



OPTIMA UNIT

6, 12 & 24V Dust-tight Battery Unit

Project Name: _____ Model Number: _____
Prepared By: _____ Date: _____

FEATURES & BENEFITS

- 6, 12 or 24V up to 360W
- Fully gasketed 20 gauge steel housing
- High-efficiency two stage charger
- NEMA 4X SEA MR16 heads are standard
- Hinged front access for easy installation
- Remote lamp loads are connected to the emergency power supply with sturdy terminal connectors
- CSA 22.2 No. 141-15 Performance Certified

MODEL RATING GUIDE

MODEL	VOLTAGE (OUTPUT)	VOLTAGE 30MIN	VOLTAGE 120MIN	CABINET
LDT-6-36	6	36	10	#2
LDT-6-50	6	50	15	#2
LDT-6-50-NC	6	50	18	#2
LDT-6-80	6	80	24	#2
LDT-6-90	6	90	27	#2
LDT-6-100-NC	6	100	35	#2
LDT-6-160	6	160	48	#2
LDT-6-180-NC	6	180	60	#2
LDT-12-36	12	36	10	#2
LDT-12-72	12	72	22	#2
LDT-12-90	12	90	27	#2
LDT-12-100-NC	12	100	35	#2
LDT-12-120	12	120	36	#2
LDT-12-150	12	150	45	#2
LDT-12-180	12	180	54	#2
LDT-12-200	12	200	60	#1
LDT-12-200-NC	12	200	65	#1
LDT-12-250	12	250	75	#1
LDT-12-360	12	360	108	#1
LDT-24-144	24	144	43	#2
LDT-24-180	24	180	54	#2
LDT-24-200-NC	24	200	65	#2
LDT-24-320	24	320	96	#1

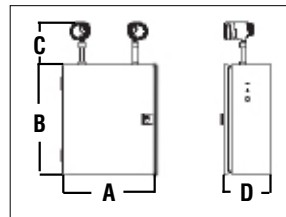
BATTERY TECHNOLOGY

Designed with a maintenance free, sealed valve regulated lead acid battery that provides a minimum emergency duration of 30 minutes (for the listed rating). Recharge time of the battery is 24 hours. The maximum battery operating temperature is +40°C and the minimum is +10°C.

BELUCE AUTO-TEST (AT)

The BeLuce auto-test system automatically performs one 5 minute discharge test monthly and every 6 months it performs two 30 minute discharge tests, 24 hours apart. This tests both full battery capacity and recharge capability.

DIMENSIONS



CABINET	A	B	C	D
1	356mm 14"	305mm 12"	152mm 6"	152mm 6"
2	305mm 12"	254mm 10"	127mm 5"	152mm 6"

LAMP SELECTION

	6V	12V	24V
Composite Tungsten	9W	9, 12, 18W	9, 18W
Quartz (Q)	12W	12, 20 (55W, PAR36 only)	N/A
LED-MR16	5, 7W	2, 5, 7W	5, 7W
MR16 ¹	N/A	50W	N/A
TESTA ²	N/A	5, 9, 14, 30W	5, 9, 14, 30W
Sealed Beam LED (PAR36 only)	N/A	6W	6W

¹MR16 not available in SR head; ²12-24V.

ORDERING GUIDE

LDT - - - - -

SERIES	OPERATION	CAPACITY	HEADS	LAMP TYPE	OPTIONS
LDT	6 (Volt DC) 12 (Volt DC) 24 (Volt DC)	See model rating guide	0 (None) 1SEA (one MR16 head) 2SEA (two MR16 heads) 1TESSQ (One head, HO) 2TESSQ (Two heads, HO) ² 1LR (One head) ² 2LR (Two heads)	See lamp selection	NC (Ni-Cd batteries, see guide) AT (Auto-test self-diagnostics) A (Ammeter) V (Voltmeter) LD (Lamp disconnect - internal) ¹ TD (10 min. time delay) WG (Wireguard) ³ TC (Teflon® coated lamp lens) TLP (Twist lock plug, 120V only) ¹ HTR (Internal heater) LC (120V line cord) HT (High operating temperature)

NOTE: ¹ AC voltage must be specified ² Heads are supplied standard weatherproof ³ Teflon® is a registered trademark of DuPont™.