LED SION

Hybrid Shatterproof Glass Tube

Date: _____ Location: _____

Product: _____ Project: _____

Quantity: _____ Catalog# _____

3CCT — 3500K / 4000K / 5000K

ETL Listed c us Intertek | DLC QPL LISTED PREMIUM | FC | 5 YEAR WARRANTY

FEATURES

- TYPE A and B design, can work with or without ballast.
- ShatterProof design, Thermal-fuse and protect IC inside
- Hybrid ballast Plug & Play runs on 120-277V line voltage
- Bapass ballast with Single- or double-ended wiring
- 50,000+ hour lifetime
- Suitable for dry and damp indoor locations
- Operating temperature -4°F to +113°F
- DLC PREMIUM Listed

SUITABLE APPLICATIONS

- Office Lighting
- Meeting room lighting
- Store lighting
- Restaurant lighting

CONSTRUCTION:

Shatterproof Glass housing,high lumen out Led Chip

OPTICAL SYSTEM:

High transmission glass lens,>140°beam angle

WARRANTY:

5-year limited warranty. Actual performance may differ as a result of end-user environment and application.

ELECTRICAL:

Available as 120-277V input. -40°F to +113°F

INSTALLATION&MOUNTING:

Hybrid Type A and B, Plug and play with current ballasts. or bypass ballast with Single- or double-ended wiring

PERFORMANCE

Model NO	Tunable Watts	Voltage/Current Input		Size(G13)	Light Efficiency	CCT
		120V(A)	277V(A)			
LS-T8UAB4FT18 -T35-XX	18W	0.15	0.064	4' LED T8 Tubes	>130LM/W	3500K-4000K-5000K
	15W	0.125	0.054	4' LED T8 Tubes	>130LM/W	3500K-4000K-5000K
	10W	0.10	0.043	2' LED T8 Tubes	>135LM/W	3500K-4000K-5000K

Hybrid Shatterproof Glass Tube

▷▷ Electric Characteristic

PRODUCT ORDERING GUIDE

LS-T8UAB4FT18-T35-XX
1   2   3   4   5   6

LS – T8U AB 4FT 18-T35-XX

☑ LS   LEDSION code

☑ T8U   T8 tubes Universal

☑ AB   Type A+B   ☑ 4FT   Size

☑ 18   Wattage   ☑ T35-XX   CCT 3500K-4000K-5000K

OPTIONAL EMERGENCY TUBE

Emergency LED TUBE Backup.
CODE: EMT8-18WBC-50K

▷▷ Electric Characteristic

Specification/Model	LS-T8UAB4FT18-T35-XX		
LED Driver	UL Driver	UL Driver	UL Driver
Input power	18W	15W	10W
Lumens output	＞2340LM	＞1950LM	＞1350LM
Efficiency	＞130LM/W	＞130LM/W	＞135LM/W
CRI	＞80	＞80	＞80
Color Temperature	3500K-4000K-5000K	3500K-4000K-5000K	3500K-4000K-5000K
Input voltage	120-277V/AC	120-277V/AC	120-277V/AC
Light distribution type	＞140D	＞140D	＞140D
Working temperature	-4°F to +113°F	-4°F to +113°F	-4°F to +113°F
Junction temperature	＜75℃	＜75℃	＜75℃
lamps efficiency	≥90%	≥90%	≥90%
Certificate	ETL cETL DLC	ETL cETL DLC	ETL cETL DLC
Equivalent	24-60W MH/HPS	24-60W MH/HPS	20-60W MH/HPS

▷▷ DIMENSION
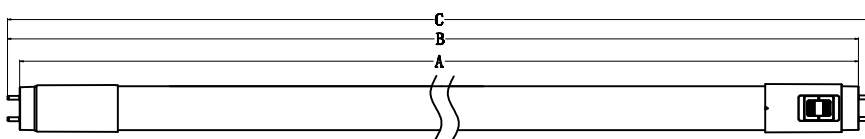
Maximum overall length (mm)	2ft	4ft
A	589.8	1199.4
B	596.9	1206.5
C	604	1213.6

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LIGHTING

▶ DISTRIBUTION DIAGRAM

18W

AVERAGE BEAM ANGLE(50%): 150°

Lumens:2340LM
Test Number:18W
Test Number:5000K

UNIT:CD
— C0/180,110.9
— C30/210,110.5
— C60/240,109.3.
— C90/270,109.1

15W

AVERAGE BEAM ANGLE(50%): 150°

Lumens:1950LM
Test Number:15W
Test Number:5000K

UNIT:CD
— C0/180,110.9
— C30/210,110.5
— C60/240,109.3.
— C90/270,109.1

10W

AVERAGE BEAM ANGLE(50%): 150°

Lumens:1350LM
Test Number:10W
Test Number:5000K

UNIT:CD
— C0/180,10.9
— C30/210,110.5
— C60/240,109.3.
— C90/270,109.1

Installastion Diagram

Installation Guide:

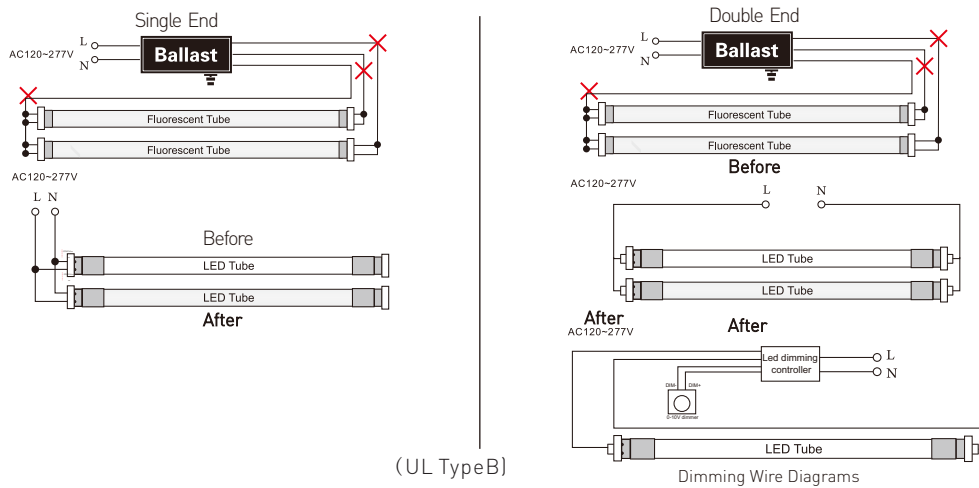| 1.Turn Off The Power	2.Fluorescent	3.Fluorescent	4.LED T8 Instant Fit	5.LED T8 Instant Fit	6.Turn On The Power
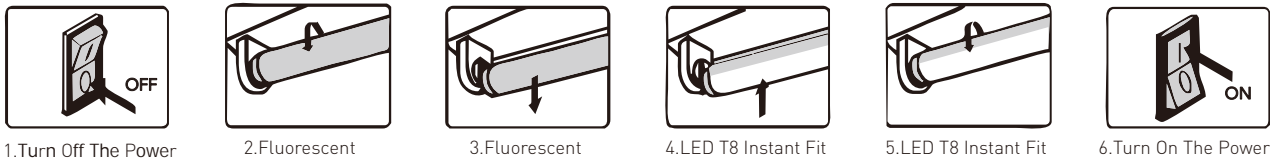
Plug & Play Procedure

1.Turn off the power.

2.Remove diffuser(if there is).

3.Remove the fluorescent tubes. Please dispose of these items properly as they contain mercury.

4.Select the appropriate CCT，then put led tube in the lightng fixture.

5.Install the led tubes, close the diffuser(if provided).

6.Turn on the power.

Before

AC120~277V L N
Electronic Ballast

Fluorescent Tube

Fluorescent Tube

After

AC120~277V L N
Electronic Ballast

LED Tube

LED Tube
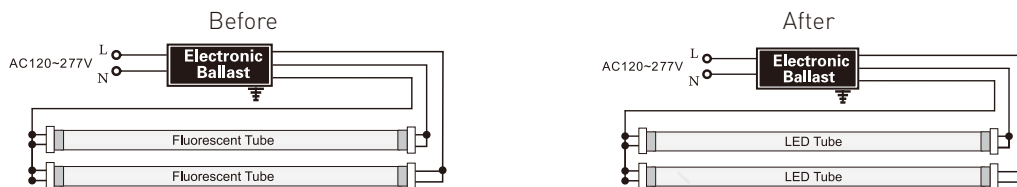
（UL TypeA）

Retrofit Procedure

1.Turn off the power.

2.Remove diffuser(if provided).

3.Remove the fluorescent tubes. Please dispose of these items properly as they contain mercury.

4.Cut the wires as shown in the diagram.

5.Make the new wire connect to branch circuit as shown.

6.Replace the cover over the wiring chanel.

7.Install the led tubes, close the diffuser.

8.Turn on the power.

Hybrid Shatterproof Glass Tube

Single End

AC120~277V

Ballast

Fluorescent Tube

Fluorescent Tube

AC120~277V

Before

LED Tube

LED Tube

After

（UL TypeB）

Double End

AC120~277V

Ballast

Fluorescent Tube

Fluorescent Tube

Before

LED Tube

LED Tube

After

AC120~277V

Led dimming controller

LED Tube

Dimming Wire Diagrams

WARNING

1.These LED Tubes should be installed by a licensed electrician.

2.These LED Tubes should be used indoors(damp or dry locations only).Not suitable for wet location.

3.Make sure tombstones/lampholder are still in good condition and not defected before installation.

4.Ensure the brand and model no. of the ballast of replacement tube are in our compatible ballast list.

5.Make sure the ballast is working and still under warranty before installation.

6.Put LED tubes/G13 pins into right position of the socket, install properly.

7.This device is not suitable for using with emergency exits.

8.These led tubes can not match with phase-cut dimmer or 0/1-10V dimmer directlv. please coordinate with customized 1-10V dimming driver to achieve dimming function.

9.Manufacturer is not liable for any damage to product or property due to improper installation.Please refer to the above lnstallation Instructions for reference.

Ballast Compatible List For T8 LED Tube

1.Our tubes can be compatible with the ballasts listed below,f 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.lf you do not see your ballast on the list please contact us.

	ACCUPRO		GE	11	GE132MAX-H/ULTRA
1	AP-432IP-UNV	1	GE232MAX-L/Ultra		Halco
2	AP-332IP-UNV-M	2	GE332MAX-N/Ultra	1	EP232IS/L/MV/HE
	ADVANCE	3	GE232MAX347-N		HOWARD INDUSTRIES
1	IOPA-4P32-LW-N	4	GE432MAX347-N	1	EP3/32IS/MV/MC/HE
	ESPEN	5	GE232-MVPS-N		KEYSTONE
1	VE232MVHIPLE	6	GE332-MVPS-N	1	KTEB-232RIS-1-TP-SL
2	VVE232MVHIPE	7	GE432-MVPS-N	2	KTEB-232RIS-1-TP-SL/Ga
3	VE432MVHIPE	8	GE432-120RESDIYB		OSRAM
4	VE432MVHIPLE	9	GE-240-RS-MV-N	1	QHE 2x32T8/UNV ISN-SC
5	VE432120HIP	10	GE232-N-347	2	QHE 3x32T8/UNV ISN-SC

3	QHE 3x32T8/UNV PSN-SC	3	QTP 2x32T8/UNV ISL-SC	1	B332IUNVHE-A
PHILIPS		4	QTP 2x32T8/UNV ISN-SC	2	B432IUNVHE-A
1	ICN-2P32-N	5	QQT 4X32/120 LP	3	B232IUNVEL-N
2	ICN-3P32-N	6	QT 2x32 T8/347 ISL-SC	4	B332IUNVEL-A
3	IOP-4P32-LW-N	7	QHE 4x32T8/347 ISN-SC	5	B232IUNVHEH-A
4	IOPA-1P32-N	8	QHE 4x32T8/347 ISL-SC	6	B332PUNVHE-A
5	IOPA-4P32-N	**TRIAD**		7	B4321UNVEL-A
6	IOPA-2P32-LW-N	1	B232IUNVHP-N	**WORK HORSE**	
7	IOP-3P32-N	2	B332IUNVHP-A	1	WH3-120-C
SYLVANIA		3	B432IUNVHP-A	2	WH3-120-L
1	QHE 1x32T8/UNV ISN-SC	4	B232IUNVHP-B	**Pacific Fluorescent**	
2	QHE 3x32T8/UNV ISL-SC	**UNIVERSAL**		1	EB-232IS-120-RES