

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. 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 20W in either incandescent or halogen composite versions. Composite halogen lamps feature unique field adjustable beam spread by simply 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 100 to 450W for 90 minutes of emergency operation. Also available in 6 and 12V versions.

HA option (High ambient - UL listed to 68°F - 131°F) provides sealed, maintenance-free lead-calcium batteries for IND24300.

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.

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

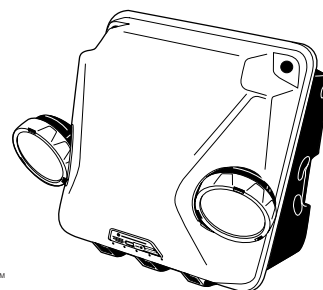
Continuously monitors AC functionality.

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

Industrial Emergency Lighting Unit

IND24

**24-Volt
Sealed Lead-Calcium Battery**



INDURA™

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: **IND24300 B H2024 SD OCS277**

Family	Housing color	No. of lamps	Lamp type	Options	Reloc ⁷
24 Volts	(blank) Gray/blue	(blank) Two heads	<u>PAR36 Composite</u>	(blank) None	(blank) None
IND24100 100 watts	B Black	R0 Less lamp heads	(blank) 9W/24V incand.	SD Self-diagnostics	OCS120
IND24300 300 watts	W Ivory white	R3 Three heads ²	N1824 18W/24V incand.	RT Remote test receiver ³	OCS277
IND24450 450 watts	Input voltage¹		H2024 20W/24V halogen	AV Ammeter/voltmeter	OCS347
	(blank) 120V/277V		<u>PAR36 Sealed-Beam</u>	TD Time delay	
			N5024 50W/24V incand.	AFI Audible failure indicator ⁴	
				DL Damp location(0° to 40°C) ⁵	
				CS 3-foot cordset (120V only)	
				CSP277 3-foot cordset, NEMA L7-15P twist-lock plug, 277V input.	
				CSP120 3-foot cordset, NEMA L5-15P twist-lock plug, 120V input.	
				HA High ambient (55°C or 131°F) lead-calcium battery ⁶ .	

Accessories*

Order as separate item.

- ELA RTT** Remote transmitter
- ELA WG2M** Small wireguard (100W)
- ELA WGLG** Large wireguard (300W and 450W)
- ELA BS** Banding strap
- ELA IND R3** Pre-pack to install third head

*See sheets UE-420 and UE-460.

NOTES:

- 1 Other voltages available. Consult factory.
- 2 Shipped as an accessory to be field installed.
- 3 Remote transmitter must be ordered separately. One per job required.
- 4 Only available with SD option.
- 5 All damp location units must be de-rated by 20 percent.
- 6 HA option available on the IND24300 only. Cannot be ordered with DL option.
- 7 Factory-installed with a three-foot OnePass® circuit selector.

IND24 Industrial Emergency Lighting Unit, 24-Volt, Indura

SPECIFICATIONS

ELECTRICAL

Primary Circuit

Type	AC Input			Output Volts	Watts Output			
	Volts	Amps	Watts		1-1/2hr.	2hr.	3hrs.	4hrs.
IND24100	120	.33	31.1	24	100	75	50	37
	277	.15	33.2					
	120	.755	41.7					
IND24300	277	.319	41.6	24	300	225	150	112
	277	.319	41.6					
	120	.755	41.7					
IND24450	277	.319	41.6	24	450	337	225	168
	277	.319	41.6					
	120	.755	41.7					

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

BATTERY

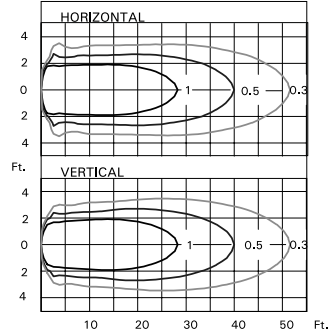
Lead-Calcium

Voltage	Shelf life	Expected life ^{1,2}	Maintenance	Optimum temperature ³
24	6 mos.	5-8 yrs.	none ⁴	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.

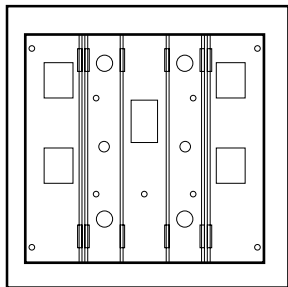
PHOTOMETRICS

IND N0924
24-volts, 9-watts, incandescent PAR 36

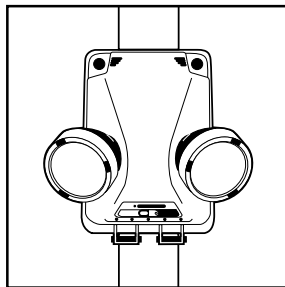


Replacement Lamp #HAS2409W

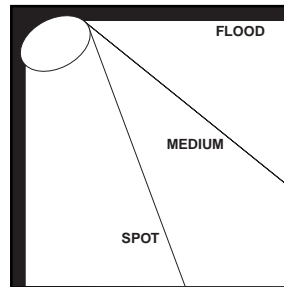
KEY FEATURES



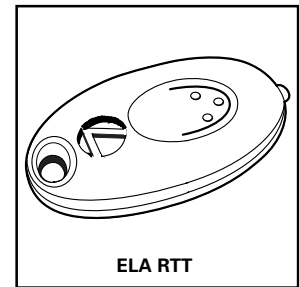
12-gauge steel mounting bracket included with each unit.



Vertical orientation for pole or column mounting.



Field-adjustable beam pattern for composite lamps.



Order remote transmitter separately.

MOUNTING

All dimensions are in inches (millimeters).

Shipping weight for panel:
IND24100 - 25 lbs. (11 kgs.)
IND24300 - 71 lbs. (32 kgs.)
IND24450 - 91 lbs. (41 kgs.)

