

# FEATURES

## CONSTRUCTION

Rugged blue and gray (standard colors) .140" thick, injection-molded thermoplastic (large back housing is .187" thick, compression-molded composite).

Vertical orientation – designed especially for pole or column mounting. Also suitable for wall, I-beam and unistrut mounting. Ceiling and pendant mounting with optional equipment.

Quick-Mount® installation with one galvanized, 12-gauge steel mounting bracket shipped standard. Conduit entry points are located on top and both sides of the unit. Maintenance is made easy by tool-less re-lamp, single tool entry, hinging front cover, printed circuit board mounting shelf and battery belt.

Full range of lamp options are available from 9W to 50W in either incandescent or halogen sealed-beam or composite versions. Composite lamps feature unique field adjustable beam spread simply by turning the lamp bezel. Standard lamp is 9W incandescent.

**U.S. Patent No. D419,097, 6,135,624 and 6,193,395. Canadian Patent No. 2,283,091.**

## BATTERY

Batteries are sealed, maintenance-free, lead-calcium with wattage capacities ranging from 36 to 450W for 90 minutes of emergency operation. Also available in 6 and 24V versions.

HA option (High ambient - UL listed 68°F - 131°F) provides sealed, maintenance-free lead-calcium batteries for IND1250, IND12100, IND1250, IND12300.

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

## ELECTRONICS

AC/LVD reset allows battery connection before AC power is initially applied and prevents battery damage from deep discharge.

Brownout protection.

Current limiting charger maximizes battery life and minimizes energy consumption.

Thermal protection senses circuitry temperature and adjust charge current to prevent overheating and charger failure.

Thermal compensation adjusts charger output to provide optimum charge voltage relative to ambient temperature.

## DIAGNOSTICS (SD option)

Single multi-chromatic LED indicator to display 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 minutes every six months.

## Industrial Emergency Lighting Unit

# IND12

12-Volt  
Sealed Lead-Calcium Battery



**INDURA**

Diagnostic evaluation of lamp, AC to DC transfer, charging and battery condition.

Continuously monitors AC functionality.

Postpone automatic test initiates eight hour delay of an automatic test by activating the manual test switch.

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.

## LISTING

UL listed. Meets UL 924, NFPA 101, NEC and OSHA illumination standards.

## WARRANTY

Three year total customer satisfaction warranty.

## ORDERING INFORMATION

Example: **IND12150 H2012 SD OCS277**

Family	Housing color	No. of lamps	Lamp type	Options	Reloc <sup>9</sup>
12 Volts	(blank) Gray/blue	(blank) Two heads	<u>PAR36 Composite</u>	(blank) None	(blank) None
<b>IND1236</b> 36 watts	<b>B</b> Black	<b>RO</b> Less lamp heads	(blank) 9W/12V incand.	<b>SD</b> Self-diagnostics	<b>OCS120</b>
<b>IND1250</b> 50 watts	<b>W</b> Ivory white	<b>R3</b> Three heads <sup>2</sup>	<b>N1212</b> 12W/12V incand.	<b>RT</b> Remote test receiver <sup>3</sup>	<b>OCS277</b>
<b>IND12100</b> 100 watts			<b>N1812</b> 18W/12V incand.	<b>AV</b> Ammeter/voltmeter	
<b>IND12150</b> 150 watts			<b>H0812</b> 8W/12V halogen	<b>LD</b> Load disconnect <sup>4</sup>	
<b>IND12200</b> 200 watts			<b>H1212</b> 12W/12V halogen	<b>CW120</b> Cold weather(-40°C), 120V, damp location <sup>5</sup>	
<b>IND12250</b> 250 watts			<b>H2012</b> 20W/12V halogen	<b>CW277</b> Cold weather(-40°C), 277V, damp location <sup>5</sup>	
<b>IND12300</b> 300 watts			<u>PAR36 Sealed-beam</u>	<b>TD</b> Time delay	
<b>IND12400</b> 400 watts			<b>N1212S</b> 12W/12V incand.	<b>AFI</b> Audible failure indicator <sup>6</sup>	
<b>IND12450</b> 450 watts			<b>N1812S</b> 18W/12V incand.	<b>DL</b> Damp location(0° to 40°C) <sup>7</sup>	
			<b>N2512S</b> 25W/12V incand.	<b>CS</b> 3-foot cordset (120V only)	
			<b>N3512S</b> 35W/12V incand.	<b>CSP277</b> 3-foot cordset, NEMA L7-15P twist-lock plug, 277V input.	
			<b>N5012S</b> 50W/12V incand.	<b>CSP120</b> 3-foot cordset, NEMA L5-15P twist-lock plug, 120V input.	
			<b>H0812S</b> 8W/12V halogen	<b>HA</b> High ambient (55°C or 131°F) lead-calcium battery <sup>8</sup> .	
			<b>H1212S</b> 12W/12V halogen		
			<b>H3512S</b> 37W/12V halogen		
			<b>H5012S</b> 50W/12V halogen		

**Input voltage<sup>1</sup>**  
(blank) 120V/277V

**Accessories\***  
Order as separate item.

**ELA RTT** Remote transmitter

**ELA WG2M** Small wireguard (36-100W)

**ELA WGLG** Large wireguard (150-450W)

**ELA BS** Banding strap

**ELA IND R3** Pre-pack to install third head

**ELA IND PM** Pendant mount kit

**ELA IND CM2** Ceiling mount kit IND1236/50

**NOTES:**

- Other voltages available. Consult factory.
- Shipped as an accessory and field attached.
- Remote transmitter sold separately. One per job required.
- Available with 36-100W, but not in conjunction with SD, RT, AV, TD or AFI.
- Available with IND1250 and IND12150 units only.
- Available with SD option. AFI cannot be ordered with remote testing option.
- All damp location units must be de-rated by 20 percent.
- HA option- available on IND1250, IND12100, IND12150 and IND12300 units. Cannot be ordered with CW120, CW277 or DL options.
- Factory-installed with a three-foot OnePass® circuit selector.

\*See sheets UE-420, UE-460 and UE-465.

# IND12 Industrial Emergency Lighting Unit, 12-Volt, Indura

## SPECIFICATIONS

### ELECTRICAL

#### Primary Circuit

Type	AC Input			Output Volts	Watts Output			
	Volts	Amps	Watts		1-1/2hr.	2hr.	3hrs.	4hrs.
IND1236	120	.174	18.3	12	<b>36</b>	27	18	13
	277	.078	18.9		*(28.8)	(21.6)	(14.4)	(10.8)
IND1250	120	.174	18.3	12	<b>50</b>	37.5	25	18
	277	.078	18.9		*(40)	(30)	(20)	(14.4)
IND12100	120	.174	18.9	12	<b>100</b>	75	50	37.5
	277	.074	17.8		*(80)	(60)	(40)	(30)
IND12150	120	.359	33.4	12	<b>150</b>	112	75	56
	277	.168	36.1		*(120)	(89.6)	(60)	(44.8)
IND12200	120	.332	30.7	12	<b>200</b>	150	100	75
	277	.152	32.3		*(160)	(120)	(80)	(60)
IND12250	120	.260	23.3	12	<b>250</b>	187	125	93
	277	.140	27.0		*(200)	(149.6)	(100)	(74.4)
IND12300	120	.290	25.5	12	<b>300</b>	225	150	112
	277	.130	26.9		*(240)	(180)	(120)	(89.6)
IND12400	120	.334	31.2	12	<b>400</b>	300	200	150
	277	.158	34.3		*(320)	(240)	(160)	(120)
IND12450	120	.333	31.3	12	<b>450</b>	337	225	168
	277	.158	34.5		*(360)	(421)	(180)	(134)

\* Parentheses denote output of damp location products after de-rating 20%.

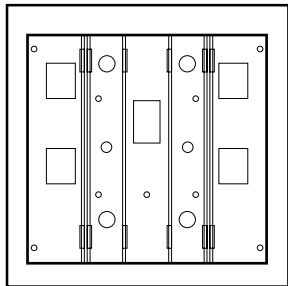
### BATTERY

#### Lead-Calcium

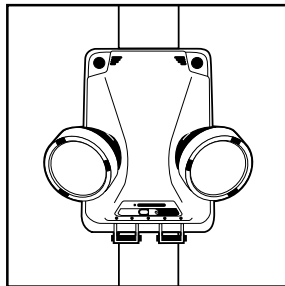
Voltage	Shelf life	Expected life <sup>1,2</sup>	Maintenance	Optimum temperature <sup>3</sup>
12	6 mos.	5-8 yrs.	none <sup>4</sup>	60°-90°F (16°-32°C)

- 1 Based on normal room temperatures and conditions.
- 2 HA option (UL listed to 68°F (20°C) - 131°F (55°C)) has a life expectancy of 13 years at the optimum temperature range. Reference Indura application guide for effects of higher and lower temperatures on battery life.
- 3 Optimum ambient temperature range where unit will provide rated capacity for 90 minutes. Higher and lower temperatures affect life and capacity.
- 4 Periodic system status test recommended.

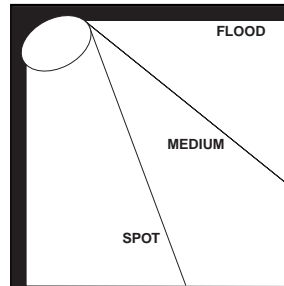
## KEY FEATURES



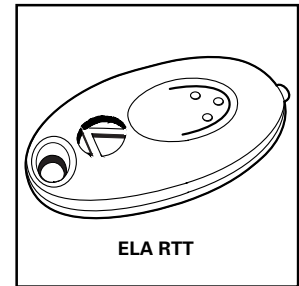
12-gauge steel mounting bracket included with each unit.



Vertical orientation for pole or column mounting.



Field-adjusted beam pattern for composite lamps.



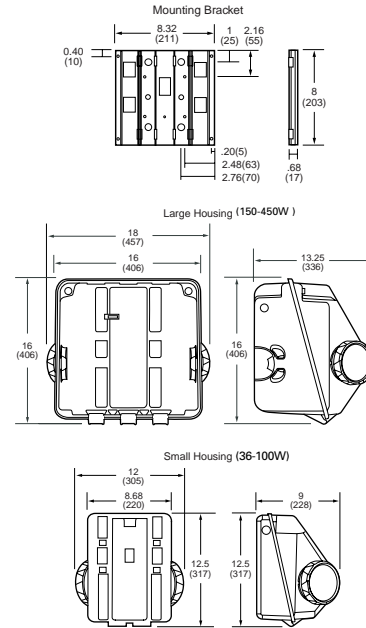
Order remote transmitter separately.

## MOUNTING

All dimensions are in inches (millimeters).

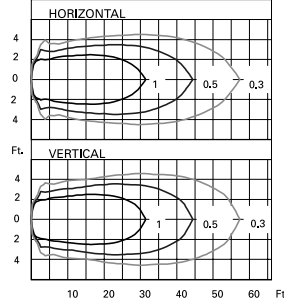
Shipping weight:

IND1236 - 18 lbs. (4.5 kgs.)  
 IND1250 - 18 lbs. (4.5 kgs.)  
 IND12100 - 26 lbs. (5.5 kgs.)  
 IND12150 - 45 lbs. (5.5 kgs.)  
 IND12200 - 48 lbs. (5.5 kgs.)  
 IND12250 - 55 lbs. (9.1 kgs.)  
 IND12300 - 71 lbs. (10.9 kgs.)  
 IND12400 - 78 lbs. (10.9 kgs.)  
 IND12450 - 92 lbs. (10.9 kgs.)



## PHOTOMETRICS

IND N0912FL  
 12-volts, 9-watts, incandescent PAR 36



Replacement Lamp #915