



HIGH OUTPUT™ T12 LED Retrofit Tubes

The NLI High Output™ T12 is the premium 360° H.O. retrofit LED tube available today.

- **Ballast Bypass. Replaces: F36T12HO, F48T12HO, F60T12HO, F72T12HO and F96T12HO**
- Use No Ballast with these T12 Retrofit LED Tubes.
- Built in Universal line voltage input driver. Range: (120v ~ 277v) (50HZ / 60HZ)
- This LED tube operates exclusively on direct line voltage input. (Optimal Format for all LED Tubes)
- Bypassing the ballast optimizes lamp life and efficiency and eliminates any ballast anomalies that may exist.
- Operating temperature range is -25°C ~ +40°C.
- Double End power option. (Single End or Double End power Input)
- Rotating end caps (90°) for precise tube positioning.
- Field Adjustable CCT. (4,000k, 5,000k, & 6,500k)
- Not for use with Dimmers or Emergency Fixtures
- Suitable for Outdoor Signs, Cold Temperatures, & Damp locations.



Specifications:

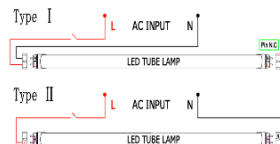
Model:	LED-T12HO Tube	Series:	T12-High Output™
Wattage:	12w, 18w, 24w, 30w, 36w		
Input Voltage:	Universal voltage driver 120VAC~277VAC		
Color Temp:	4,000k, 5,000k, 6,500k		
Lumens:	See chart at the bottom right of this sheet.		
Viewing Angle:	360 Degrees		
Operating Temp:	-25°C ~ +40°C	C.R.I. >	83
Life Hours:	50,000Hrs		
Diameter & Base:	1" Tube Diameter	Base:	R17d High Output
Replaces:	High Output T12 Fluorescent Tubes Pack: 10/Pack		

Qualifications:



Features & Special Data:

- Easy Installation with double power input option.
- Bypass the ballast operation. Use no ballast.
- Direct Voltage Input range is 120VAC~277VAC.
- LED tubes are labeled with power input information and instructions.
- Eliminates all potential problems with old or incompatible ballasts.
- Huge energy savings combined with Long Life and High Lumen Output.
- Field Selectable color temperature. Switch: 4,000k, 5,000k or 6,500k
- Perfect LED tube replacement for Signs, Coolers, & more.
- 3 Year Limited Warranty



Important Caution Notice:

It is critical to replace any damaged, broken, worn out or old lamp sockets before installing LED tubes. Failure to do so may result in electrical arcing or short which can lead to lamp failure. The condition of the lamp sockets should be determined solely by a qualified electrician trained in identifying lamp sockets in need of upgrade or replacement *before* converting to high end LED technology. Direct Wire retrofit method bypasses the existing ballast completely. By avoiding combining two different technologies, direct wire method effectively eliminates any possible anomalies or technical conflicts that might prevent the LED tube from achieving and operating at 100% of its designed values.

Applications and operating conditions vary greatly, and it is the responsibility of the installer or end user of the LED tube to verify that the part is compatible and suitable for their application. May not be suitable for use in fully enclosed fixtures including vapor tight fixtures.

Ordering:

NLI Ordering Code:

Model Number

LED-F36T12HO

Length Options:

36	36" • 12w • 1,750lm
48	48" • 18w • 2,500lm
60	60" • 24w • 3,300lm
72	72" • 30w • 4,150lm
96	96" • 36w • 5,050lm

Field Selectable CCT

4k/5k/65k

- 4k (4,000k)
- 5k (5,000k)
- 65k (6,500k)