

FEATURES & SPECIFICATIONS

INTENDED USE — Provides minimum of 90 minutes of illumination for rated wattage upon loss of AC power. Unique design for heavy and demanding industrial applications such as manufacturing plants, refineries, chemical plants, wastewater treatment facilities, food processing facilities, breweries, loading docks, and other applications subject to wash-down or industrial conditions. Superior performance lamp heads are ideal for higher mounting heights.

CONSTRUCTION — U.S. Patent No. D505,222 - Design patent. Rugged, heavy-duty, polycarbonate clear housing lens and polycarbonate housing are sealed, gasketed, and corrosion-resistant. Unique vertical orientation is perfect for mounting to a pole, column, wall, I-beam or unistrut. Install with epoxy-coated, corrosion-resistant, 12-gauge steel mounting bracket shipped standard. Conduit entry points located on both sides of unit. U.S. Patent No. 6,135,624 - mounting bracket utility patent. Maintenance is easy with hinged front cover, printed circuit board mounting shelf and battery belt.

OPTICS — U.S. Patent No. 6,193,395 - lamp head utility patent. Full range of lamp options available from 9W to 50W in sealed-beam or composite versions of incandescent, krypton or halogen lamps. Composite lamps feature unique field adjustable beam spread (by turning lamp bezel). Standard lamp is 9W krypton for 6V and 12V. Standard lamp is 18W incandescent for 24V. Available with 5W linear pattern LED lamps from 6V to 12V.

ELECTRICAL — Brownout protection is a standard feature of self-diagnostics.

AC/LVD reset prevents battery damage from deep discharge.

Current limiting charger.

Dual voltage input capacity (120/277V).

Thermal protection prevents overheating and charger failure.

Thermal compensation provides optimum charge voltage relative to ambient temperature.

Battery: Sealed, maintenance-free, lead-calcium battery with capacity of 100W for 90 minutes of emergency operation of 6V, 12V or 24V units. Premium and Ultimate options offer high-temperature batteries (INDX618, INDX1236, INDX12100 only). UL listed from 32° F to 131° F (0° C to 55° C) (Premium) or -40° F to 131° F (-40° C to 55° C) (Ultimate).

Low-voltage disconnect prevents excessively deep discharge that can permanently damage battery.

Diagnostics: (US Patent No. 6,502,044). Single multi-color LED indicator displays two-state charging, test activation and three-state diagnostic status. Test switch provides manual activation of 30-second diagnostic testing for on-demand visual inspection. Self-diagnostic testing for five minutes every 30 days and 30 mins every 6 months. Self diagnostics with WRS, 5 mins every 30 days and 90 minutes annually. Diagnostic evaluation of LED light source, AC to DC transfer, charging and battery condition. Continuously monitors AC functionality. Load-learning capability self-calibrates to DC load at first test, enabling it to detect a lamp failure on future tests. It may be recalibrated at any time by holding down the test switch for 15 seconds.

Wireless Reporting System: Data from self-diagnostics will be communicated via wireless transceivers within their vicinity, creating a self-configuring, self-healing, and self-optimizing wireless network that exchanges the data between FIDO compatible emergency lighting fixtures on an event driven-basis.

Catalog Number
Notes
Type



INDX LP05VS

i INDURA
NEMA 4X Emergency Lighting Unit

INDX

6, 12 or 24 Volts

Sealed Lead-Calcium or Ni-Cad Battery



Wireless communications electronics to operate 2.4GHz mesh network are enclosed entirely within the fixture. **Must be ordered with FIDO edge router.**

INSTALLATION — WRS-Radio range is 500' between fixtures in most buildings. Actual performance may vary depending on application environment and electromagnetic interference.

LISTINGS — UL Listed. Meets UL 924, UL50, NFPA 101 (current Life Safety Code), NFPA 70-NEC, and OSHA illumination standards. Wet, NEMA 4, 4X rated. IP66 and NSF Listed. Meets all applicable FCC requirements.

WARRANTY — 3-year limited warranty. Complete warranty terms located at

www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Actual performance may differ as a result of end-user environment and application.

Note: Specifications subject to change without notice.

ORDERING INFORMATION For shortest lead times, configure product using standard options (shown in bold). **Example: INDX618**

Series	Housing color	Lamp type (2 heads)	Options
<u>6 Volts</u>	(blank) Gray W White	<u>6 Volts</u>	(blank) UL listed to 4X standards. For 50° F to 104° F (10° C to 40° C). XTRA Extra package features remote test and time delay. UL listed for 50° F to 104° F (10° C to 40° C). ⁴ SEL Select package features self-diagnostics, time delay, and audible failure indication. UL listed for 50° F to 104° F (10° C to 40° C). PREM Premium package features high-temperature ni-cad battery (INDX618 and INDX1236 only) or high-temperature lead calcium battery (INDX12100 only), self-diagnostics, time delay, audible failure indication. UL listed for 32° F to 131° F (0° C to 55° C). ⁵ ULT Ultimate package features heater, thermostat and battery blanket with a high temperature ni-cad battery (INDX618 and INDX1236 only) or high-temperature lead-calcium battery (INDX12100 only), self-diagnostics, time delay, and audible failure indication. UL listed for -40° F to 131° F (-40° C to 55° C). ⁵ WRS Lead calcium battery back-up and self-diagnostics, with FIDO wireless reporting system capability for 10° C to 40° C (50° F to 104° F) ⁸
INDX618 18W ¹ INDX654 54W ² INDX6100 100W		PAR36 Composite (blank) 9W/6V krypton H1206 12W/6V halogen H2006 20W/6V halogen PAR36 Sealed-Beam	
<u>12 Volts</u>	(blank) Gray W White	<u>12 Volts</u>	(blank) UL listed to 4X standards. For 50° F to 104° F (10° C to 40° C). XTRA Extra package features remote test and time delay. UL listed for 50° F to 104° F (10° C to 40° C). ⁴ SEL Select package features self-diagnostics, time delay, and audible failure indication. UL listed for 50° F to 104° F (10° C to 40° C). PREM Premium package features high-temperature ni-cad battery (INDX618 and INDX1236 only) or high-temperature lead calcium battery (INDX12100 only), self-diagnostics, time delay, audible failure indication. UL listed for 32° F to 131° F (0° C to 55° C). ⁵ ULT Ultimate package features heater, thermostat and battery blanket with a high temperature ni-cad battery (INDX618 and INDX1236 only) or high-temperature lead-calcium battery (INDX12100 only), self-diagnostics, time delay, and audible failure indication. UL listed for -40° F to 131° F (-40° C to 55° C). ⁵ WRS Lead calcium battery back-up and self-diagnostics, with FIDO wireless reporting system capability for 10° C to 40° C (50° F to 104° F) ⁸
INDX1236 36W ² INDX1254 54W ² INDX12100 100W ³ INDX12125 125W		PAR36 Composite (blank) 9W/12V krypton H1212 12W/12V halogen H2012 20W/12V halogen PAR36 Sealed-Beam H3512S 35W/12V halogen H5012S 50W/12V halogen	
<u>24 Volts</u>	(blank) Gray W White	<u>24 Volts</u>	(blank) UL listed to 4X standards. For 50° F to 104° F (10° C to 40° C). XTRA Extra package features remote test and time delay. UL listed for 50° F to 104° F (10° C to 40° C). ⁴ SEL Select package features self-diagnostics, time delay, and audible failure indication. UL listed for 50° F to 104° F (10° C to 40° C). PREM Premium package features high-temperature ni-cad battery (INDX618 and INDX1236 only) or high-temperature lead calcium battery (INDX12100 only), self-diagnostics, time delay, audible failure indication. UL listed for 32° F to 131° F (0° C to 55° C). ⁵ ULT Ultimate package features heater, thermostat and battery blanket with a high temperature ni-cad battery (INDX618 and INDX1236 only) or high-temperature lead-calcium battery (INDX12100 only), self-diagnostics, time delay, and audible failure indication. UL listed for -40° F to 131° F (-40° C to 55° C). ⁵ WRS Lead calcium battery back-up and self-diagnostics, with FIDO wireless reporting system capability for 10° C to 40° C (50° F to 104° F) ⁸
INDX24100 100W		PAR36 Composite (blank) 9W/24V incand. H2024 20W/24V halogen PAR36 Sealed-Beam N5024S 50W/24V incand. <u>LT24 LED</u> LP05VS Linear pattern 5W voltage-sensing 6V to 12V (not available with 24V)	

Accessories: Order as separate catalog number	
ELA RTT	Remote test transmitter (for use with XTRA package, remote test option) ⁴
ELA WG4/8	Wireguard ⁶
ELA BS	Banding Strip ⁴
ELA INDX CM1	Ceiling mount kit for INDX618 ⁷
ELA INDX CM2	Ceiling mount kit for INDX654/1236/1254 ⁷
FIDO	Emergency wireless reporting system edge router (see FIDO specification sheet for details)

NOTES:

- Ceiling-mount installations require ELA INDX CMI.
- Ceiling-mount installations require ELA INDX CM2 mounting kits.
- INDX12100 available with either the PREM, ULT or WRS package only.
- Must order a Remote transmitter (ELA RTT) sold separately. One per job required. See spec sheet [ELA-RTT-BS](#).
- Only available on INDX618, INDX1236 and INDX12100.
- See spec sheet [ELA-WG](#).
- For use with standard, XTRA, or SEL only. See spec sheet [ELA-IND-PM-CM-RHB-R3](#).
- Available on INDX12100 only. Not available with any other options.

INDX INDURA® NEMA 4X Emergency Lighting Units, 6/12/24 Volts

SPECIFICATIONS

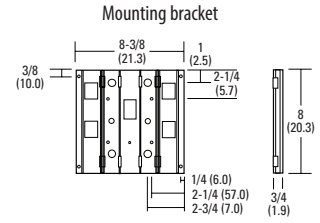
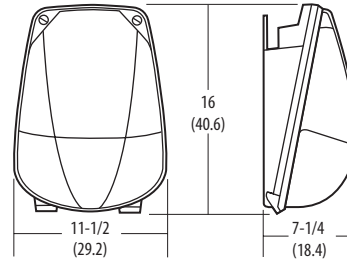
ELECTRICAL: Primary Circuit								
Type	Volts	AC Input Amps ¹	Watts	Output Volts	1-1/2 hrs.	2 hrs.	3 hrs.	4 hrs.
INDX618	120	.093	19.56	6	18	13.5	9	6
	277	.041	19.11					
INDX654	120	.171	20.64	6	54	40	27	20
	277	.073	20.78					
INDX6100	120	.144	20.52	6	100	75	50	37.5
	277	.062	20.22					
INDX1236	120	.174	18.24	12	36	27	18	13
	277	.078	17.73					
INDX1254	120	.174	20.88	12	54	40	27	20
	277	.078	21.61					
INDX12100	120	.160	20.88	12	100	75	50	37.5
	277	.072	20.55					
INDX12100 WRS	120	.174	20.88	12	100	75	50	37.5
	277	.074	21.61					
INDX12125	120	.160	20.88	12	125	93	62	46
	277	.072	20.55					
INDX24100	120	.33	39.6	24	100	75	50	37
	277	.15	41.55					

MOUNTING

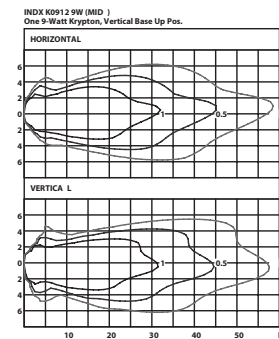
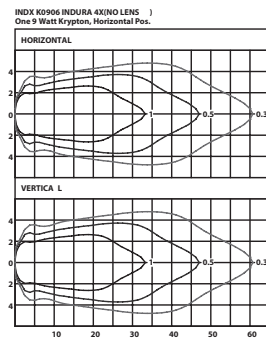
All dimensions are inches (centimeters).

Shipping weight:

INDX618 - 16 lbs. (7.3 kgs) INDX1254 - 20 lbs. (9.1 kgs)
 INDX654 - 20 lbs. (9.1 kgs) INDX12100 - 36.5 lbs. (16.6 kgs)
 INDX6100 - 28 lbs. (12.7 kgs) INDX12125 - 30 lbs. (13.6 kgs)
 INDX1236 - 20 lbs. (9.1 kgs) INDX24100 - 30 lbs. (13.6 kgs)



PHOTOMETRICS



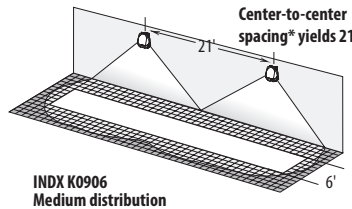
BATTERY

High-Temperature Nickel-Cadmium				
Voltage	Shelf life ²	Typical life ³	Maintenance ⁴	Optimum Temperature ⁵
6/12	3 yrs.	10 yrs.	none	32°-131°F (0°-55°C)
Lead-Calcium				
Voltage	Shelf life ²	Typical life ³	Maintenance ⁴	Optimum Temperature ⁵
6/12/24	1 yr.	5-8 yrs.	none	50°-104°F (-10-40°C)
High-Temperature Lead-Calcium				
Voltage	Shelf life ²	Typical life ³	Maintenance ⁴	Optimum Temperature ⁵
6/12/24	1 yr.	5-8 yrs.	none	32°-131°F (0°-55°C)

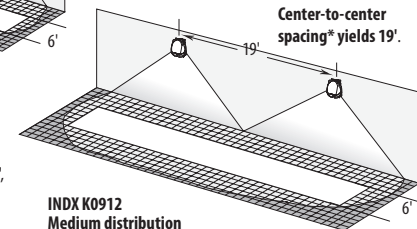
NOTES:

- 1 Add 0.3 amps, 31W for models with ULT option.
- 2 At 77°F (25°C).
- 3 Based on normal room temperatures and conditions.
- 4 All life safety equipment, including emergency lighting for path of egress must be maintained, serviced, and tested in accordance with all National Fire Protection Association (NFPA) and local codes. Failure to perform the required maintenance, service, or testing could jeopardize the safety of occupants and will void all warranties.
- 5 Optimum ambient temperature range where unit will provide rated capacity for 90 minutes. Higher and lower temperatures affect life and capacity.

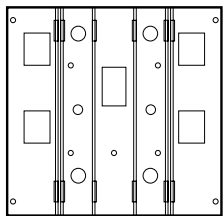
PERFORMANCE DIAGRAMS



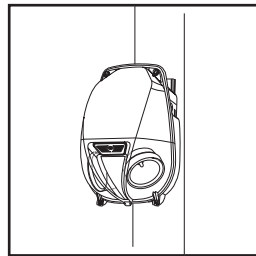
*NOTE: Meets Life Safety Code standard minimum illuminance of 0.1 FC and average illuminance of 1.0 FC. Assumes space of 200'L x 200'W, mounting height: 16', ceiling height: 30', and reflectances: 10/10/10. Analysis based on independently tested photometrics.



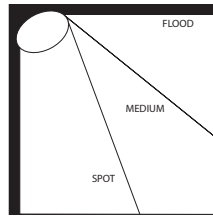
KEY FEATURES



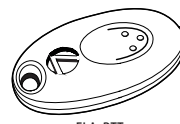
12-gauge epoxy-coated steel mounting bracket included with each unit.



Vertical orientation for pole or column mounting.



Field-adjusted beam pattern for composite lamps.



ELA RTT
Order remote transmitter separately.