



Aladdin LED Tubes with High-Brightness LEDs offer a Fast and Safe Lighting Upgrade Solution

Replace T12 and T8 Tubes and Realize Energy Cost Savings.

LED Technologies

LED Retrofit for Fluorescent Tubes

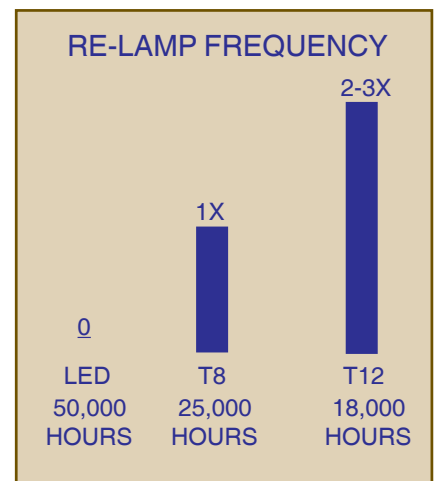
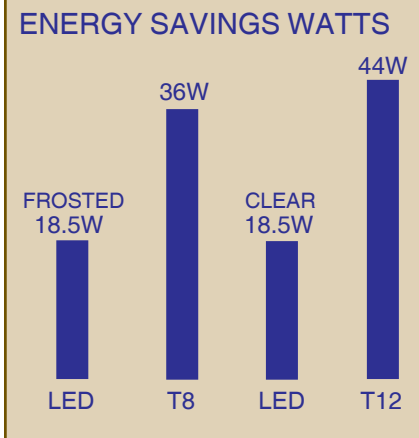
Lighting Solutions For Your Future.

Safe

- ETL Certified for UL and CSA Standards
- The First lights to obtain UL 1598B Retrofit Kit Certification through ETL for Fluorescent Tube Replacement
- IES LM-79 Tested; Lighting Facts Label

Long Lasting

- 50,000 Hours Operating Life
- Operating Range: -20^o C to +70^o C
- Operates 85VAC to 277VAC; No Ballast Required
- Saves 17.5 Watts Vs. T8 and 25.5 Watts Vs. T12 Installations
- LED Tube is Shatter Proof; V1 Rated (V0 Available)
- Virtually UV Free
- Available in 4200K & 5500K Color Temperatures
- Contains No Mercury, Lead, or Any Toxic Materials
- No Special Handling or Disposal





ALADDIN LED RETROFIT TUBES—4 FOOT

Grade	Part No.	Watts	Lumens	lu/W Ratio	Kelvin	CRI	Beam Pattern Degrees	Life Hours
STANDARD	LED 4T8/42/CL	18.5	1750	95	4200	76+	120	50,000
	LED 4T8/42/FR	18.5	1650	89	4200	76+	120	50,000
	LED 4T8/55/CL	18.5	1750	95	5500	76+	120	50,000
	LED 4T8/55/FR	18.5	1650	89	5500	76+	120	50,000

- NOTES:**
1. Photometric results from IES LM-79 test.
 2. Lamp life is derived from testing and modeling. Light output is estimated at 70% of initial lumens at end of life.
 3. ETL certified to meet the following UL Standards: UL 1993, UL Subject 8750, UL 1598B.
 4. Lamp specifications are subject to change without notice.

WARRANTY: 5 YEARS

LENGTHS: 2 and 8 Foot LED Lamps also available

COST SAVINGS PER EACH TUBE RETROFITTED

	CLEAR 18.5W LED vs. T12/44W		FROSTED 18.5W LED vs. T8/36W	
Annual Electric Consumption KWH	103.9	247.10	103.9	202.2
Annual Cost Electricity	\$10.90	\$25.95	\$10.90	\$21.23
Annual Electricity Savings	\$15.05		\$10.33	

LIFETIME—50,000 HOURS—COST SAVINGS

	CLEAR 18.5W LED vs. T12/44W	FROSTED 18.5W LED vs. T8/36W
Electricity Savings	\$133.95	\$ 91.94
Re-Lamping Savings	\$ 40.00	\$ 20.00
TOTAL SAVINGS	\$173.95	\$ 111.94
@ 1000 LAMPS	\$173,950	\$ 111,940

COST ASSUMPTIONS:

- 18 Hr. Day, 312 Days Year
- 10.5 Cents/KWH
- T8 System 36 Watt *
- T12 System 44 Watts *
- T8 25,000 Hours Life
- T12 18,000 Hours Life
- Re-Lamp Cost \$20 per Lamp

* NOTE: 4 Watt Ballast Loss Added