

## Industrial Emergency

### PRODUCT OVERVIEW

The LDT series of industrial emergency lighting units are designed for durability and dependability. The NEMA 12 gasketed steel housing can be used in areas that generate dust, lint, fibers, dripping water and condensation. The LDT is designed with the PulseGuard pulse switching charger. The PulseGuard offers superior performance and energy efficiency versus conventional constant voltage chargers. Traditional top mounted (LR) Par36 style heads are standard, (SR) Par18 style heads are optional.

### EXTERNAL SPECIFICATIONS

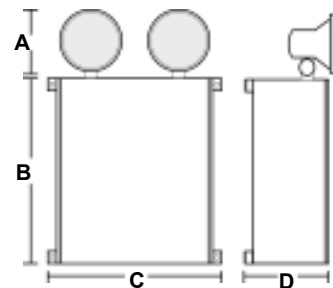
The LDT series is constructed with a 20 gauge steel cabinet. Magnum terminal connectors allow for larger gauge wires to be connected for remote loads. Industrial grey powder coat finish is standard. Emergency lighting heads are molded from high impact thermoplastic in a matching color; (LR) Par36 style are standard, (SR) Par18 style are optional. The LDT features integrated mounting feet that ensure positive and secure installations. External test switch & monitor LED are standard.

### LAMP SELECTION

6V TUNGSTEN:	standard: 9w, (H) halogen: 8w, 10w, 12w, 20w
6V SEALED BEAM:	(SB) standard: 9w, 12w, 18w (SBH) halogen: 12w, 20w
12V TUNGSTEN:	standard: 9w, 18w (H) halogen: 8w, 12w, 20w, *35w, (*LR only)
12V SEALED BEAM:	(SB) standard: 12w, 18w (H) halogen: 8w



### DIMENSIONS (in.)



Wattage	A"	B"	C"	D"
27W-100W	6"	12"	12.7"	5.4

### ORDERING INFORMATION

Series	Operation	Capacity	Heads	Lamp Type	Options
LDT	6 (volt DC)	27 (6v)	1SR (single Par18)	See Lamp	AT (auto-test diagnostics)
	12 (volt DC)	36 (6v, 12v)	2SR (double Par18)	guide above	NC (nickel cadmium battery)
		54 (6v, 12v)	1LR (single Par36)		VM (voltmeter)
	72 (6v, 12v)	2LR (double Par36)		AM (ammeter)	
	100 (6v, 12v)	0 (no heads)		TD (time delay - specify volt)	
					TP (tamper proof screws)
					FP (food prep lens)
					MH (metal heads Par36)
					IH (internal heater)
					CS (cord set)

EXAMPLE: LDT-6-54-2LR-20w(SBH)-VM  
 DESCRIPTION: LDT emergency luminaire, emergency only, 120/277, 6v, 54w, 20w(SBH) lamp, 2xpar36, voltmeter

**MECHANICAL SPECIFICATIONS**

The LDT is constructed from a solid and durable 20 gauge steel housing. The integrated mounting feet allow for direct and secure mounting to most surfaces. A fully gasketed and hinged front access panel allow for trouble-free installation and maintenance. Remote lamp loads are connected to the emergency power supply with sturdy magnum terminal connectors. These connectors allow for a large gauge of wire to be used increasing the flexibility of installation. The LDT is supplied standard in a durable industrial grey powder coat finish.

**CHARGER SPECIFICATIONS**

The LDT series utilizes a pulse switching charger that is up to 70% more efficient than traditional constant voltage chargers. The charger is a fully automatic current limited charger with solid state line-latched low voltage disconnect protection. All components used in the circuitry are temperature compensated. The charger also has brownout and short circuit protection. Charger status is easily determined via a dual diagnostic LED display which indicates AC/ON and High Charge. An external push button test switch allows maintenance personnel to quickly determine the operational status of the unit and lamp load.

**LAMP HEAD FEATURES**

The LDT series is normally supplied with two (2) top mounted (LR) Par36 style 9w heads. Optional (SR) Par18 style heads are available. Both lamp head styles are constructed of high impact thermoplastic in a color matching the finish of the cabinet (industrial grey is standard). Both head types feature a unique locking twist collar that securely holds the lens and facilitates quick and easy re-lamping. Please note: (LR) Par36 style metal heads and food-prep approved lenses are also available when ordering.

**INSTALLATION**

The LDT luminaire is suitable for surface wall or ceiling and pendant mounting. Suitable for NEMA 12 required installations on normally inflammable surfaces.

**BATTERY TECHNOLOGY**

The LDT series is designed with a maintenance free, sealed valve regulated lead acid battery that provides a minimum emergency duration of 90 minutes (for the listed rating). Recharge time of the battery is twenty-four (24) hours. The maximum working temperature is 50°C.

**MODEL RATING GUIDE**

Model	Voltage	Wattage				Cabinet
		90	120	180	240	
LDT-6-27	6	27	18	12	8	A
LDT-6-36	6	36	27	18	12	A
LDT-6-54	6	54	36	27	18	A
LDT-6-72	6	72	54	36	27	A
LDT-6-100	6	100	72	54	36	A
LDT-12-36	12	36	27	18	12	A
LDT-12-54	12	54	36	27	18	A
LDT-12-72	12	72	54	36	27	A
LDT-12-100	12	100	72	54	36	A

**AUTO-TEST**

The LDT auto-test feature automatically monitors the functional operation of the unit. Auto-test monitors the operation of the lamps, battery and circuitry and displays any alerts. Periodic emergency tests, up to ninety (90) minutes duration are simulated to ensure proper operation during an actual power failure. Operating status is visually indicated by multi-function LED indication.

**Certified by ETL or CSA to UL924 Standards.  
Nema 12**



**WARRANTY**

The LDT comes from the factory with an unconditional 5 year product warranty. Lamps are not covered.