

PRODUCT OVERVIEW

The HDT series of industrial emergency lighting units are designed to be durable, dependable and easy to install. The fully gasketed NEMA 4x rated carbon housing can be used in most damp, wet and hose down areas. The HDT has been designed with the PulseGuard pulse switching charger. The PulseGuard offers superior performance & energy efficiency versus conventional constant voltage chargers. Traditional top mounted (LR) Par36 style heads are standard.

EXTERNAL SPECIFICATIONS

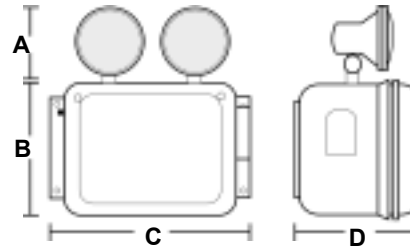
The HDT series is constructed with a durable NEMA 4x rated carbon cabinet. Industrial grey finish is standard. Emergency lighting heads are molded from high impact thermoplastic in a matching color; (LR) Par36 style heads are standard. Integrated mounting feet ensure proper and secure installation. The front access panel is hinged to allow for trouble free installation and maintenance. External test switch and 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 (SBH) halogen: 8w



DIMENSIONS (in.)



Wattage	A"	B"	C"	D"
27W-36W	6.2"	8"	10"	5"
54W-72W	6.2"	10"	12"	7"
100W	6.2"	12"	14"	7"

ORDERING INFORMATION

Series	Operation	Capacity	Heads	Lamp Type	Options
HDT	6 (volt DC)	27 (6v)	1LR (single Par36)	See Lamp	AT (auto-test diagnostics)
	12 (volt DC)	36 (6v, 12v)	2LR (double Par36)	guide above	NC (nickel cadmium battery)
		54 (6v, 12v)			VM (voltmeter)
		72 (6v, 12v)			AM (ammeter)
		100 (6v, 12v)			TD (time delay - specify volt)
				FP (food prep lens)	

EXAMPLE: HDT-12-100-2LR-35w(H)

DESCRIPTION: HDT emergency luminaire, emergency only, 120/277, 12v, 100w, 2xpar36, 35w halogen lamp.



Certified by ETL
or CSA to UL924
Standards.
NEMA 4X

HDT Technical Data

MECHANICAL SPECIFICATIONS

The HDT is constructed from a durable, fully gasketed NEMA 4x rated carlon housing. The front access panel is hinged for trouble-free installation and maintenance. Four integrated mounting feet ensure proper, secure and accurate wall or ceiling installation on to most surfaces. The HDT is supplied standard in an industrial grey carlon finish. External test switch and monitor LED standard.

CHARGER SPECIFICATIONS

The HDT series utilizes a pulse switching charger that is up to 70% more efficient than older 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 HDT series is normally supplied with two (2) top mounted (LR) Par36 style 9w heads. Lamp head styles are constructed of high impact thermoplastic in a color matching the finish of the cabinet (industrial grey is standard). Please note: (LR) Par36 style food-prep approved lenses are also available when ordering.

INSTALLATION

The HDT luminaire is suitable for surface wall or ceiling and pendant mounting. Suitable for NEMA 4x required installations on normally inflammable surfaces.

BATTERY TECHNOLOGY

The HDT 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
		30	60	120	240	
HDT-6-27	6	27	18	12	8	A
HDT-6-36	6	36	27	18	12	A
HDT-6-54	6	54	36	27	18	B
HDT-6-72	6	72	54	36	27	B
HDT-6-100	6	100	72	54	36	C
HDT-12-36	12	36	27	18	12	A
HDT-12-54	12	54	36	27	18	B
HDT-12-72	12	72	54	36	27	B
HDT-12-100	12	100	72	54	36	C

BEGHELLI AUTO-TEST (AT)

The HDT 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.

WARRANTY

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