



T5 LED Tubes (Type A+B Hybrid)

Plug & Play or Direct Wire

For: Replacement for T5 fluorescent lamp.



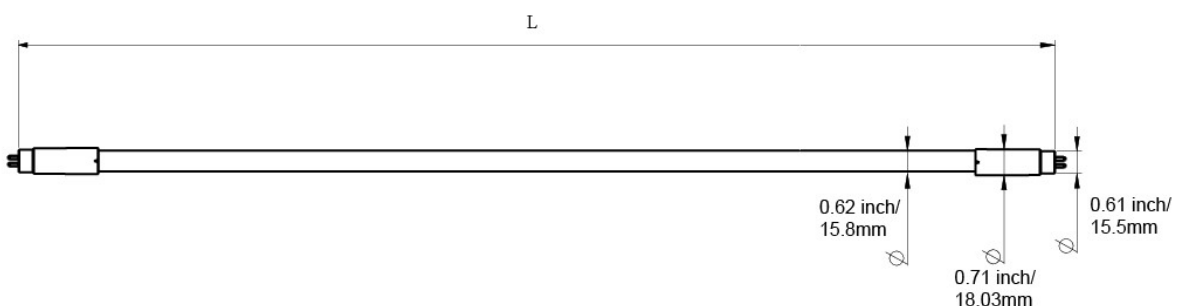
FEATURES AND BENEFITS

- Energy saving replacement for traditional T5 fluorescent lamps.
- Works with specific ballasts (see Ballast Compatibility List)
- 3-in-1: Ballast compatible, double-ended or single ended ballast bypass
- Current leakage protection; Passes UL1993 new standard.
- Safety: Constant current, constant power, and no ARC discharge when used with compatible HO ballast.
- Reduces energy consumption by up to 60%.
- Shatterresistant design.
- 2.5kV surge protection.
- LED L70 Life Hours @ 25°C - >60,000
- UL Damp Location rated; IP20; Suitable for use in enclosed fixtures

PRODUCT SPECIFICATIONS

Body	Glass with PET film coating
End cap	G5
Lens	Frosted
Input Voltage	120-277Vac, 50/60hz
Power Factor	>0.9
Available colors*	3000K/3500K/4000K/4100K/ 4500K/5000K/5700K/6500K
CRI	Ra83
Dimming	No
LED L70 Life Hours	60,000 Hours
Warranty	5 Years
Environmental Requirements	Operation Temp: -4~113 °F (-20~45°C) Storage Temp: -4~140 °F (-20~60°C) Relative Humidity: 45%-85% Non-corrosive environments
Size	L: 2ft: 21.61inch/ 549mm 3ft: 33.43inch/ 849mm 4ft: 45.24inch/ 1149mm

*Optional color temperatures available via Special Order. Please call 1-800-624-4488.





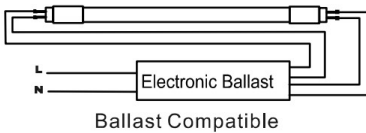
SPECIFICATION

Item No.	Power (Type B)	Power (Type A)	CCT	Lumen (Type B)	Lumen (Type A)	CRI	Voltage	PF	Beam Angle	Field Angle	Target Lamp
PLT-60032	12W	14W	3500K	1440lm	1440lm	Ra83	AC120-277V 50/60Hz	0.9	180°	270°	24W/24T5
PLT-60033	12W	14W	4000K	1500lm	1500lm						
PLT-60034	12W	14W	5000K	1500lm	1500lm						
PLT-60035	18W	20W	3500K	2160lm	2160lm	Ra83	AC120-277V 50/60Hz	0.9	180°	270°	39W/36T5
PLT-60036	18W	20W	4000K	2250lm	2250lm						
PLT-60037	18W	20W	5000K	2250lm	2250lm						
PLT-60038	24W	27.5W	3500K	3000lm	3300lm	Ra83	AC120-277V 50/60Hz	0.9	180°	270°	54W/48T5
NPS-00196*	24W	27.5W	4000K	3200lm	3300lm						
NPS-00197*	24W	27.5W	5000K	3200lm	3300lm						

*Special Order. Call 1-800-624-4488.

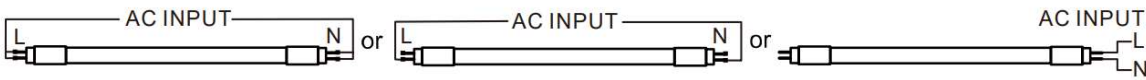
WIRING DIAGRAM:

TYPE A (Ballast compatible) - Assembly introduction:



TYPE B (AC directly, double-end or single-end ballast bypass) - Assembly introduction:

Case 1 Without dimming



Voltage Input: AC120-277V 50/60Hz

Ballast Compatibility List

T5 Type A+B 3FT

No.	Ballast Brand	Model No.	Start Type	Max Loading	Compatibility (Y/N)			
					1 lamp	2 lamps	3 lamps	4 lamps
1	KEYSTONE	KTEB-113-1-TP-SN-MB/A	Rapid start	1	Y	N/T	N/T	N/T
2	KEYSTONE	KTEB-108-1-TP-TP-FC /L	Programmed Start	2	Y	Y	N/T	N/T
3	KEYSTONE	KTEB-114-1-TP-TP-FC /P	Programmed Start	2	Y	Y	N/T	N/T
4	KEYSTONE	KTEB-213-1-TP-SL-MB	Programmed Start	2	Y	Y	N/T	N/T
5	Amax	HD8/13-120A	Rapid Start	1	Y	N/T	N/T	N/T
6	UNIVERSAL	B228PUNV-C	Programmed Start	2	Y	Y	N/T	N/T
7	UNIVERSAL	B254PUNV-D	Programmed Start	2	Y	Y	N/T	N/T
8	UNIVERSAL	B454PUNVHB-E	Programmed Start	4	Y	N/T	N/T	Y
9	GE	GE254MVPS90-A-L	Programmed Start	2	Y	Y	N/T	N/T
10	GE	GE454PS347/480-E	Programmed Start	4	N	N/T	N/T	Y
11	SYLVANIA	QTP 2x54T5HO/347-480 PSN HT	Programmed Start	2	N	Y	N/T	N/T
12	PHILIPS ADVANCE	ICN-2S54-T	Programmed Start	2	Y	Y	N/T	N/T
13	PHILIPS ADVANCE	ICN-2S54-N	Programmed Start	2	Y	Y	N/T	N/T
14	PHILIPS ADVANCE	ICN-2S54-90C-N	Programmed Start	2	Y	Y	N/T	N/T