

## 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.

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.

CCT: 5000K.

**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 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: Standard 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.

**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 damp 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.

**WARRANTY** — 5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/support/customer-support/terms-and-conditions](http://www.acuitybrands.com/support/customer-support/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®  
Damp Location



**EXTL**  
Extreme®  
NEMA 4X



## MOUNTING

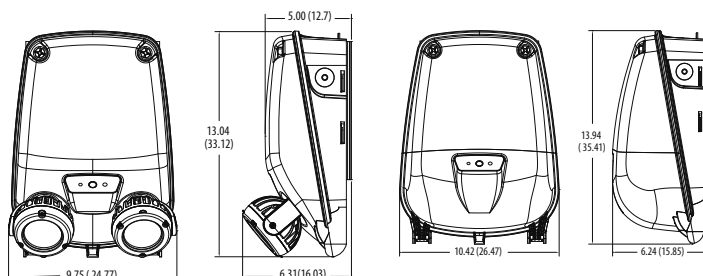
All dimensions are inches (centimeters) unless otherwise indicated.

### 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(16.30)  
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® DAMP 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® damp location | <b>SP640L</b> 640 lumen, 3.3 watt, Spot distribution               | <b>(blank)</b> Gray | <b>UVOLT</b> 120-347VAC, 50/60hz | <b>LTP</b> Lithium Iron Phosphate | <b>SDRT</b> Self-Diagnostics, Remote Testing | <b>(blank)</b> Not Required                                                               |
|                            | <b>SP1100L</b> 1100 lumen, 5.3 watt, Spot distribution             |                     |                                  |                                   |                                              | HO High-Output Battery                                                                    |
|                            | <b>SP2200L</b> 2200 lumen, 11 watt, Spot distribution <sup>1</sup> |                     |                                  |                                   |                                              | EHO Extra High-Output Battery<br>CW Cold Weather (-30 - 50c)<br>USPOM Assembled in the US |

#### Notes

1 SP2200L lumen package only available with EHO option.

## 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                    | Options              |
|-----------------------------------|--------------------------------------------------------|---------------------|-----------------------------------------------|------------------------------------|----------------------|
| INDRE Indura® WET location remote | <b>SP640L</b> 640 lumen, 3.3 watt, Spot distribution   | <b>(blank)</b> Gray | <b>(blank)</b> Universal DC Voltage (7-30VDC) | <b>SGL</b> Single<br><b>T</b> Twin | (blank) Not Required |
|                                   | <b>SP1100L</b> 1100 lumen, 5.3 watt, Spot distribution |                     |                                               |                                    |                      |
|                                   | <b>SP2200L</b> 2200 lumen, 11 watt, Spot distribution  |                     |                                               |                                    |                      |

## 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 | <b>SP640L</b> 640 lumen, 3.3 watt, Spot distribution               | <b>(blank)</b> Gray | <b>UVOLT</b> 120-347VAC, 50/60hz | <b>LTP</b> Lithium Iron Phosphate | <b>SDRT</b> Self-Diagnostics, Remote Testing | <b>(blank)</b> Not Required                                                               |
|                       | <b>SP1100L</b> 1100 lumen, 5.3 watt, Spot distribution             |                     |                                  |                                   |                                              | HO High-Output Battery                                                                    |
|                       | <b>SP2200L</b> 2200 lumen, 11 watt, Spot distribution <sup>1</sup> |                     |                                  |                                   |                                              | EHO Extra High-Output Battery<br>CW Cold Weather (-30 - 50c)<br>USPOM Assembled in the US |

#### Notes

1 SP2200L lumen package only available with EHO option.

## EXTL EXTREME® NEMA 4X REMOTE

### ORDERING INFORMATION

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

**Example:** EXTLRE SP1100L SGL

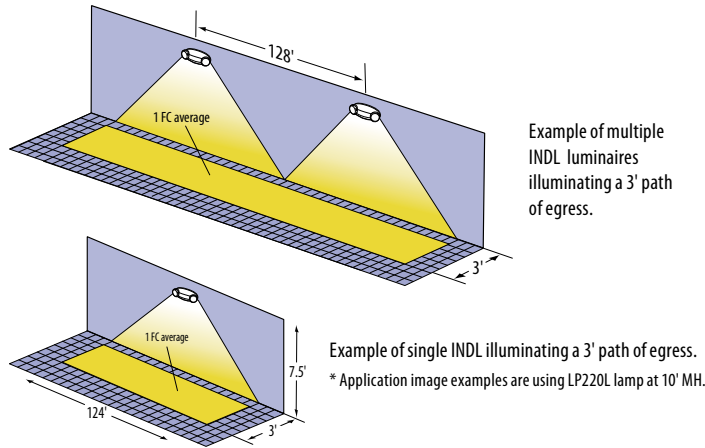
| Series                         | Lamp Type                                              | Housing Color       | Voltage                                       | Number of Lamps                    | Options              |
|--------------------------------|--------------------------------------------------------|---------------------|-----------------------------------------------|------------------------------------|----------------------|
| EXTLRE Extreme® NEMA 4X Remote | <b>SP640L</b> 640 lumen, 3.3 watt, Spot distribution   | <b>(blank)</b> Gray | <b>(blank)</b> Universal DC Voltage (7-30VDC) | <b>SGL</b> Single<br><b>T</b> Twin | (blank) Not Required |
|                                | <b>SP1100L</b> 1100 lumen, 5.3 watt, Spot distribution |                     |                                               |                                    |                      |
|                                | <b>SP2200L</b> 2200 lumen, 11 watt, Spot distribution  |                     |                                               |                                    |                      |

**Accessories:** Order as separate catalog number.

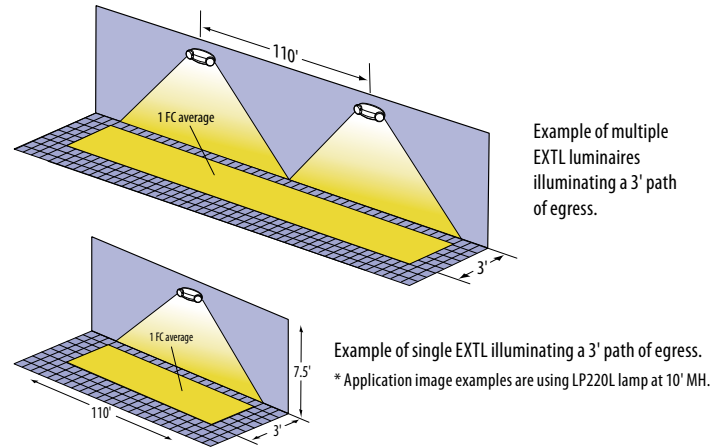
RTKIT Remote test kit, up to 40' away (includes goggles, laser and battery)

# 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 <sup>1</sup> | 58'               | 56'               | 63'                | 57'               | Open warehouse: 200'x15'x30' 10/10/10 reflectances |
| 10'                                      | 1FC Avg <sup>1</sup> | 56'               | 50'               | 59'                | 54'               |                                                    |
| 12'                                      | 1FC Avg <sup>1</sup> | 56'               | 50'               | 58'                | 53'               |                                                    |
| 16'                                      | 1FC Avg <sup>1</sup> | 52'               | 48'               | 54'                | 50'               |                                                    |
| 20'                                      | 1FC Avg <sup>1</sup> | 48'               | 44'               | 50'                | 46'               |                                                    |
| 24'                                      | 1FC Avg <sup>1</sup> | 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 <sup>1</sup> | 54'               | 48'               | 57'                | 50'               | Open warehouse: 200'x15'x30' 10/10/10 reflectances |
| 10'                                      | 1FC Avg <sup>1</sup> | 52'               | 48'               | 56'                | 50'               |                                                    |
| 12'                                      | 1FC Avg <sup>1</sup> | 48'               | 42'               | 50'                | 45'               |                                                    |
| 16'                                      | 1FC Avg <sup>1</sup> | 46'               | 40'               | 48'                | 43'               |                                                    |
| 20'                                      | 1FC Avg <sup>1</sup> | 42'               | 38'               | 44'                | 40'               |                                                    |
| 24'                                      | 1FC Avg <sup>1</sup> | 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 <sup>1</sup> | 76'               | 74'               | 82'                | 75'               | Open warehouse: 200'x15'x30' 10/10/10 reflectances |
| 10'                                       | 1FC Avg <sup>1</sup> | 76'               | 72'               | 79'                | 75'               |                                                    |
| 12'                                       | 1FC Avg <sup>1</sup> | 72'               | 70'               | 78'                | 74'               |                                                    |
| 16'                                       | 1FC Avg <sup>1</sup> | 68'               | 66'               | 73'                | 69'               |                                                    |
| 20'                                       | 1FC Avg <sup>1</sup> | 64'               | 62'               | 67'                | 64'               |                                                    |
| 24'                                       | 1FC Avg <sup>1</sup> | 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 <sup>1</sup> | 69'               | 67'               | 72'                | 67'               | Open warehouse: 200'x15'x30' 10/10/10 reflectances |
| 10'                                       | 1FC Avg <sup>1</sup> | 69'               | 62'               | 72'                | 66'               |                                                    |
| 12'                                       | 1FC Avg <sup>1</sup> | 68'               | 61'               | 70'                | 65'               |                                                    |
| 16'                                       | 1FC Avg <sup>1</sup> | 62'               | 60'               | 66'                | 62'               |                                                    |
| 20'                                       | 1FC Avg <sup>1</sup> | 60'               | 56'               | 63'                | 60'               |                                                    |
| 24'                                       | 1FC Avg <sup>1</sup> | 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 <sup>1</sup> | 124'              | 114'              | 128'               | 115'              | Open warehouse: 200'x15'x30' 10/10/10 reflectances |
| 10'                                       | 1FC Avg <sup>1</sup> | 118'              | 116'              | 122'               | 114'              |                                                    |
| 12'                                       | 1FC Avg <sup>1</sup> | 120'              | 116'              | 121'               | 114'              |                                                    |
| 16'                                       | 1FC Avg <sup>1</sup> | 116'              | 112'              | 119'               | 114'              |                                                    |
| 20'                                       | 1FC Avg <sup>1</sup> | 112'              | 108'              | 115'               | 111'              |                                                    |
| 24'                                       | 1FC Avg <sup>1</sup> | 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 <sup>1</sup> | 110'              | 100'              | 110'               | 104'              | Open warehouse: 200'x15'x30' 10/10/10 reflectances |
| 10'                                       | 1FC Avg <sup>1</sup> | 106'              | 100'              | 108'               | 104'              |                                                    |
| 12'                                       | 1FC Avg <sup>1</sup> | 104'              | 100'              | 108'               | 104'              |                                                    |
| 16'                                       | 1FC Avg <sup>1</sup> | 102'              | 98'               | 104'               | 101'              |                                                    |
| 20'                                       | 1FC Avg <sup>1</sup> | 98'               | 94'               | 104'               | 100'              |                                                    |
| 24'                                       | 1FC Avg <sup>1</sup> | 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

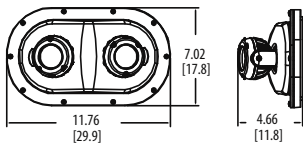


## MOUNTING

All dimensions are inches (centimeters) unless otherwise indicated.

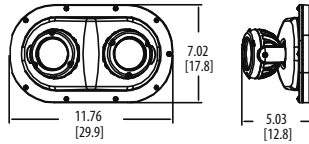
### INDRE SP640L SGL / T INDRE SP1100L SGL / T Specifications

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



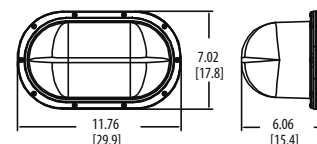
### INDRE SP2200L SGL / T Specifications

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



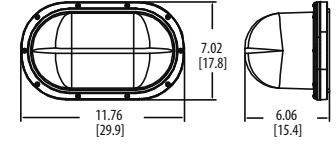
### EXTLRE SP640L SGL / T EXTLRE SP1100L SGL / T Specifications

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 <sup>1</sup> | Maintenance <sup>2</sup> | Optimum Temperature Range <sup>3,4</sup> |
| STD                    | 9.6V                                   | 1 year             | 7-9 years                 | none                     | 32°F - 122°F (0°C - 50°C)                |
| HO                     | 9.6V                                   | 1 year             | 7-9 years                 | none                     | 32°F - 122°F (0°C - 50°C)                |
| EHO                    | 12.8V                                  | 1 year             | 7-9 years                 | none                     | 32°F - 122°F (0°C - 50°C)                |
| CW                     | 9.6V <sup>5</sup> , 12.8V <sup>5</sup> | 1 year             | 7-9 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.
- Optimum ambient 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.