



DESCRIPTION

Suitable for use with or without a ballast, these color selectable LED T12 hybrid tubes outperform and outlast traditional T12 fluorescent tubes.

FEATURES

- Frosted glass lens reduces visual glare
- Suitable for use in totally enclosed fixtures
- Instantaneous full light output upon power-up
- No rewiring or modifications of any kind required for plug-and-play (Type A) operation
- Can operate directly off line voltage for ballast bypass (Type B) operation; ballast must be removed and fixture rewired for single or double-ended operation during installation; see installation instructions for more information
- Solid state replacement for 4 ft. F40T12 tubes
- Delivers up to 137 Lumens per Watt for highly efficient performance
- Output varies depending on color temperature and installation method selected, see Selectable Table for full breakdown
- Operates on most T12 electronic (instant & programmed rapid start) and magnetic ballasts, and AC emergency ballasts as listed in compatibility list. See ballast compatibility sheet for full list of compatible ballasts.
- Color temperature can be adjusted using the slider switch on the end of the tube; see installation instructions for more information.

LISTINGS

- ETL Listed for damp locations
- NSF – PET Coating
- FCC

Project name	Type
Catalog number	
Comments	Voltage
Approved by	Date



WARRANTY

- 3-year limited warranty; see pltsolutions.com for warranty details

APPLICATIONS

- Office Lighting
- High Bays
- Industrial Strips
- Warehouses
- Stairwells
- Cold Storage

PERFORMANCE	Power Consumption*	16W
	CRI	83
	Beam	180°
	CCT*	3000K, 4000K, 5000K, 6500K
	LED L70 Life Hours @ 25°C	60000
ELECTRICAL	Power Factor	0.9
	THD	20%
	Input Voltage	120-277V
CONSTRUCTION	Operating Temperature	-4°F to 113°F (-20°C to 45°C)
	Base	Miniature Bi-Pin
	Lens	Frosted
LISTINGS	Certifications	ETL Listed; FCC; NSF
	Environment	Suitable for use in enclosed fixtures; Suitable for Damp Locations

*See Selectable Tables for full breakdown.

PERFORMANCE SUMMARY

Item #	Length	Watts*	CCT*	CRI	Beam	Envelope	Life/Hours
PLT-60053	4'	16W/ 18W	3000K/4000K/5000K/6500K	83	200°	Glass	60,000

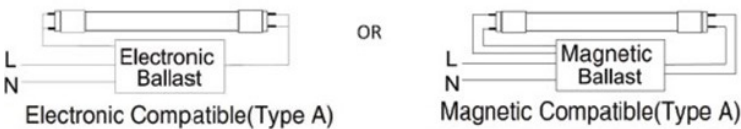
*See Selectable Table for full breakdown

SELECTABLE TABLE

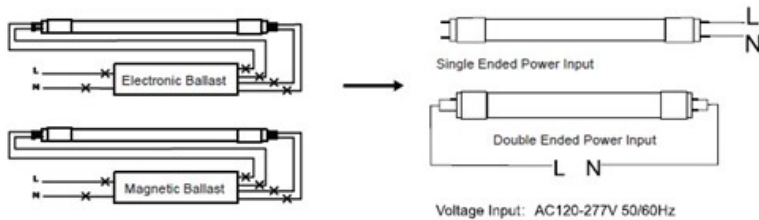
Installation	Voltage	Wattage	CCT	Lumens	Efficacy
Type A – Electronic Ballast (tested on IOPA-4P23N 2 lamps)	120V	18.5	3000K	2000	108
			4000K	2200	118
			5000K	2200	118
			6500K	2000	108
	277V	18.5	3000K	2000	108
			4000K	2200	118
			5000K	2200	118
			6500K	2000	108
Type A – Magnetic Ballast (tested on MB2x40/120RS 2 lamp)	120V	27.5	3000K	2500	91
			4000K	2800	102
			5000K	2800	102
			6500K	2500	91
Type B	120V	16	3000K	2000	125
			4000K	2200	137
			5000K	2200	137
			6500K	2000	125
	277V	16	3000K	2000	125
			4000K	2200	137
			5000K	2200	137
			6500K	2000	125

WIRING DIAGRAMS

TYPE A INSTALLATION



TYPE B INSTALLATION



DIMENSIONS

DIMENSIONS:

Length – 47.17"

Diameter – 1.5"



WARNINGS

- Review all installation instructions and confirm use of a compatible ballast before installing PLT LED T12 tubes (Type A installation)
- Use of an incompatible ballast, poor socket connection or other improper installation can result in reduced lamp lifetime, arcing or localized overheating
- Not for use with dimmers or dimming ballasts