108 | 12.84 |
| | | 347 | 0.087 | 15.2 |
| | Lithium Iron Phosphate (HO) | 120 | 0.157 | 18.69 |
| | | 347 | 0.119 | 23.57 |
| | Lithium Iron Phosphate (EHO) | 120 | 0.202 | 23.95 |
| | | 347 | 0.157 | 27.74 |
| Non Cold weather- Without Heater | Lithium Iron Phosphate (STD) | 120 | 0.028 | 2.72 |
| | | 347 | 0.041 | 3.84 |
| | Lithium Iron Phosphate (HO) | 120 | 0.042 | 4.56 |
| | | 347 | 0.043 | 6.62 |
| | Lithium Iron Phosphate (EHO) | 120 | 0.05 | 5.69 |
| | | 347 | 0.047 | 7.65 |

| Battery Capacity and Loading — Extended Run-Times | | |
|---|-------------------------|-------------------------|
| Battery Option | Total Capacity* 2 hours | Total Capacity* 4 hours |
| INDL | 8.25W | 4.125W |
| INDL HO | 15.37W | 7.68W |
| INDL EHO | 24W | 12W |
| EXTL | 8.25W | 4.125W |
| EXTL HO | 15.37W | 7.68W |
| EXTL EHO | 24W | 12W |

**Total capacity including the lamp types shipped standard on luminaire. SP640L LED lamp heads are 3.3 watts each, SP1100L LED lamp heads are 5.3 watts each, and the SP2200L LED lamp heads are 11 watts each.

| BATTERY | | | | | |
|------------------------|--|--------------------|---------------------------|--------------------------|----------------------------------|
| Lithium Iron Phosphate | | | | | |
| Type | Voltage | Typical Shelf Life | Typical Life ¹ | Maintenance ² | Temperature Range ^{3,4} |
| STD | 9.6V | 1 year | 6-8 years | none | 32°F - 122°F (0°C - 50°C) |
| HO | 9.6V | 1 year | 6-8 years | none | 32°F - 122°F (0°C - 50°C) |
| EHO | 12.8V | 1 year | 6-8 years | none | 32°F - 122°F (0°C - 50°C) |
| CW | 9.6V ⁵ , 12.8V ⁵ | 1 year | 6-8 years | none | -22°F - 122°F (-30°C - 50°C) |

Notes

- At 77°F ambient temperature, charge/discharge cycles and prolonged full discharge may reduce useful life.
- All life safety equipment, including emergency lighting for path of egress must be tested in accordance with all National Fire Protection Association (NFPA) and local codes. Failure to perform the required testing could jeopardize the safety of occupants and will void all warranties.
- Temperature range where unit will provide capacity for 90 minutes. Higher and lower temperatures affect life and capacity.
- Battery life is negatively impacted by many variables including temperature, charging rates, number of cycles and deep discharges due to long periods of time without AC power.
- CW battery type is compatible with 9.6V (STD and HO) and 12.8V (EHO) options.