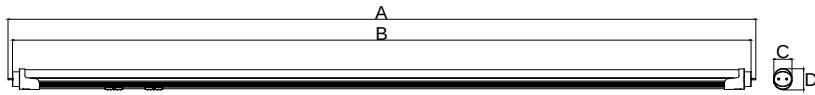


A + B Hybrid Tube



Maximum overall	A	B	C	D
4FT	1213mm	1198mm	28mm	32mm



FEATURES

Input voltage: AC100-277V

Operating frequency: 50/60Hz

Power factor: ≥ 0.90

Ambient temperature range: $-20^{\circ}\text{C} \sim +40^{\circ}\text{C}$

Color Temp: 3000K~6500K

THD: $<20\%$

IP Rating: IP20

CRI: $>80\text{Ra}$

Beam angle: 120°

Base: G13

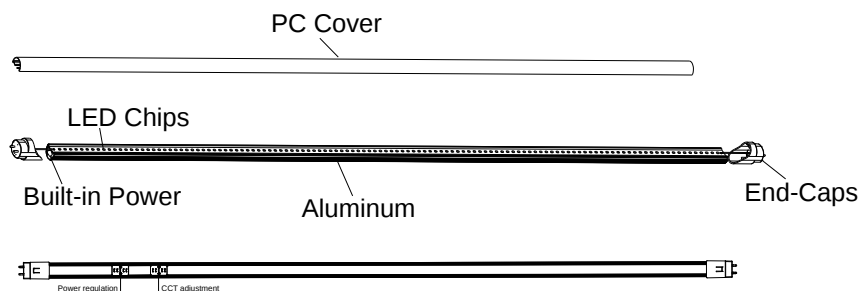
Cover: Clear, Frosted, Stripe

- Luminous Flux: $>130\text{lm/w}$
- Suitable for Damp Location
- Suitable to use in UL approved enclosed fixtures
- Available for Single Ended Power or Double Ended Power
- 5 years' warranty

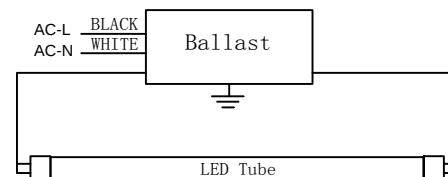
PARAMETER

Length (ft)	Product code	Certification	CRI	Wattage	CCT	Packing/carton	Weight/carton
4"	ZS-T8J1222X-CCDD	ETL/cETLus,	>80	12/15/18/22W Power adjustable	3000/3500/4000/5000/6500K CCT Tunable	1270×205×200mm 25pieces 1X40HQ Loading=33,075pcs	9kg
4"	ZS-T8J1213X-CC	ETL/cETLus,	>80	13W	3000-6500K	1270×205×200mm 25pieces 1X40HQ Loading=33,075pcs	8kg
4"	ZS-T8J1218X-CC	ETL/cETLus,	>80	18W	3000-6500K	1270×205×200mm 25pieces 1X40HQ Loading=33,075pcs	8kg





Single Installation Drawing



Electric Shock Attention

Ensure the power supply has been cut off before connecting the wire, and all wiring and installation of this product are required to be operated by professionals.

INSTALLATION INSTRUCTION

Compatible Ballast tube Installation

Applications:

- Widely used in hotels, bars, shopping malls, corridor restroom, Museum, exhibition hall, the gatehouse signs, warehouse, Home interior lighting, atmosphere etc.

Products Features:

- Product structure is diversity; there have circular tube, oval tube, fixed End-Caps, and Rotatable End-Caps, Fire Rating Level: V0;
- With High Quality, High Brightness 2835 LEDs;
- power supply with high efficiency constant current driver, 90% energy saving than incandescent, 60% energy saving than fluorescent;
- High quality diffusion covers/ clears cover, soft lighting, high rate lighting, and efficiency comprehensive than traditional fluorescent tubes;
- Green environmental protection, no ultraviolet, infrared, thermal radiation and mercury pollution;
- Fast response, no flicker, no glare, eye protection, total luminous flux output after lighting;
- Solid lighting source, strong shock resistance, easy to transport and install high safety.

WARNING

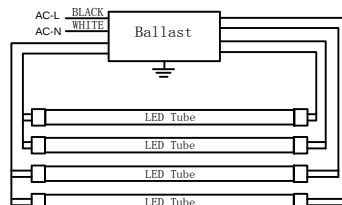
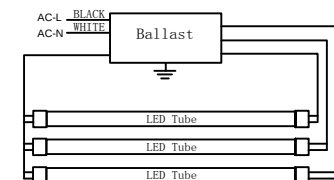
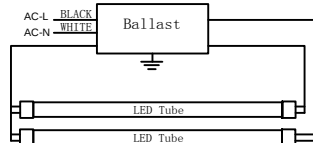
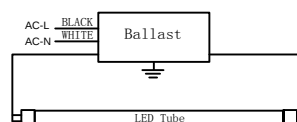
Ensure to cut off the power supply before installing, in case of high voltage electric shock.

Tube Using Precautions:

- Protection Level is IP20; it should avoid in the heat source, water vapor, corrosive environment.
- Please use with tubes of compatible electronic ballast, specific models please consult supplier or professionals.
- If pins are damaged, first it should be cut off the AC, replaced by the related professionals, in order to avoid danger such as short circuit or electric spark phenomenon;
- Please tear off the lamp surface protective film before installation; It must refer to installation instructions, And must make sure that contact is well with holder;
- No matter under what circumstances, tubes surface can't cover insulating materials or similar materials;
- Amateurs are not allowed to open and outfit LED tubes, and please avoid hands touch with surface when the tube light on.

Single Installation Drawing

More than one installation Drawing



Installation Steps :

- G13 light foot insert the bracket slot. Rotate 90° to check the tube give out light.
- 1.1. Cut off the AC before the Installation;
- 1.2. Check the ballast brand models; refer to the following list;
- 1.3. Load the tubes and check assemblies are ok and then turn on the AC

Brands	Models	Brands	Models
GE	GE - 232 - MV - PS - N	PHILIPS	IOPA - 2 P32 - N
	GE - 232 - 120 RES - B		IOPA - 3 P32 - N
	GE - 332 MV - N - DIY		ICN - 2540 - N
	GE - 432 MV - N		ICN - 2 P32 - N
ORSAM	QTP - 2 x 32 T8	TRIAD	B432 IUNVHP - A
	QHE - 3 x 32 T8	Others	

