

Date: 4/3/2024

Region: 4A

FAC ID: NY126

CSS No.: 95366

Maximo WO No.: 14276

Asset #: NA

Priority: Routine



Original Work Request:

Repair the interior lights in the training building supply area to include the vault light.

Description of Repairs Needed:

Labor and material to a.) replace (150) T5 LED ballast bypass bulbs, (8) 4' T5 battery backup bulbs 5K lumen, and (2) 2' x 2' LED panels with battery backup, and test them all for proper operation.

Labor:	Labor Hrs	Labor Rate	Total
Technician	100	\$ 100.00	\$ 10,000.00
		\$ -	\$ -

Material List:	Quantity	Cost	Total
T5 Led ballast bypass bulbs	150	\$ 10.97	\$ 1,645.50
4' T5 battery backup bulbs 5K lumen	8	\$ 154.00	\$ 1,232.00
2' x 2' LED panels with battery backup	2	\$ 256.00	\$ 512.00
Miscellaneous wire and hardware	1	\$ 124.00	\$ 124.00

Equipment List:	Quantity	Cost	Total
			\$ -
			\$ -
			\$ -

PM WO History:

NA

Estimate Summary:

Labor	Material	Equipment
\$ 10,000.00	\$ 3,513.50	\$0.00

Sub Total	G&A 12%	Fee 6%	Total Estimate
\$13,513.50	\$1,621.62	\$810.81	\$15,945.93

HUNOLD CONTRACTING INC.

72 PENDERGAST ROAD

PHOENIX, NY 13135

Cell # 315-247-5898

Customer:

Tidewater Attn: Julie

6625 Selmick Dr., Suite A

Elkridge, MD 21075

ESTIMATE**3/6/24**

Quantity	Description	Amount
1	CSS 95366, NY126 Chili, NY Repair interior lights as needed. Supply area, command common area and misc. areas. 72-2 bulb fixtures total. Wall switch and motion sensor integration. Ballast bypass except 2 drop in 2' x 2' fixtures. Material: (\$3513) 150-T5 LED ballast bypass bulbs (\$1645) 8- 4' T5 battery backup bulbs 5K lumen (8 @ \$154)(\$1232) 2- 2' x 2' LED panels with battery backup. 2@ \$256(\$512) Misc. wire and hardware (\$124) Labor: (100 hours @ \$100/ hr.) =\$10000	13513.00
Sub total		13513.00
Sales Tax		N/A
Total		13513.00

Signature_____ Date_____

Signature_____ Date_____



Emergency T5 (For On/Off Applications)

ALEDDRA

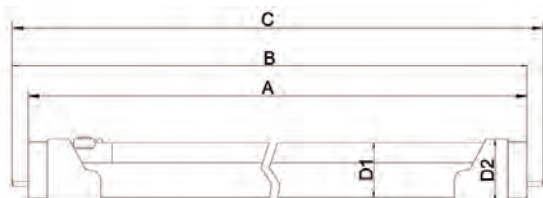


Specifications

Color	4000K and 5000K (other color made to order)
Wattage	22 W
Length	4ft
CRI	>80
Input Voltage	AC120-277V
Light Output	2900 lm
Power Factor	>0.9
Luminous Efficiency	>130 lm/W
Emergency Time	90 minutes
Light Output on Battery	420 lm at 4W
Battery Operating Temperature	14°F ~ 104°F
Rated Hours	50,000 hours
Warranty	5-year *

* The 5-year warranty is provided under the assumption of performing no more than two 90-min battery discharge tests annually over five years. The warranty is void if performing more than ten 90-min battery discharge tests in five years.

Dimensions



C: 45.7"
B: 45.5"
A: 45.2"

D1: 1.1" X 1.02"
D2: 1.25" x 1.1"

Features

- 2-in-1 tube: regular T5 lighting and emergency lighting
- Built-in lithium batteries
- Controllable by wall switch
- Easy battery shutoff switch for a long stocking time
- Supports On/Off lighting application
- Supports emergency-only lighting application (normally off)
- Patented (for details, please click [here](#).)

Product Compliance & Certifications:

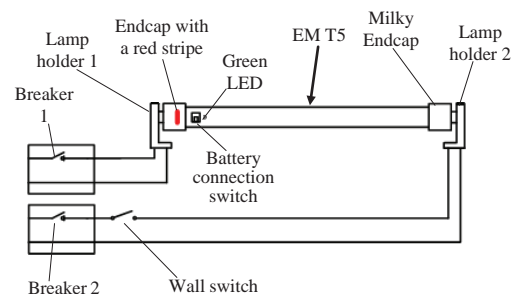
- 90 minutes battery time per industry standard
- DLC Listed
- ETL Certified

* The Emergency Tube meets the performance requirements of UL924 but not UL924 certified because it is an attachable emergency lighting equipment.

Description

Aleddra's Emergency T5 sets the new industry standard as the first Emergency T5 tube that is operable with the wall switch. With two single-end wired sockets, one endcap of the tube is connected to the emergency power line and another to the wall switch, thus making it easy to turn on and off the T5 through the wall switch. During power outage, the Emergency T5 automatically draws power from its built-in battery and lasts more than 90 minutes on battery at 420 lm.

Wiring Diagram



- Red-labeled endcap wired L & N to a constant-on circuit for charging the battery.
- White endcap wired L & N to a switched circuit for turning on/off the lamp.

Ordering Information

Product Model #	Wattage	Color	length
LLT-4-EM-T5-22W-40K	22W	4000K	4ft
LLT-4-EM-T5-22W-50K	22W	5000K	4ft

* No Aleddra Emergency tubes can be used with an emergency or standard ballasts. The existing ballasts must be removed or by-passed.

TOP FEATURES + NW ADVANTAGE

LIGHTING YOUR WORLD
NUWATT. 

4 FOOT T5 24W LED TUBE
 TYPE A/B + DUAL END G5 BASE
 5000K Color Temperature

LED POWER
 EQUIVALENT TO 32 WATT
 FLUORESCENT BULBS

TYPE A/B
 2 IN 1 APPLICATION

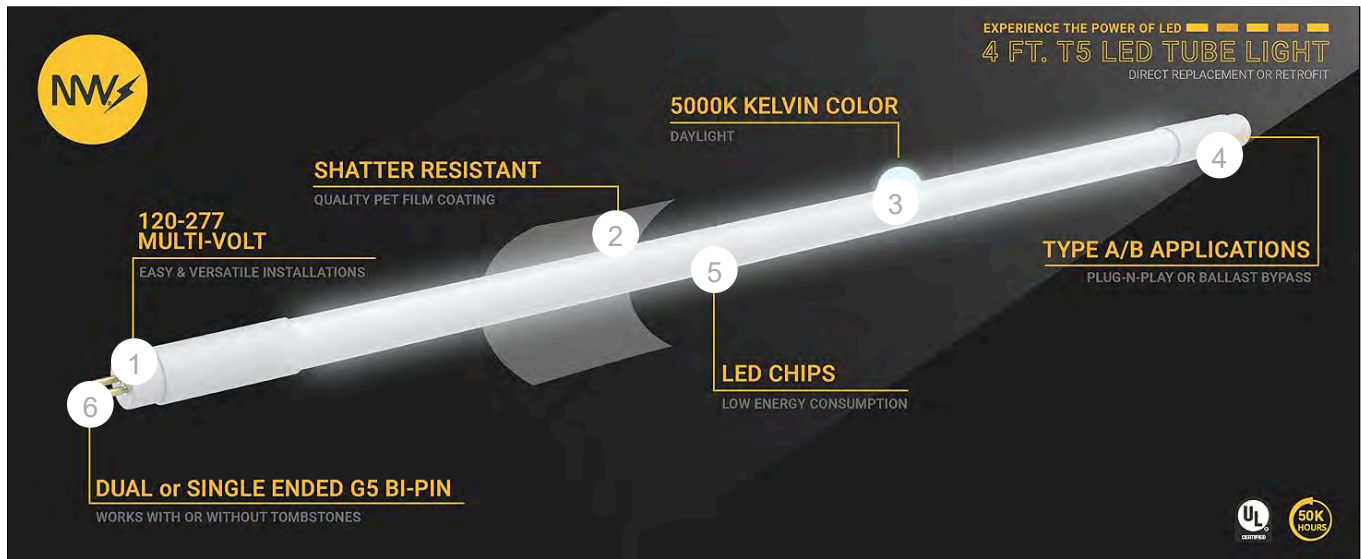
SHATTER RESISTANT

3200 LUMENS

Illuminate your spaces with unparalleled brilliance using the NuWatt 30 Pack T5 Hybrid Type A+B Light Tube. Engineered for optimal performance and adaptability, this 4-foot tube light is your ultimate solution for versatile lighting needs. Opt for a straightforward Plug & Play OR bypass the ballast.

Product In-Depth

The NuWatt 4 FT T5 Hybrid Type A+B LED Tube Light is built with a PET film coating that protects against shatters; Replace obsolete fluorescent Tube light bulbs and upgrade your lighting with this long-lasting, energy-efficient solution. Perfect for diverse applications. Enjoy superior brightness.



NuWatt Lights are Stylish & Versatile



Schools

Brighten educational spaces with the NuWatt 4FT 5000K T5 Tube Light. With a remarkable 50,000-hour lifespan, it's a long-lasting lighting solution



Hospitals

Illuminate healthcare settings with the NuWatt T5 4FT Tube Light. Ideal for hospitals and clinics, its 3200lm brightness ensures superb visibility.



Commercial Buildings

Optimize your lighting with the NuWatt T5 4FT Tube LED Type A & B. Versatile 120V-277V compatibility makes it perfect for commercial settings.



Work Shop / Garage

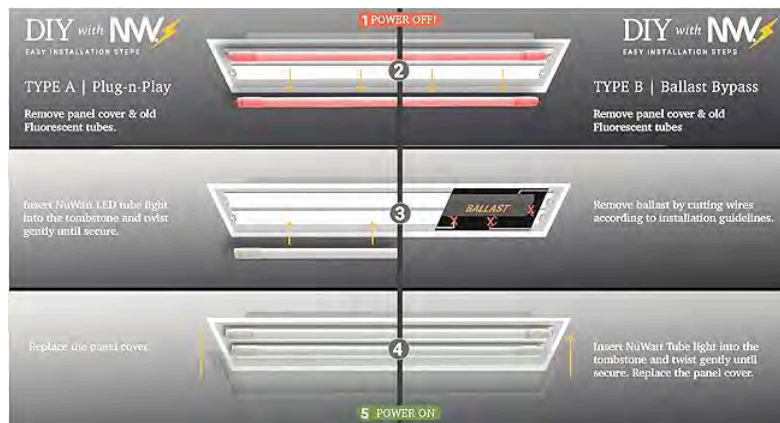
Revitalize your lighting with the NuWatt Tube Light's A+B Hybrid feature. Seamlessly compatible with both older and newer fixtures.

COMPETITIVE COMPARISON + INSTALLATION STEPS



Highest Quality Materials & Top Features

Discover the edge of NuWatt's 4FT T5 bulbs over competitors. While most are limited to 120V, ours excels with a 120-277V range. Our **A+B Hybrid** feature accommodates both plug-and-play and ballast bypass. NuWatt tube lights include a shatter-resistant film, **offering durability that competitors lack.**



Easy Installation + Local Call Support

Opt for effortless installation with the NuWatt Tube light bulbs T5 replacement. Boasting a **Versatile Plug & Play or Ballast Bypass**; it's never been easier to transition from old fluorescent bulbs. This is an all-in-one solution offering both **Type A + B** that will easily integrate with your fixtures