

Job/Location: _____
 Contractor: _____
 Prepared By: _____

Job Type: _____
 Date: _____



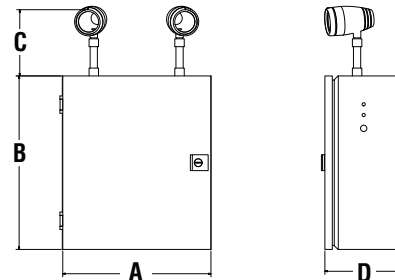
■ specifications: external

The **LDT** series are constructed with NEMA 12 fully gasketed 20 gauge steel cabinet and NEMA 4X SEA MR16 heads as standard. MR16 NEMA 4X SEA heads are constructed of die-cast aluminum that has been sealed against moisture infiltration. Four (4) integrated mounting holes ensure simple and secure installation. External test switch and monitor LED are standard. Industrial grey powder coat finish is standard.

■ specifications: mechanical

The front access panel/door is hinged for trouble-free installation and maintenance. Four [4] integrated mounting holes ensure simple, secure and accurate wall installation. Remote lamp loads are connected to the emergency power supply with sturdy terminal connectors. These connectors allow for a large gauge of wire to be used increasing the flexibility of installation. MR16 NEMA 4X SEA heads are standard, traditional top mounted (LR) Par36 style heads and Testa heads are optional. The **LDT** is supplied standard in an industrial grey fiberglass finish.

■ dimensions (in,mm.)



Cabinet	A	B	C ¹	D
#1	12" 305mm	10" 254mm	5" 127mm	6" 152mm

NOTE: Dimension of heads would vary depending on which ones are ordered.

■ ordering logic

Series	Operation	Pb-A (Capacity)	Ni-Cd ¹ (Capacity)	Emergency Heads	Lamps	Options
LDT	6 (Volt DC)	27 (6V)	22 (6V)	0 (None)	¹ See lamp guide	NC (Ni-Cd batteries, see guide)
	12 (Volt DC)	36 (6V, 12V)	42 (6V, 12V)	1SEA ² (one MR16 head)		AT (Auto-test self-diagnostics)
	24 (Volt DC)	60 (6V, 12V)	54 (6V, 12V)	2SEA ² (two MR16 heads)		AM (Ammeter)
		72 (6V, 12V)	90 (6V, 12V)	1TESRD (One head, HO)		VM (Voltmeter)
		100 (6V, 12V)	130 (12V)	2TESRD (Two heads, HO)		CS120 (cord set, 120V only)
		120 (6V, 12V)	100 (24V)	1TESSQ (One head, HO)		FP (food prep lens)
				2TESSQ (Two heads, HO)		IH ³ (Internal heater)
				1LR (One head)		TD ³ (10 min. time delay)
				2LR (Two heads)		FAI (fire alarm interface)
						IRT ⁴ (infrared testing)
						ACTB (terminal block AC)
						DCTB (terminal block DC)

NOTE 1 : Nickel-cadmium. Must select NC from options when selecting Ni.
 NOTE 2 : Heads are supplied standard weatherproof.
 NOTE 3 : Must specify AC voltage.
 NOTE 4 : HHC (controller for IRT) should be ordered separately (item code:476000021).

EXAMPLE: LDT-12-140-2SEA-7WLED-VM
 DESCRIPTION: LDT emergency only battery unit, 120/277/347V, 12VDC output, 140W for 90 minutes, 2 x 7W lamps, 2 NEMA 4X SEA heads, voltmeter.

■ installation

The **LDT** unit is suitable for surface wall mounting.

■ emergency heads

The **LDT** units are supplied with NEMA 4X SEA MR16 heads as standard. MR16 NEMA 4X SEA heads are constructed of die-cast aluminum that has been sealed against moisture infiltration. Standard lamp heads are constructed of high impact thermoplastic in a black color. When specified, the **LDT** units can be supplied with two [2] top mounted weatherproof PAR36 large style heads. The PAR36 large style head features a unique locking twist collar that securely holds the lens and facilitates quick and easy re-lamping. Optional black all rubber heads are also available with sealed beam lamps only. Teflon® coating of the lamp lens (which inhibits shattering) is available for food preparation areas.

■ specifications: electrical

BATTERY: The **LDT** 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 less than 48 hours. The maximum working temperature is 45° C. The minimum working temperature is 10°C. Nickel cadmium batteries are available as an option.

CIRCUIT: The **LDT** utilizes a high-efficiency two stage charger providing precise float voltage control with 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.

■ autotest

The **LDT** Autotest feature automatically monitors the functional operation of the unit. Autotest 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. The autotest system is also available with 0, 5, 10 or 20 minute time autotest delay function to allow HID lighting to restrike. IRT one button press tests unit for 90 minutes per code.

- Red: Battery or Circuit Malfunction
- Yellow: Lamp Malfunctioning
- Green: Normal Operation

■ lamp selection

	6V	12V	24V
Incandescent	7.2W, 9W	9W, 12W, 18W	9W, 18W
Halogen (H)	10W, 12W, 20W	12W, 20W, 55W (PAR36 Only)	10W, 12W, 20W, 50W
MR16	-	20W, 35W, 50W	-
MR16 LED	5W, 7W	2W, 5W, 7W	5W, 7W
TES	N/A	30W	30W

NOTE: Cabinet size may change based on configurations.

■ model rating guide Pb-A (Capacity)

Model	Voltage	Wattage			
		90min	120min	180min	240min
LDT-6-22	6	22	17	11	9
LDT-6-42	6	42	31	21	15
LDT-6-54	6	54	41	27	21
LDT-6-90	6	90	60	45	30
LDT-12-42	12	42	31	21	15
LDT-12-90	12	90	60	45	30
LDT-12-130	12	130	97	65	48
LDT-24-100	24	100	75	50	25

NOTE: Cabinet size may change based on configurations.

■ model rating guide Ni-Cd (Capacity)

Mode	Voltage	Wattage			
		90min	120min	180min	240min
LDT-6-27	6	27	20	14	10
LDT-6-36	6	36	27	18	13
LDT-6-60	6	60	45	30	22
LDT-6-72	6	72	54	36	27
LDT-6-120	6	120	90	60	45
LDT-12-36	12	36	27	18	13
LDT-12-60	12	60	45	30	22
LDT-12-140	12	140	105	70	52

NOTE: Cabinet size may change based on configurations.

■ warranty

The **LDT** comes with a 3-year factory warranty. Lamps are not covered under the warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.