



# LED Tube Ballast Compatibility



Last Updated 10 October 2022

# How to identify your LED Tube?

## Tube Diameter

All LED Tubes, regardless of driver type, have a designation for their size using the letter “T” and then a number which is the diameter of the LED tube measured in eighths of an inch.

T5	5/8”	diameter
T8	1”	diameter
T12	1-1/2”	diameter

This is the easiest first step to help narrow the identity of the LED tube you have

## Information on Tube Label / Back of Package

On the LED Tube there will be a label that will face “up” when the tube is installed



This label has the **Lamp description** on it – it starts with “LED” and will include the size of the lamp - “T8” in this instance

**\*OR\*** – on the back of the package, there will be information near the UPC code that has the Product Code (PC) and the **Package Description**



**Either the Lamp Description, Package Description, or Product Code (PC) can be used to identify your lamp**

# What category of LED tube types do I look under?

## Type A LED Tube

(Standard – T5 or T8)

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Each LED tube is outfitted with an internal driver, and these lamps run on existing LFL electronic instant-start or programmed start ballast.

Type A LED Tubes are ideal for those seeking high energy savings with minimal installation time. Convert your existing linear fluorescent fixture to LED lighting without needing a comprehensive reinstall.

## Type A LED Tube

(Universal – T8 or T12)

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Each LED tube is outfitted with an internal driver, and these lamps run on existing LFL electronic instant-start, electronic programmed start ballast, or older magnetic ballasts.

The Universal tubes are used for older installations where you do not know if a T8 or T12 bulb was present and what kind of ballast may be in the fixture.

## Type A/B LED Tube

(Hybrid - Ballast Bypass – T8)

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Each LED tube is outfitted with an internal driver, and these lamps run on existing LFL electronic instant-start or programmed start ballast.

**HOWEVER** – these tubes can also be used as a Type B lamp, where they can be used in a fixture that is re-wired to bypass the ballast. These tubes can also run directly from line voltage.

**Either the Lamp Description, Package Description, or Product Code (PC) can be used to identify your lamp**

# What table for compatibility should I look under?

## T8 LED Tube - Standard Type A (List 1 of 5)

### Consumer

Lamp Description	Package Description	GE Lighting Product Code
LED15ET8G/830	LED15ET8G/830PK2	12894
LED15ET8G/840	LED15ET8G/840PK2	12963
LED15ET8G/850	LED15ET8G/850PK2	12965
LED15ET8G/840	LED15ET8G/840PK8	13104
LED15ET8/850-V6P	LED15ET8G4/8510L	30609
LED15ET8/835-V6P	LED15ET8/835-V6P	35896
LED15ET8/840-V6P	LED15ET8/840-V6P	35900
LED15ET8/850-V6P	LED15ET8/850-V6P	35911
LED15ET8/865-V6P	LED15ET8/865-V6P	35913
LED12ET8/830-V6P	LED12ET8/830-V6P	37867
LED12ET8/835-V6P	LED12ET8/835-V6P	37869
LED12ET8/840-V6P	LED12ET8/840-V6P	37878
LED12ET8/850-V6P	LED12ET8/850-V6P	37882
LED12ET8/G/4/850	LED12ET8/G/4/850	43293
LED18ET8/G/4/GROW/B	LED18ET8/G/4/GROW/B	93097589
LED18ET8/G/4/GROW/F	LED18ET8/G/4/GROW/F	93102868
LED15ET8G/830	LED15ET8G/830CDN2	93117799
LED15ET8G/840	LED15ET8G/840CDN2	93117800
LED15ET8G/850	LED15ET8G/850CDN2	93117801
LED15ET8G/865	LED15ET8G/865CDN2	93118153
LED15ET8G/840	LED15ET8G/840CDN8	93118273
LED15ET8G/865	LED15ET8G/865CDN8	93118337

**Use Table #1 on following pages**

## T8 LED Tube - Standard Type A (List 2 of 5)

### Consumer

Lamp Description	Package Description	GE Lighting Product Code
LED15ET8G/840	LED15ET8G/840/CDN4	93119367
LED15ET8G/850	LED15ET8G/850CDN4	93119368
LED15ET8G/865	LED15ET8G/865CDN4	93119369
LED15ET8G/840	LED15ET8G/840/CDN16	93119370
LED15ET8G/865	LED15ET8G/865CDN16	93119371
LED18ET8/G/4/GROW/B	LED18ET8/G/4/GROW/B/CDN	93120244
LED18ET8/G/4/GROW/F	LED18ET8/G/4/GROW/F/CDN	93120245
LED18ET8/G/4/GROW/B	LED18ET8/G/4/GROW/B-1	93129193
LED18ET8/G/4/GROW/F	LED18ET8/G/4/GROW/F-1	93129194
LED83CCT11ET8G18	LED83CCT11ET8G18-LT	93129271
LEDUB83CCT15T8G4U	LED83CCT10ET5G2-LT	93129272
LED83CCT9ET8G2	LED83CCT9ET8G2-LT	93129273
LED83CCT12ET8G3	LED83CCT12ET8G3-LT	93129274
LED83CCT15ET8G4	LED83CCT15ET8G4-LT2	93129276
LED15ET8/G/4/840	LED15ET8/G/4/840/20PKL	93129294
LED15ET8/G/4/865	LED15ET8/G/4/865/20PKL	93129295
LED11ET8G-18-3CC	LED11ET8G-18-3CC-LT	93129782
LED12ET8G-3-3CC	LED12ET8G-3-3CC-LT	93129785
LED15UT8G-4-3CC	LED15UT8G-4-3CC-LT2	93129786
LED15UT8G-UB-3CC	LED15UT8G-UB-3CC-LT	93129788
LED20ET8G-4-840	LED20ET8G-4-840-2T	93130858
LED20ET8G-4-865	LED20ET8G-4-865-2T	93130859

**Use Table #1 on following pages**

# What table for compatibility should I look under?

## T8 LED Tube - Standard Type A (List 3 of 5)

### Commercial

Lamp Description	Package Description	GE Lighting Product Code
LED13ET8G4/835US	LED13ET8G4/835US	21344
LED13ET8G4/840US	LED13ET8G4/840US	21373
LED13ET8G4/850US	LED13ET8G4/850US	21377
LED12ET8/3/835	LED12ET8/3/835	26544
LED12ET8/3/840	LED12ET8/3/840	26625
LED12ET8/3/850	LED12ET8/3/850	26627
LED9ET8/2/835	LED9ET8/2/835	26635
LED9ET8/2/840	LED9ET8/2/840	26648
LED9ET8/2/850	LED9ET8/2/850	26676
LED8ET8/G/2/840	LED8ET8/G2/8406L	30580
LED18ET8/4/830	LED18ET8/4/830	31550
LED9ET8/2/830	LED9ET8/2/830	31557
LED13ET8/U6/840	LED13ET8/U6/CDN	34041
LED18ET8/G/4/830	LED18ET8/G/4/830	35767
LED18ET8/G/4/835	LED18ET8/G/4/835	35768
LED18ET8/G/4/840	LED18ET8/G/4/840	35769
LED18ET8/G/4/850	LED18ET8/G/4/850	35772
LED18ET8/G/4/865	LED18ET8/G/4/865	35773

**Use Table #2 on following pages**

## T8 LED Tube - Standard Type A (List 4 of 5)

### Commercial

Lamp Description	Package Description	Product Code
LED8ET8/G/2/830	LED8ET8/G/2/830	35775
LED8ET8/G/2/835	LED8ET8/G/2/835	35776
LED8ET8/G/2/840	LED8ET8/G/2/840	35778
LED8ET8/G/2/850	LED8ET8/G/2/850	35779
LED11ET8/G/3/830	LED11ET8/G/3/830	35783
LED11ET8/G/3/835	LED11ET8/G/3/835	35784
LED11ET8/G/3/840	LED11ET8/G/3/840	35788
LED11ET8/G/3/850	LED11ET8/G/3/850	35789
LED15ET8/G/4/830	LED15ET8/G/4/830	35790
LED15ET8/G/4/835	LED15ET8/G/4/835	35791
LED15ET8/G/4/840	LED15ET8/G/4/840	35793
LED15ET8/G/4/850	LED15ET8/G/4/850	35797
LED15ET8/G/4/865	LED15ET8/G/4/865	35798
LED13ET8/U6/830	LED13ET8/U6/830	43120
LED13ET8/U6/835	LED13ET8/U6/835	43125
LED13ET8/U6/840	LED13ET8/U6/840	43129
LED13ET8/U6/850	LED13ET8/U6/850	43130

**Use Table #2 on following pages**

# What table for compatibility should I look under?

## T8 LED Tube - Standard Type A (List 5 of 5)

### Commercial

Lamp Description	Package Description	GE Lighting Product Code
LED12ET8/4/830	LED12ET8/4/830	61218
LED12ET8/4/835	LED12ET8/4/835	61223
LED12ET8/4/840	LED12ET8/4/840	61271
LED12ET8/4/850	LED12ET8/4/850	61327
LED12ET8/4/865	LED12ET8/4/865	61329
LED15ET8/4/830	LED15ET8/4/830	62399
LED15ET8/4/835	LED15ET8/4/835	62401
LED15ET8/4/840	LED15ET8/4/840	62402
LED15ET8/4/850	LED15ET8/4/850	62409
LED15ET8/4/865	LED15ET8/4/865	62410
LED18ET8/4/835	LED18ET8/4/835	93133
LED18ET8/4/840	LED18ET8/4/840	93135
LED18ET8/4/840	LED18ET8/4/840/U	93137
LED18ET8/4/850	LED18ET8/4/850	93140
LED13ET8/U6/840	LED13ET8/U6/840/CONS	93095867
LED8ET8/G/2/840	LED8ET8/G2/8406CDN	93118457

**Use Table #2 on following pages**

## T8 LED Tube - Type A/B Hybrid

Can either be used as a Type A with Ballast or a Type B with Ballast removed

Lamp Description	Package Description	GE Lighting Product Code
LEDAB15T8G4840	LEDAB15T8G4840-LT1	93129277
LEDAB15T8G4840	LEDAB15T8G4840-LT10	93129278
LEDAB15T8G4865	LEDAB15T8G4865-LT1	93129280
LEDAB15T8G4865	LEDAB15T8G4865-LT10	93129279
LED15ABT8G-4-3CC	LED15ABT8G-4-3CC-2T	93130867
LED15ABT8G-4-3CC	LED15ABT8G-4-3CC-10	93130868

**Use Table #1 on following pages**

# What table for compatibility should I look under?

## T8 LED Tube - Universal Type A (List 1 of 2)

There is an electronic or magnetic ballast in the fixture (Usually replacing old T12 bulbs with newer T8 bulbs)

Lamp Description	Package Description	GE Lighting Product Code
LED8ET8GU830	LED8ET8GU8301PK	37136
LED8ET8GU835	LED8ET8GU8351PK	37137
LED8ET8GU840	LED8ET8GU8401PK	37151
LED8ET8GU850	LED8ET8GU8501PK	37156
LED8ET8GU865	LED8ET8GU8651PK	37162
LED15ET8GU830	LED15ET8GU8302PK	37163
LED11ET8GU830	LED11ET8GU8301PK	37164
LED15ET8GU835	LED15ET8GU8352PK	37167
LED15ET8GU840	LED15ET8GU8402PK	37168
LED11ET8GU835	LED11ET8GU8351PK	37176
LED15ET8GU850	LED15ET8GU8502PK	37177
LED11ET8GU84	LED11ET8GU8401PK	37178
LED15ET8GU865	LED15ET8GU8652PK	37183
LED11ET8GU850	LED11ET8GU8501PK	37188
LED11ET8GU865	LED11ET8GU8651PK	37190
LED15ET8GU830	LED15ET8GU8301PK	37192
LED15ET8GU835	LED15ET8GU8351PK	37201
LED15ET8GU840	LED15ET8GU8401PK	37205
LED15ET8GU850	LED15ET8GU8501PK	37207
LED15ET8GU865	LED15ET8GU8651PK	37221

**Use Table #3 on following pages**

## T8 LED Tube - Universal Type A (List 2 of 2)

There is an electronic or magnetic ballast in the fixture (Usually replacing old T12 bulbs with newer T8 bulbs)

Lamp Description	Package Description	GE Lighting Product Code
LED8ET8G2U840	LED8ET8G2U840/1PKL	93123048
LED15ET8G4U840	LED15ET8GU840/4/2PKLT	93129209
LED15ET8G4U865	LED15ET8GU865/4/2PKLT	93129332
LED83CCT15T8G4U	LED83CCT15T8G4U-LT2	93129275
LEDUB83CCT15T8G4U	LEDUB83CCT15T8G4U-LT	93129283
LED7UT8G-2-3CC	LED7UT8G-2-3CC-1T	93130864

**Use Table #3 on following pages**

# What table for compatibility should I look under?

## T5 LED Tube - Standard Type A (List 1 of 2)

### Consumer

Lamp Description	Package Description	Product Code
LED83CCT6ET5G1	LED83CCT6ET5G1-LT	93129284
LED83CCT7ET5G21	LED83CCT7ET5G21-LT	93129285
LED83CCT10ET5G2	LED83CCT10ET5G2-LT	93129272

**Use Table #4 on following pages**

Lamp Description	Package Description	Product Code
LED10ET5G-2-3CC	LED10ET5G-2-3CC-LT	93129783
LED5ET5G-1-3CC	LED5ET5G-1-3CC-LT	93129789
LED7ET5G-21-3CC	LED7ET5G-21-3CC-LT	93129790

**Use Table #5 on following pages**

## T5 LED Tube - Standard Type A (List 2 of 2)

### Commercial

Lamp Description	Package Description	Product Code
LED26ET5/G/4/835	LED26ET5/G/4/835	19221
LED26ET5/G/4/850	LED26ET5/G/4/850	19348
LED26ET5/G/4/840	LED26ET5/G4/840CDN	93118456
LED26ET5/G/4/840	LED26ET5/G4/840LT1P	93129198
LED28ET5GHO-4-3CC	LED28ET5GHO-4-3CC-1T	93130860

**Use Table #6 on following pages**



# Table #1 – T8 LED Tube – Type A or Type A/B Hybrid - Page 1 of 2

## IMPORTANT NOTICE:

This list is based on testing performed using a stable AC power supply under laboratory conditions, which may not be representative of particular end-use conditions. While each ballast model listed has undergone testing, some may have undergone revisions that may change operating parameters and impact lamp performance. Applications and conditions of use are many and varied and beyond our control, so purchasers and users should make their own determinations as to the suitability of a lamp-ballast combination for their own particular application and use. Compatibility may also extend to ballasts beyond this list, so performing an on-site test before installation is recommended. Contact a sales representative if the ballast to be used is not listed in the table. Information is subject to change without notice.

Manufacturer	Model Information	Input Voltage	Compatible?
CDL	E232120MRSLP	120V	Compatible
GE	GE432MAX-N/ULTRA	120-277V	Compatible
GE	G232-120-RES	120V	Compatible
GE	GE 232MAXP90-S60 (1 BLACK LINE ON)	120-277V	Compatible
GE	GE 232MAXP90-S60 (2 BLACK LINE ON)	120-277V	Compatible
GE	GE132MAX-G-N	120-277V	Compatible
GE	GE132MAX-L/ULTRA	120-277V	Compatible
GE	GE132MAX-L/ULTRA	120-277V	Compatible
GE	GE132MAX-N/ULTRA	120-277V	Compatible
GE	GE132MAXP-H/ULTRA	120-277V	Compatible
GE	GE132MAXP-L/ULTRA	120-277V	Compatible
GE	GE132MAXP-N/ULTRA	120-277V	Compatible
GE	GE-132-MV-N/M	120-277V	Compatible
GE	GE132-MVPS-H	120-277V	Compatible
GE	GE132-MVPS-L	120-277V	Compatible
GE	GE132MVPS-L-S30	120-277V	Compatible
GE	GE-132-MV-PS-N		Not Tested
GE	GE132MVPS-N-S03	120-277V	Compatible
GE	GE132MVPS-N-S30	120-277V	Compatible
GE	GE132MVPS-N-V03	120-277V	Not Compatible
GE	GE132-N-347	347V	Compatible
GE	GE232-120RES	120V	Compatible
GE	GE232-120RESDIYB	120V	Compatible
GE	GE232MAX90-S60	120-277V	Compatible
GE	GE232MAX-G-347	347V	Compatible
GE	GE232MAX-G-L	120-277V	Compatible
GE	GE232MAX-L/ULTRA	120-277V	Compatible
GE	GE232MAX-N/ULTRA	120-277V	Compatible
GE	GE232MAXP347-H	347V	Compatible
GE	GE232MAXP347-L	347V	Compatible
GE	GE232MAXP347-N	347V	Compatible
GE	GE232MAXP480-H	480V	Not Tested
GE	GE232MAXP90-V60	120-277V	Compatible

Manufacturer	Model Information	Input Voltage	Compatible?
GE	GE232MAXP-H/ULTRA	120-277V	Compatible
GE	GE232MAXP-N/ULTRA	120-277V	Compatible
GE	GE232MAXP-N+	120-277V	Compatible
GE	GE232MV-H	120-277V	Compatible
GE	GE232-MV-N/M	120-277V	Compatible
GE	GE232MVPS-L-S30	120-277V	Compatible
GE	GE-232-MV-PS-N	120-277V	Compatible
GE	GE232MVPS-N-S30	120-277V	Compatible
GE	GE232MVPSN-V03	120-277V	Compatible
GE	GE232PS347-H	347V	Compatible
GE	GE232PS347-L	120-277V	Compatible
GE	GE232PS347-N	347V	Compatible
GE	GE240PSMVN-DIYB	120-277V	Compatible
GE	GE332MAX347-H	347V	Compatible
GE	GE332MAX90-V60	120-277V	Compatible
GE	GE332MAX-G-347	347V	Compatible
GE	GE332MAX-G-H	120-277V	Compatible
GE	GE332MAX-G-L	120-277V	Compatible
GE	GE332MAX-G-N	120-277V	Compatible
GE	GE332MAX-H/ULTRA	120-277V	Compatible
GE	GE332MAXP347-N	347V	Compatible
GE	GE332MAXP480-H	480V	Not Tested
GE	GE332MAXP90-S60	120-277V	Compatible
GE	GE332MAXP-H/ULTRA	120-277V	Compatible
GE	GE332MAXP-L/ULTRA	120-277V	Compatible
GE	GE332MAXP-N/ULTRA	120-277V	Compatible
GE	GE332MAXP-N+	120-277V	Compatible
GE	GE332MAXP-N-GEN1	120-277V	Compatible
GE	GE332MV-H	120-277V	Compatible
GE	GE-332-MVPS-H	120-277V	Compatible
GE	GE332MVPSH-V03	120-277V	Compatible
GE	GE332-MVPS-L	120-277V	Compatible
GE	GE332-MVPS-N	120-277V	Compatible

Manufacturer	Model Information	Input Voltage	Compatible?
GE	GE332MVPS-N-V03	120-277V	Compatible
GE	GE-332-MVPS-XL	120-277V	Compatible
GE	GE332PS347-N	347V	Compatible
GE	GE432-120-RES	120V	Compatible
GE	GE432-120RES-B	120-277V	Compatible
GE	GE432MAX347-N	347V	Compatible
GE	GE432MAX480-H	480V	Not Tested
GE	GE432MAX90-S60	120-277V	Compatible
GE	GE432MAX90-V60	120-277V	Compatible
GE	GE432MAX-G-347	347V	Compatible
GE	GE432MAX-G-L	120-277V	Compatible
GE	GE432MAX-G-N	120-277V	Compatible
GE	GE432MAX-H/Ultra	120-277V	Compatible
GE	GE432MAXP347-H	347V	Compatible
GE	GE432MAXP347-L	347V	Compatible
GE	GE432MAXP347-N	347V	Compatible
GE	GE432MAXP-L/ULTRA	120-277V	Compatible
GE	GE432MAXP-N/ULTRA	120-277V	Compatible
GE	GE432MAXP-N+	120-277V	Compatible
GE	GE432MV-H	120-277V	Not Tested
GE	GE432MV-N	120-277V	Compatible
GE	GE432-MV-N/M	120-277V	Compatible
GE	GE432MVPS-H	120-277V	Compatible
GE	GE432MVPSH-V03	120-277V	Compatible
GE	GE432-MVPS-L	120-277V	Compatible
GE	GE432-MVPS-N	120-277V	Compatible
GE	GE432MVPS-N-V03	120-277V	Compatible
GE	GE432PS347-N	347V	Compatible
GE	GE632MAXP-H90	120-277V	Compatible
GE	GE632MAXP-H90-S60	120-277V	Compatible
GE	GE632MAXP-H90-V60	120-277V	Compatible
HATCH	HL232AIS/34/HE/W	347V	Compatible
HATCH	HL232AIS/UV/HE/W	120-277V	Compatible

 Compatible  
 Not Compatible  
 Not Tested

# Table #1 – T8 LED Tube – Type A or Type A/B Hybrid - Page 2 of 2

## IMPORTANT NOTICE:

This list is based on testing performed using a stable AC power supply under laboratory conditions, which may not be representative of particular end-use conditions. While each ballast model listed has undergone testing, some may have undergone revisions that may change operating parameters and impact lamp performance. Applications and conditions of use are many and varied and beyond our control, so purchasers and users should make their own determinations as to the suitability of a lamp-ballast combination for their own particular application and use. Compatibility may also extend to ballasts beyond this list, so performing an on-site test before installation is recommended. Contact a sales representative if the ballast to be used is not listed in the table. Information is subject to change without notice.

Manufacturer	Model Information	Input Voltage	Compatible?
HATCH	HL232APS/UV/HE/W	120-277V	Compatible
HATCH	HL232BIS/UV/HE/W	120-277V	Compatible
HATCH	HL232BPS/UV/HE/W	120-277V	Compatible
HATCH	HL332AIS/UV/HE/W	120-277V	Compatible
HATCH	HL332APS/UV/HE/W	120-277V	Compatible
HATCH	HL332BPS/UV/HE/W	120-277V	Compatible
HATCH	HL332CPS/UV/HE/W	120-277V	Compatible
HATCH	HL432AIS/34/HEW	347V	Compatible
HATCH	HL432APS/UV/HE/W	120-277V	Compatible
HATCH	HL432BIS/UV/HE/W	120-277V	Compatible
HATCH	HL432BPS/UV/HE/W	120-277V	Compatible
HOWARD	EP3/32IS/MV/MC/HE	120-277V	Compatible
HOWARD	EP4/32IS/MV/MC/HE	120-277V	Compatible
HOWARD	EP2/32IS/MV/MC/HE	120-277V	Compatible
KEYSTONE	KTEB-232RIS-1-TP-SL	120V	Compatible
KEYSTONE	KTEB-240-1-TP/E	120V	Compatible
OSRAM	QHE 1X32T8/UNV ISN-SC	120-277V	Compatible
OSRAM	QHE 2X32T8/347 ISN-SC	347V	Not Compatible
OSRAM	QHE 2X32T8/UNV ISL-SC	120-277V	Compatible
OSRAM	QHE 2X32T8/UNV ISN-SC	120-277V	Compatible
OSRAM	QHE 2X32T8/UNV ISN-SC	120-277V	Compatible
OSRAM	QHE 2X32T8/UNV DIM-TC	120-277V	Compatible
OSRAM	QHE 2X32T8/UNV/HDIM10/SC	120-277V	Compatible
OSRAM	QHE 3X32T8/UNV ISL-SC	120-277V	Not Tested
OSRAM	QHE 3X32T8/UNV ISN-SC	120-277V	Compatible
OSRAM	QHE 4X32T8/UNV ISL-SC	120-277V	Compatible
OSRAM	QHE 4X32T8/UNV ISN-SC	120-277V	Compatible
OSRAM	QHE 4X32T8/UNV ISN-SC	120-277V	Compatible
OSRAM	QHE 4X32T8/UNV PSN-SC	120-277V	Compatible
OSRAM	QT 3X32 T8/277	277V	Compatible
OSRAM	QT 3X32 T8/277 ISN-SC	277V	Compatible
OSRAM	QTP 1X32T8/UNV ISN-SC	120-277V	Compatible
OSRAM	QTP 2X32T8/UNV ISN-SC	120-277V	Compatible

Manufacturer	Model Information	Input Voltage	Compatible?
OSRAM	QTP 3X32T8/UNV ISN-SC	120-277V	Compatible
OSRAM	QTP 3X32T8/UNVISN-SC	120-277V	Compatible
PHILIPS	IOP-3PSP32-SC	120-277V	Compatible
PHILIPS	Centium ICN-2P32-N	120-277V	Compatible
PHILIPS	GOPA-2P32-SC	347V	Compatible
PHILIPS	GOPA-4P32-SC	347V	Compatible
PHILIPS	ICN-1P32-N	120-277V	Compatible
PHILIPS	ICN-2P32-N	120-277V	Compatible
PHILIPS	ICN-3P32-N	120-277V	Compatible
PHILIPS	ICN-4P32-N	120-277V	Compatible
PHILIPS	IOP-3PSP32-LW-SC	120-277V	Compatible
PHILIPS	IOP-4P32-N	120-277V	Compatible
PHILIPS	IOP-4PSP32-SC	120-277V	Compatible
PHILIPS	IOPA-1P32--HL-N	120-277V	Compatible
PHILIPS	IOPA-1P32-N	120-277V	Compatible
PHILIPS	IOPA-2P32-HL-N	120-277V	Compatible
PHILIPS	IOPA-2P32-N	120-277V	Compatible
PHILIPS	IOPA-3P32-N	120-277V	Compatible
PHILIPS	IOPA-3P32-SC	120-277V	Compatible
PHILIPS	IOPA-4P32-N	120-277V	Compatible
PHILIPS	IZT-132-SC	120-277V	Compatible
PHILIPS	IZT-2PSP32-SC		Not Tested
PHILIPS	IZT-2S32-SC	120-277V	Compatible
PHILIPS	IZT-3C32-SC	120-277V	Compatible
PHILIPS	IZT-3S32-SC		Not Tested
PHILIPS	Optanium IOP-2P32HL-SC	120-277V	Compatible
PHILIPS	Optanium IOPA-2P32HL-SC	120-277V	Compatible
PHILIPS	Optanium IOPA-2P32-LW-N	120-277V	Compatible
PHILIPS	REB-2P32-N	120-277V	Not Tested
PHILIPS	REB-4P32-SC	120V	Compatible
PHILIPS	REZ-2S32-SC	120-277V	Compatible
SYLVANIA	QTP 4X32T8/UNV ISN-SC	120-277V	Compatible
SYLVANIA	QTP 4X32T8/UNV PSX-SC	120-277V	Compatible

Manufacturer	Model Information	Input Voltage	Compatible?
SYLVANIA	QTP 2X32T8/UNV ISH-SC	120-277V	Compatible
SYLVANIA	QTP 2x32T8/UNV ISH-SC	120-277V	Compatible
SYLVANIA	QTP 2X32T8/UNV ISL-SC	120-277V	Compatible
SYLVANIA	QTP 2X32T8/UNV ISN-SC	120-277V	Compatible
SYLVANIA	QTP 3X32T8/UNV PSX-SC	120-277V	Compatible
SYLVANIA	QTP 4X32T8/UNV ISN-SC	120-277V	Compatible
SYLVANIA	QHE 3X32T8/UNV PSX-SC	120-277V	Compatible
SYLVANIA	QTP1X32T8/UNV PSX-TC	120-277V	Not Tested
ULTRASAVE	UT232347	347V	Compatible
ULTRASAVE	UT432347	347V	Compatible
Universal	432IUNVEL-A	120-277V	Compatible
Universal	B132I120RH-A	120V	Compatible
Universal	B132IUNVEL-N	120-277V	Compatible
Universal	B132IUNVHE-N	120-277V	Compatible
Universal	B132IUNVHP-N	120-277V	Compatible
Universal	B232IUNVEL-N	120-277V	Compatible
Universal	B232IUNVHE-A	120-277V	Compatible
Universal	B232IUNVHEH-A	120-277V	Compatible
Universal	B232IUNVHE-N	120-277V	Compatible
Universal	B232IUNVHP-N	120-277V	Compatible
Universal	B232PUNVHE-B	120-277V	Compatible
Universal	B332IUNVEL-A	120-277V	Compatible
Universal	B332IUNVEL-A	120-277V	Compatible
Universal	B332IUNVHE-A	120-277V	Compatible
Universal	B332IUNVHP-A	120-277V	Compatible
Universal	B432IUNVHE-A	120-277V	Compatible
Universal	B432IUNVHP-A	120-277V	Compatible
UTILITECH	MODEL#YZ-240	120V	Compatible

Compatible  
 Not Compatible  
 Not Tested

# Table #2 – T8 LED Tube – Type A – Commercial – Page 1 of 3

## IMPORTANT NOTICE:

This list is based on testing performed using a stable AC power supply under laboratory conditions, which may not be representative of particular end-use conditions. While each ballast model listed has undergone testing, some may have undergone revisions that may change operating parameters and impact lamp performance. Applications and conditions of use are many and varied and beyond our control, so purchasers and users should make their own determinations as to the suitability of a lamp-ballast combination for their own particular application and use. Compatibility may also extend to ballasts beyond this list, so performing an on-site test before installation is recommended. Contact a sales representative if the ballast to be used is not listed in the table. Information is subject to change without notice.

Manufacturer	Model Information	# of Tubes	Ballast Factor	Start Type	Volts	4ft ET8	3ft ET8	2ft ET8
General Electric	GE132MAX-L/ULTRA	1	L	Instant	UNV			
General Electric	GE132MAXP-L/ULTRA	1	L	Instant	UNV			
General Electric	GE132-MVPS-L	1	L	Program	UNV			
General Electric	GE132MV-N	1	N	Instant	UNV			
General Electric	GE132MAX-G-N	1	N	Instant	UNV			
General Electric	GE132MAXP-N/ULTRA	1	N	Instant	UNV			
General Electric	GE132MV-PS-N	1	N	Program	UNV			
General Electric	GE132MVPS-N-S30	1	N	Program	UNV			
General Electric	GE132MVPS-N-V03	1	N	Program	UNV			
General Electric	GE132-N-347	1	N	Instant	347			
General Electric	GE132MAXP-H/ULTRA	1	H	Program	UNV			
Osram Sylvania	QTP 1x32T8/UNV PSX-TC	1	L	Program	UNV			
Osram Sylvania	QHE 1x32T8/UNV ISN-SC	1	N	Instant	UNV			
Osram Sylvania	QTP 1x32T8/UNV ISN-SC	1	N	Instant	UNV			
Philips Advance	ICN-1P32-N	1	N	Instant	UNV			
Philips Advance	IOPA-1P32-N	1	N	Instant	UNV			
Philips Advance	IOPA-1P32-HL-N	1	H	Instant	UNV			
Universal	B132IUNVEL-N	1	L	Instant	UNV			
Universal	B132IUNVHE-N	1	N	Instant	UNV			
Universal	B132IUNVHP-N	1	N	Instant	UNV			
General Electric	GE-232-MVPS-XL	2	XL	Program	UNV			
General Electric	GE232MAX-G-L	2	L	Instant	UNV			
General Electric	GE232MAXP-L/ULTRA	2	L	Instant	UNV			
General Electric	GE232-MVPS-L	2	L	Program	UNV			
General Electric	GE232MVPS-L-S30	2	L	Program	UNV			
General Electric	GE232MAXP347-L	2	L	Instant	347			
General Electric	GE232PS347-L	2	L	Program	347			
General Electric	GE232-120-RES	2	N	Instant	120			
General Electric	GE232MAX-G-N	2	N	Instant	UNV			
General Electric	GE232MAXP347-N	2	N	Instant	347			

Manufacturer	Model Information	# of Tubes	Ballast Factor	Start Type	Volts	4ft ET8	3ft ET8	2ft ET8
General Electric	GE232MAXP-N/ULTRA	2	N	Instant	UNV			
General Electric	GE232MAX-N/AMP	2	N	Instant	UNV			
General Electric	GE232MV-N	2	N	Instant	UNV			
General Electric	GE232-120RES-DIY	2	N	Instant	UNV			
General Electric	GE-232-MV-PS-N	2	N	Program	UNV			
General Electric	GE232MVPS-N-S30	2	N	Program	UNV			
General Electric	GE232MVPS-N-V03	2	N	Program	UNV			
General Electric	GE232PS347-N	2	N	Program	347			
General Electric	GE232-N-347	2	N	Instant	347			
General Electric	GE232MAX-G-N-347	2	N	Instant	347			
General Electric	GE232MAXP-N+	2	N+	Instant	UNV			
General Electric	GE232MAX-G-H	2	H	Instant	UNV			
General Electric	GE232MAXP90-S60	2	H	Instant	UNV			
General Electric	GE232MAXP-H/ULTRA	2	H	Instant	UNV			
General Electric	GE232MV-H	2	H	Instant	UNV			
General Electric	GE232-MV-PS-H	2	H	Program	UNV			
General Electric	GE232MVPSH-V03	2	H	Program	UNV			
General Electric	GE232PS347-H	2	H	Program	347			
Fusion	FB232MVE-N	2	N	Instant	UNV			
Fusion	FB232347E-N	2	N	Instant	347			
Hatch	HL232AIS/UV/HE/W	2	L	Instant	UNV			
Hatch	HL232APS/UV/HE/W	2	L	Program	UNV			
Hatch	HL232AIS/34/HE/W	2	L	Instant	347			
Hatch	HL232BIS/UV/HE/W	2	N	Instant	UNV			
Hatch	HL232BPS/UV/HE/W	2	N	Program	UNV			
Hatch	HL232CPS/UV/HE/W	2	H	Program	UNV			
Howard	EP2/32IS/MV/MC/HE	2	N	Instant	UNV			
Osram Sylvania	QHE 2x32T8/UNV ISL-SC	2	L	Instant	UNV			
Osram Sylvania	QTP 2x32T8/UNV ISL-SC	2	L	Instant	UNV			
Osram Sylvania	QT 2 x 32/347 LP	2	L	Instant	347			



Compatible



Not Compatible



Use with caution-high/low watts

# Table #2 – T8 LED Tube – Type A – Commercial – Page 2 of 3

## IMPORTANT NOTICE:

This list is based on testing performed using a stable AC power supply under laboratory conditions, which may not be representative of particular end-use conditions. While each ballast model listed has undergone testing, some may have undergone revisions that may change operating parameters and impact lamp performance. Applications and conditions of use are many and varied and beyond our control, so purchasers and users should make their own determinations as to the suitability of a lamp-ballast combination for their own particular application and use. Compatibility may also extend to ballasts beyond this list, so performing an on-site test before installation is recommended. Contact a sales representative if the ballast to be used is not listed in the table. Information is subject to change without notice.

Manufacturer	Model Information	# of Tubes	Ballast Factor	Start Type	Volts	4ft ET8	3ft ET8	2ft ET8
Osram Sylvania	QT2x32 T8/347 ISN-SC	2	N	Instant	347			
Osram Sylvania	QHE 2x32T8/347 ISN-SC	2	N	Instant	347			
Osram Sylvania	QHE 2x32T8/UNV ISN-SC	2	N	Instant	UNV			
Osram Sylvania	QTP 2x32T8/UNV ISN-SC	2	N	Instant	UNV			
Osram Sylvania	QTP 2x32T8/UNV ISH-SC	2	H	Instant	UNV			
Philips Advance	IOPA-2P32-LW-N	2	L	Instant	UNV			
Philips Advance	GOPA-2P32-SC	2	N	Instant	347			
Philips Advance	ICN-2P32-N	2	N	Instant	UNV			
Philips Advance	REB-2P32-SC	2	N	Instant	120			
Philips Advance	REB-2P32-N	2	N	Instant	120			
Philips Advance	IOPA-2P32-N	2	N	Instant	UNV			
Philips Advance	IZT-2S32-SC	2	N	Program	UNV			
Philips Advance	REZ-2S32-SC	2	N	Program	120			
Philips Advance	IZT-2PSP32-SC	2	N	Program	UNV			
Philips Advance	IOP-2P32HL-SC	2	H	Instant	UNV			
Philips Advance	IOPA-2P32HL-SC	2	H	Instant	UNV			
Ultrasave	UT232347	2	N	Instant	347			
Universal	B232IUNVEL-N	2	L	Instant	UNV			
Universal	B232IUNVHE-N	2	N	Instant	UNV			
Universal	B232IUNVHP-N	2	N	instant	UNV			
Universal	B232PUNVHE-B	2	N	Instant	UNV			
Universal	B232I277RH-A	2	N	Instant	277			
Universal	B232IUNVHEH-A	2	H	Instant	UNV			
General Electric	GE-332-MVPS-XL	3	XL	Program	UNV			
General Electric	GE332MAX-G-L	3	L	Instant	UNV			
General Electric	GE332MAXP-L/ULTRA	3	L	Instant	UNV			
General Electric	GE332-MVPS-L	3	L	Program	UNV			
General Electric	GE332MAX-G-N	3	N	Instant	UNV			
General Electric	GE332MV-N	3	N	Instant	UNV			
General Electric	GE332MAXP-N/ULTRA	3	N	Instant	UNV			

Manufacturer	Model Information	# of Tubes	Ballast Factor	Start Type	Volts	4ft ET8	3ft ET8	2ft ET8
General Electric	GE332MAX-N-GEN1	3	N	Instant	UNV			
General Electric	GE332MAXP-N-GEN1	3	N	Instant	UNV			
General Electric	GE332MAX-N/AMP	3	N	Instant	UNV			
General Electric	GE332-MVPS-N	3	N	Program	UNV			
General Electric	GE332MVPSN-V03	3	N	Program	UNV			
General Electric	GE332PS347-N	3	N	Program	347			
General Electric	GE332MAX-G-347	3	N	Instant	347			
General Electric	GE332MAX-G-H	3	H	Instant	UNV			
General Electric	GE332MAXP-H/ULTRA	3	H	Instant	UNV			
General Electric	GE332MAXPH-42T	3	H	Instant	UNV			
General Electric	GE332MVPSH-V03	3	H	Program	UNV			
General Electric	GE332MAXP90-V60	3	H	Instant	UNV			
General Electric	GE332MAXP90-S60	3	H	Instant	UNV			
General Electric	GE332MAX347-H	3	H	Instant	347			
Fusion	FB332MVE	3	N	Instant	UNV			
Hatch	HL332AIS/UV/HE/W	3	L	Instant	UNV			
Hatch	HL332APS/UV/HE/W	3	L	Program	UNV			
Hatch	HL332BPS/UV/HE/W	3	N	Program	UNV			
Hatch	HL332CPS/UV/HE/W	3	H	Program	UNV			
Howard	EP3/32IS/MV/MC/HE	3	N	Instant	UNV			
Osram Sylvania	QHE 3x32T8/UNV ISL-SC	3	L	Instant	UNV			
Osram Sylvania	QHE 3x32T8/UNV PSX-SC	3	L	Program	UNV			
Osram Sylvania	QTP 3x32T8/UNV PSX-SC	3	L	Program	UNV			
Osram Sylvania	QHE 3x32T8/UNV ISN-SC	3	N	Instant	UNV			
Osram Sylvania	QTP 3x32T8/UNV ISN-SC	3	N	Instant	UNV			
Philips Advance	IOP-3PSP32-LW-SC	3	L	Program	UNV			
Philips Advance	ICN-3P32-N	3	N	Instant	UNV			
Philips Advance	IOPA-3P32-N	3	N	Instant	UNV			
Philips Advance	IOP-3PSP32-SC	3	N	Program	UNV			
Universal	B332IUNVEL-A	3	L	Instant	UNV			



Compatible



Not Compatible



Use with caution-high/low watts

# Table #2 – T8 LED Tube – Type A – Commercial – Page 3 of 3

## IMPORTANT NOTICE:

This list is based on testing performed using a stable AC power supply under laboratory conditions, which may not be representative of particular end-use conditions. While each ballast model listed has undergone testing, some may have undergone revisions that may change operating parameters and impact lamp performance. Applications and conditions of use are many and varied and beyond our control, so purchasers and users should make their own determinations as to the suitability of a lamp-ballast combination for their own particular application and use. Compatibility may also extend to ballasts beyond this list, so performing an on-site test before installation is recommended. Contact a sales representative if the ballast to be used is not listed in the table. Information is subject to change without notice.

Manufacturer	Model Information	# of Tubes	Ballast Factor	Start Type	Volts	4ft ET8	3ft ET8	2ft ET8
Universal	B332IUNVHE-A	3	N	Instant	UNV			
Universal	B332IUNVHP-A	3	N	Instant	UNV			
Universal	B332IHRVHB-E	3	H	Instant	480			
General Electric	GE432MAX-G-L	4	L	Instant	UNV			
General Electric	GE432MAXP-L/ULTRA	4	L	Instant	UNV			
General Electric	GE432MAXP347-L	4	L	Instant	347			
General Electric	GE432-MVPS-L	4	L	Program	UNV			
General Electric	GE432-120-RES	4	N	Instant	120			
General Electric	GE432MAX347-N	4	N	Instant	347			
General Electric	GE432MAX-G-N	4	N	Instant	UNV			
General Electric	GE432MAXP-N/ULTRA	4	N	Instant	UNV			
General Electric	GE432MV-N	4	N	Instant	UNV			
General Electric	GE432-MVPS-N	4	N	Program	UNV			
General Electric	GE432MVPS-N-V03W	4	N	Program	UNV			
General Electric	GE432MAXP-N+	4	N+	Instant	UNV			
General Electric	GE432MAX-G-H	4	H	Instant	UNV			
General Electric	GE432MAXP347-H	4	H	Instant	347			
General Electric	GE432MAXP-H/ULTRA	4	H	Instant	UNV			
General Electric	GE432MVPS-H	4	H	Instant	UNV			
General Electric	GE432MVPS-H-V03	4	H	Program	UNV			
General Electric	GE432MAXP90-V60	4	H	Instant	UNV			
Fusion	FB432MVE-N	4	N	Instant	UNV			
Fusion	FB432347E-N	4	N	Instant	347			
Hatch	HL432APS/UV/HE/W	4	L	Program	UNV			
Hatch	HL432AIS/34/HE/W	4	L	Instant	347			
Hatch	HL432BIS/UV/HE/W	4	N	Instant	UNV			
Hatch	HL432BPS/UV/HE/W	4	N	Program	UNV			
Howard	EP4/32IS/MV/MC/HE	4	N	Instant	UNV			
Osram Sylvania	QHE 4x32T8/UNV ISL-SC	4	L	Instant	UNV			
Osram Sylvania	QHE 4x32T8/UNV ISN-SC	4	N	Instant	UNV			

Manufacturer	Model Information	# of Tubes	Ballast Factor	Start Type	Volts	4ft ET8	3ft ET8	2ft ET8
Osram Sylvania	QTP 4x32T8/UNV ISN-SC	4	N	Instant	UNV			
Osram Sylvania	QHE 4x32T8/UNV PSN-SC	4	N	Program	UNV			
Philips Advance	IOP-4PSP32-LW-SC	4	L	Program	UNV			
Philips Advance	GOPA-4P32-SC	4	N	Instant	347			
Philips Advance	ICN-4P32-N	4	N	Instant	UNV			
Philips Advance	IOP-4P32-N	4	N	Instant	UNV			
Philips Advance	IOPA-4P32-N	4	N	Instant	UNV			
Philips Advance	REB-4P32-SC	4	N	Instant	120			
Philips Advance	IOP-4PSP32-SC	4	N	Program	UNV			
Ultrasave	UT432347	4	N	Instant	347			
Universal	B432IUNVEL-A	4	L	Instant	UNV			
Universal	B432IUNVHE-A	4	N	Instant	UNV			
Universal	B432IUNVHP-A	4	N	Instant	UNV			



Compatible



Not Compatible



Use with caution-high/low watts

# Table #3 – T8 LED Tube - Universal Type A


## IMPORTANT NOTICE:

This list is based on testing performed using a stable AC power supply under laboratory conditions, which may not be representative of particular end-use conditions. While each ballast model listed has undergone testing, some may have undergone revisions that may change operating parameters and impact lamp performance. Applications and conditions of use are many and varied and beyond our control, so purchasers and users should make their own determinations as to the suitability of a lamp-ballast combination for their own particular application and use. Compatibility may also extend to ballasts beyond this list, so performing an on-site test before installation is recommended. Contact a sales representative if the ballast to be used is not listed in the table. Information is subject to change without notice.

Manufacturer	Ballast Type	Model Information	Type	Input Voltage	# Lamps	Compatible?
ACCUPRO	T8	AP-RS-232IS-120	Electronic	120V/60HZ	1/2	Compatible
ADVANCE	T8	Cat NO.RK-2S32-TP	Magnetic	120V/60HZ	1/2	Compatible
CDL	T8	#E232120MRSLP	Electronic	120V/60HZ	1/2	Compatible
GE	T8	GE132MAX-G-N	Electronic	120-277V/60HZ	1	Compatible
GE	T8	GE232MAXG-N-DIY	Electronic	120-277V/60HZ	2-Jan	Compatible
GE	T8	GE432MAXG-N-DIY	Electronic	120-277V/60HZ	1/2/3/4	Compatible
GE	T8	GE132MAX-N/ULTRA	Electronic	120-277V/60HZ	1	Compatible
GE	T8	GE232-120RES-B	Electronic	120V/60HZ	1/2	Compatible
GE	T8	GE232-120RES-DIY	Electronic	120V/60HZ	1/2	Compatible
GE	T8	GE332MAXP-N+	Electronic	120-277V/60HZ	1/2/3	Compatible
GE	T8	GE432-120RES-B	Electronic	120V/60HZ	1/2/3/4	Compatible
GE	T8	GE432-120RES-DIY	Electronic	120V/60HZ	1/2/3/4	Compatible
GE	T8	GE432MAXP-N+	Electronic	120-277V/60HZ	1/2/3/4	Not Compatible
HOWARD	T8	EL 3 32IS-277	Electronic	277V/60HZ	1/2/3	Compatible
Keystone	T8	KTEB-232RIS-1-TP-SL	Electronic	120V/60HZ	1/2	Compatible
Lights of America	T8	8045E-WH	Electronic	120V/60HZ	1/2	Compatible
Robertson	T8	SEN434P	Magnetic	120V/60HZ	1/2/3/4	Compatible
SYLVANIA	T8	QUICKTRONIC® QT 3*32 T8/277 ISN-SC	Electronic	277V/60HZ	1/2/3	Compatible
TraidUniversal	T8	C240SI277RH	Electronic	277V/60HZ	1/2	Compatible
Universal	T8	Cat NO.731-L-TC-P	Magnetic	120V/60HZ	1/2	Compatible

Manufacturer	Ballast Type	Model Information	Type	Input Voltage	# Lamps	Compatible?
ADVANCE	T12	Cat NO.R-2S40-1-TP	Magnetic	120V/60HZ	1/2	Compatible
GE	T12	458-L-SLH-TC-P	Magnetic	277V/60HZ	1	Compatible
GE	T12	8G1075	Magnetic	120V/60HZ	1	Compatible
GE	T12	GE240PSMVN-DIYB	Electronic	120-277V/60HZ	1/2	Compatible
GE	T12	GE240PSMVN-DIYL	Electronic	120-277V/60HZ	1/2	Compatible
GE	T12	GE240RES120-B	Electronic	120V/60HZ	1/2	Compatible
GE	T12	GE240RS120-DIY	Electronic	120V/60HZ	1/2	Compatible
Keystone	T12	KTEB-240-1-TP /E	Electronic	120V/60HZ	1/2	Compatible
Magnetek	T12	413-C-TC-P	Magnetic	120V/60HZ	1	Compatible
Magnetek	T12	446-L-SLH-TC-P	Magnetic	120V/60HZ	1/2	Compatible
Magnetek	T12	458-L-SLH-TC-P	Magnetic	277V/60HZ	1	Compatible
Osram	T12	QTP 2*40T12/UNV RS SC	Electronic	120-277V/60HZ	1/2	Compatible
Robertson	T12	CAT.NO.ES-240-120-TP	Magnetic	120V/60HZ	1/2	Compatible
SOLA	T12	E420-F-234 IC	Magnetic	120V/60HZ	1/2	Compatible
Utilitech	T12	#YZ-240	Electronic	120V/60HZ	1/2	Compatible
VF	T12	8G3905W	Magnetic	120V/60HZ	1/2	Compatible

 Compatible

 Not Compatible

 Not Tested



# Table #4 – T5 LED Tube - Standard Type A - Consumer

## IMPORTANT NOTICE:

This list is based on testing performed using a stable AC power supply under laboratory conditions, which may not be representative of particular end-use conditions. While each ballast model listed has undergone testing, some may have undergone revisions that may change operating parameters and impact lamp performance. Applications and conditions of use are many and varied and beyond our control, so purchasers and users should make their own determinations as to the suitability of a lamp-ballast combination for their own particular application and use. Compatibility may also extend to ballasts beyond this list, so performing an on-site test before installation is recommended. Contact a sales representative if the ballast to be used is not listed in the table. Information is subject to change without notice.

Manufacturer	Model Information	Input Voltage	2ft Compatible	1.75ft Compatible	1ft Compatible
GE	GE228MVPS-MC	120-277V/60HZ	Compatible	Compatible	Compatible
GE	GE228MVPS-MC-H	120-277V/60HZ	Compatible	Compatible	Compatible
GE	GE28T5/2-120-RES	120V/60HZ	Compatible	Compatible	Compatible
GE	GE 28T5-120-RES	120V/60HZ	Compatible	Compatible	Compatible
GE	GE228MVPS-N-S35	120-277V/60HZ	Compatible	Compatible	Compatible
PHILIPS	ICN-2S28-T	120-277V/60HZ	Compatible	Compatible	Compatible
PHILIPS	ICN-2S28-N	120-277V/60HZ	Not Compatible	Not Compatible	Compatible
PHILIPS	ICN-2S28-D	120-277V/60HZ	Not Compatible	Not Compatible	Not Compatible
OSRAM	QTP 1x28T5/UNV PSN	120-277V/60HZ	Compatible	Compatible	Not Compatible
OSRAM /SYLVANIA	QTP 2x28T5/UNV PSN	120-277V/60HZ	Compatible	Compatible	Compatible
OSRAM	QHES 2x28T5/UNVPS90-SC	120-277V/60HZ	Not Compatible	Compatible	Not Tested
ROBERTSON	PSA228T5MV	120-277V/60HZ	Not Compatible	Not Compatible	Not Compatible
Universal	B228PUNV-N	120-277V/60HZ	Compatible	Compatible	Compatible
HUAFENG	ENP-T5-28-S2SC	120-277V/60HZ	Not Compatible	Not Compatible	Not Compatible
KEYSTONE	KTEB-228-1-TP-PH-SL/B	120V/60HZ	Compatible	Compatible	Not Compatible
GE	GE 21T5-120-RES	120V/60HZ	Compatible	Compatible	Compatible
LUTRON	EHDT514MU110	120-277V/60HZ	Compatible	Compatible	Not Tested



# Table #5 – T5 LED Tube - Standard Type A - Consumer

## IMPORTANT NOTICE:

This list is based on testing performed using a stable AC power supply under laboratory conditions, which may not be representative of particular end-use conditions. While each ballast model listed has undergone testing, some may have undergone revisions that may change operating parameters and impact lamp performance. Applications and conditions of use are many and varied and beyond our control, so purchasers and users should make their own determinations as to the suitability of a lamp-ballast combination for their own particular application and use. Compatibility may also extend to ballasts beyond this list, so performing an on-site test before installation is recommended. Contact a sales representative if the ballast to be used is not listed in the table. Information is subject to change without notice.

Manufacturer	Model Information	Input Voltage	2ft Compatible	1.75ft Compatible	1ft Compatible
GE	GE28T5/2-120-RES	120V/60HZ	Compatible	Compatible	Compatible
GE	GE21T5/2-120-RES	120V/60HZ	Compatible	Compatible	Compatible
GE	GE228MVPS-MC	120-277V/60HZ	Compatible	Compatible	Compatible
GE	GE228MVPS-A	120-277V/60HZ	Not Compatible	Not Compatible	Not Compatible
PHILIPS	ICN-2S28	120-277V/60HZ	Compatible	Compatible	Compatible
PHILIPS	ICN-2S28-N	120-277V/60HZ	Compatible	Compatible	Compatible
SYLVANIA	QHE 2x28T5/UNV PSN	120-277V/60HZ	Compatible	Not Compatible	Not Compatible
OSRAM	QS 2x28T5/UNV/PS95-SC	120-277V/60HZ	Not Compatible	Not Compatible	Not Compatible
OSRAM	QTP 2X28T5/347PS95-SC	347V/60HZ	Compatible	Compatible	Compatible
OSRAM	OHES 2X28T5/UNVPS90-SC	120-277V/60HZ	Not Compatible	Not Compatible	Not Compatible
OSRAM	QS 2x28T5/UNV/PS115-SC	120-277V/60HZ	Not Compatible	Not Compatible	Not Compatible
UNIVERSAL	B228PU95S50D	120-277V/60HZ	Not Compatible	Not Compatible	Not Compatible
UNIVERSAL	B228PUNV-C	120-277V/60HZ	Not Compatible	Not Compatible	Not Compatible
UNIVERSAL	B228PUNV-N	120-277V/60HZ	Compatible	Not Compatible	Compatible
ACCUTSTART	B228PUNV-C	120-277V/60HZ	Compatible	Not Tested	Not Tested
KEystone	KTEB-228HE-UV-PS-SC	120-277V/60HZ	Compatible	Compatible	Compatible
HEPGROUP	SD214-35UNI	120-277V/60HZ	Compatible	Compatible	Compatible
RACEHORSE	RHA-UNV-228-L T5	120-277V/60HZ	Compatible	Compatible	Compatible
ESPEN	VE228MVHRP	120-277V/60HZ	Compatible	Compatible	Compatible
ULTRASAVE	ER221347MHT(2011.01)	277-347V/60HZ	Not Compatible	Compatible	Compatible
ULTRASAVE	ER221347MHT	277-347V/60HZ	Not Compatible	Compatible	Compatible
ULTRASAVE	ER235347MHT	277-347V/60HZ	Not Compatible	Not Compatible	Not Compatible
STANDARD	E228T5PS347/N/BULR	347V/60HZ	Compatible	Compatible	Compatible
STANDARD	E235T5PS347/N	347V/60HZ	Compatible	Compatible	Compatible
LUXUL	SI214-35 UNI	120-277V/60HZ	Compatible	Compatible	Compatible

 Compatible  
 Not Compatible  
 Not Tested



# Table #6 – T5 LED Tube - Standard Type A - Commercial

## IMPORTANT NOTICE:

This list is based on testing performed using a stable AC power supply under laboratory conditions, which may not be representative of particular end-use conditions. While each ballast model listed has undergone testing, some may have undergone revisions that may change operating parameters and impact lamp performance. Applications and conditions of use are many and varied and beyond our control, so purchasers and users should make their own determinations as to the suitability of a lamp-ballast combination for their own particular application and use. Compatibility may also extend to ballasts beyond this list, so performing an on-site test before installation is recommended. Contact a sales representative if the ballast to be used is not listed in the table. Information is subject to change without notice.

Manufacturer	Model Information	# of Tubes	Compatible?
General Electric	GE254MVPS90-A	2	Compatible
General Electric	GE254MVPS90-A-DIY	2	Compatible
General Electric	GE254MVPS-A	2	Not Compatible
General Electric	GE254MVPS-D	2	Compatible
General Electric	GE254MVPS-D-1	2	Compatible
General Electric	GE254PS347/480-F	2	Compatible
General Electric	GE254PS347-F	2	Compatible
Halco	EP254HO/PS/MV/MC	2	Compatible
Keystone	KTEB-254HO-UV-PS-SL	2	Compatible
Osram Sylvania	QTP 1x54T5HO/UNV PSN	1	Compatible
Osram Sylvania	QHE 2x54HO/UNV PSN HT	2	Compatible
Osram Sylvania	QHE 2x54T5 HO/UNV PSN	2	Compatible
Osram Sylvania	QHE 2x54T5HO/347-480 PSN HT	2	Not Compatible
Osram Sylvania	QHE2x54 T5HO/347-480 PSN HT	2	Not Compatible
Osram Sylvania	QTP 2x54T5HO/UNV PSN	2	Compatible
Osram Sylvania	QTP 2x54T5HO/347-480 PSN HT	2	Compatible
Philips Advance	HCN-2S54-90C-WL	2	Compatible
Philips Advance	ICN-2S54-90C	2	Compatible
Philips Advance	ICN-2S54-90C-N	2	Compatible
Philips Advance	ICN-2S54-90C-T	2	Compatible
Philips Advance	ICN-2S54-N	2	Compatible

Manufacturer	Model Information	# of Tubes	Compatible?
Philips Advance	ICN-2S54-T	2	Compatible
Philips Advance	ICRP-2PSP54-90C	2	Not Compatible
Philips Advance	IOP-2PSP54-SC	2	Compatible
Sunpark	U-2/54T5HO	2	Compatible
Ultrasave	ER254347HT-W	2	Compatible
Universal	B254PUNV-D	2	Not Compatible
General Electric	GE454MVPS90-E	4	Compatible
General Electric	GE454MVPS90-E-S	4	Compatible
General Electric	GE454MVPS90-F	4	Full load only
General Electric	GE454MVPS90-F-DIY	4	Full load only
General Electric	GE454PS347/480-E	4	Compatible
General Electric	GE454PS347-E	4	Compatible
Keystone	KTEB-454HO-UV-PS	4	Compatible
Osram Sylvania	QHE 4x54T5HO/UNV PSN HT SCL	4	Compatible
Osram Sylvania	QTP4x54T5HO UNV PSN HT W	4	Compatible
Philips Advance	HCN-4S54-90C-2LS-G	4	Compatible
Philips Advance	ICN-4S54-90C-2LS-G	4	Not Compatible
Philips Advance	ICRP-4PSP54-90C	4	Not Compatible
Philips Advance	IOP-4PSP54-2LS-G	4	Not Compatible
Universal	B454 PUNV-E	4	Not Compatible
Universal	B454 PUNVHB-E	4	Not Compatible

 Compatible  
 Not Compatible  
 See Notes