



Product information

The VOTATEC Plug and play glass Tube is compatible with most of Instant start ballasts and programmed ballasts. These energy saving replacement offers safe, reliable and durable alternatives to replace directly the conventional linear fluorescents lamps without any extra effort or re-wiring.

Features

- Direct replacement (ballast compatible/play&plug).
- Input Voltage: 120-277V depend on ballast, 50/60Hz.
- Compatible with most electronic instant-start T8 ballasts and programmed start ballasts.
- CRI(Ra)>80, Beam Angle> 220°, light distribution>310°.
- 50,000 Hrs, 5 years warranty.

Electrical and Photometric Characteristics

Working temperature range:	-20°C ...+45°C
Starting time:	< 1 s
CRI:	≥80
Beam angle:	>220°
Dimmable:	Non-dimmable
IP Rating:	IP20
Base type:	G13
Color Temperature:	4000K,5000K

* Exceeding maximum ratings for operating temperature and input voltage will reduce expected life time or destroy the product.
All data subject to change without notice. Errors and omission excepted.
Always make sure to use the most recent release.



Certifications

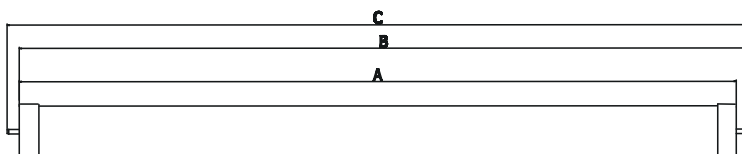


Specifications

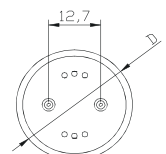
Item Number	Rated Wattage (W)	Length (mm)	CCT (Kelvin)	Rated Luminous flux (lm)	CRI (Ra)	Beam angle (Degree)	Dimming
LED T8 Glass Tube							
SYHU-T8GA1215M-40-A	15	1200	4000K	1779	>80	>220°	No
SYHU-T8GA1215M-50-A	15	1200	5000K	1840	>80	>220°	No
SYHU-T8GA1218M-40-A	18	1200	4000K	2299	>80	>220°	No
SYHU-T8GA1218M-50-A	18	1200	5000K	2400	>80	>220°	No

* All data are related to the entire product
Due to the special conditions of the manufacturing processes of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from the typical value.
For technical information of other CCT, please contact our sales representative.

Dimension Diagram



Maximum overall length (mm)	2ft	4ft
A	588	1198
B	595	1205
C	603	1213



Operation and Maintenance Tips

Store and use the lamps the same way as standard fluorescent lamps.

- Lamps should be kept free from contamination.
- Switch off mains supply before installing/removing lamp
- Good condition of the lamp-holder contacts is important to ensure proper operation of lamp.
- For direct wire please check the provided installation instructions.
- Use in fully enclosed fixtures may affect life performance
- Not for use in emergency lighting circuits.

Ballast List For T8 LED TUBE

1.Our tubes can be compatible with the ballasts listed below,if you intend to install ballast compatible tube with ballasts not be listed below, risk of damage or losses may occur.We disclaim liability for any damage or losses by not following the instructions in this document.

2.We are testing more and more ballasts and will update this list all the time.If you do not see your ballast on the list,please contact us.

SYLVANIA	
1	QHE 1x32T8/UNV ISN-SC
2	QHE 2x32T8/UNV PSX-MC
3	QHE 3x32T8/UNV ISL-SC
4	QTP 2x32T8/UNV ISL-SC
5	QT 2x32 T8/347 ISL-SC
6	QHE 4x32T8/347 ISN-SC
7	QHE 4x32T8/347 ISL-SC
GE	
1	GE232MAX-L/Ultra
2	GE432MAX-N/Ultra
3	GE332MAX-N/Ultra
4	GE232MAX347-N
5	GE432MAX347-N
6	GE232MAX-G-N
7	GE432MAX-G-N
8	GE432MAX-G-N-42T
9	GE332- MVPS-N
10	GE432- MVPS-N
11	GE432MV-N- 42T
12	GE432MAXP-L/ULTRA
13	GE 232-N-347
OSRAM	
1	QHE 2x32T8/UNV ISN-SC
2	QHE 2x32T8/UNV ISL-SC
3	QHE 2x32T8/UNV PSN-MC
4	QHE 3x32T8/UNV ISN-SC
5	QHE 3x32T8/UNV PSN-SC
PHILIPS	
1	ICN-2P32-N
2	ICN-3P32-N
3	ICN-4P32-N
4	IOP-4P32-LW-N
5	IOP-4PSP32-SC
6	IOPA-1P32-N
7	IOPA-4P32-N
8	IOPA-2P32-LW-N
9	IOP-3P32-N

ESPEN	
1	VE232MVHIPL
2	VE232MVHIPE
3	VE432MVHIPE
4	VE432MVHIPL
5	VE432120HIP
UNIVERSAL	
1	B332IUNVHE-A
2	B232IUNVEL-N
3	B332IUNVEL-A
4	B332PUNVHE-A
5	B4321UNVEL-A
TRIAD	
1	B232IUNVHP-N
2	B332IUNVHP-A
3	B432IUNVHP-A
4	B232IUNVHP-B
ADVANCE	
1	IOPA-4P32-LW-N
2	REL-2P32-SC
KEYSTONE	
1	KTEB-232RIS-1-TP-SL/G
HOWARD INDUSTRIES	
1	EP3/32IS/MV/MC/HE
Halco	
1	EP232IS/L/MV/HE
Pacific Fluorescent	
1	EB-232IS-120-RES
ACCUPRO	
1	AP-432IP-UNV
2	AP-332IP-UNV-M
Superior Lift	
1	70204
ULTRASAVE	
1	UT232120