



Installation Instructions

T8 LED TUBE LIGHT

WESTGATE
THE FUTURE IS HERE...AND IT'S QUITE BRIGHT!

- Read and understand the detailed installation instructions before installing the LED T8 Tube Light.
- LED T8 Tube Lights are designed to work with Electronic/Magnetic Ballasts (check the ballast compatibility list) or AC direct wire. Work with single-end (either side) and double-end power input—the risk of fire or electric shock. Read and understand all installation instructions before installing LED T8 Tube Lights. Use in dry or damp locations only. Do not use where directly exposed to water or weather. Non-submergible (not water-tight).
- Disable all power to the fixture before inspection, installation, or removal. Failure to do so will create a hazardous and fatal working environment.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during installation.
- Do not open-no user-serviceable parts inside.

WARNING

- Note: if the tube is installed as type B, the luminaire, once modified as a retrofit fixture, will no longer operate fluorescent lamps. Not suitable for Use with Dimmer.

IMPORTANT SAFETY INSTRUCTIONS:

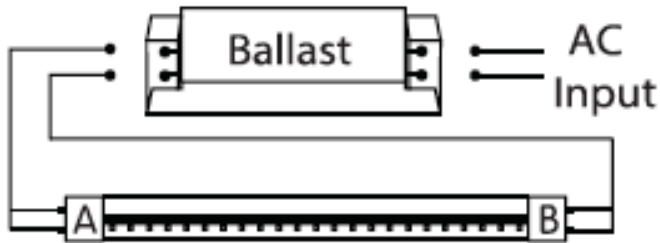
1. Risk of fire or electric shock. LED Retrofit kit installation requires knowledge of luminaire's electrical systems. If not qualified, DO NOT attempt installation. Contact a qualified electrician.
2. Risk of fire or electric shock. Install this kit only in the luminaires that have the construction features and dimensions shown in the photographs and drawings and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.
3. DO NOT make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
4. To prevent wiring damage or Abrasion, DO NOT Expose Wiring to edges of Sheet Metal or other Sharp Objects.
5. Installers should not disconnect existing wires from lamp holder terminals to make new connections at lamp holder terminals. Instead, the installer should cut the existing lamp holder leads away from the lamp holder and make new electrical connections to the lead wires by employing suitable connectors.
6. For a linear tubular LED Lamp conversion, there shall be text or a diagram showing how the supply connections were made to the lamp holders so the correct links will be made to the lamp where the lamp is installed or replaced.
7. This retrofit kit is accepted as a component of a luminaire where the suitability of the combination shall be determined by authorities having JURISDICTION.



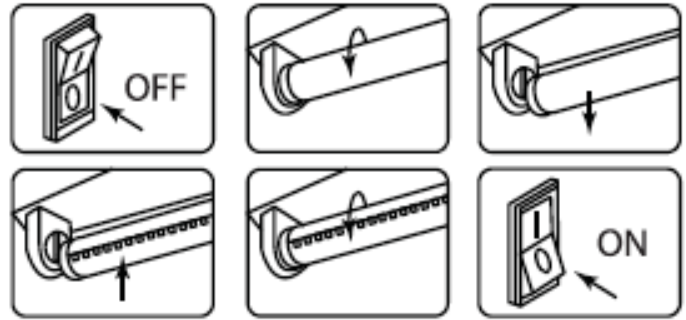
INSTALLATION

Type A

Assembly Introduction:



Installation Guide:



1
Switch-off power to the luminaire.

2
Remove Diffuser (if provided).

3
Remove the existing Fluorescent lamps from the luminaire.

4
Install the LED Tube Lamp.

5
Install Diffuser (if removed in step2)

6
Switch on power to the luminaire.

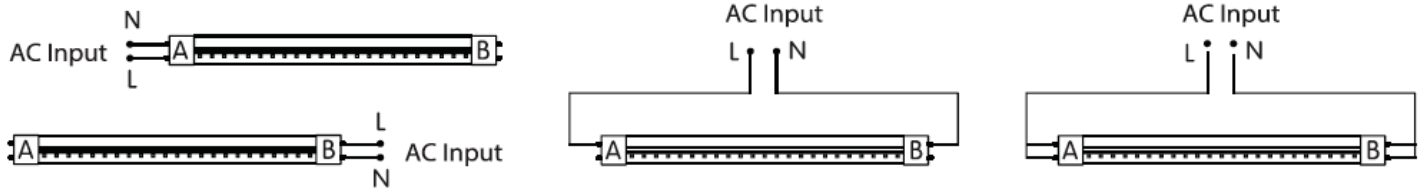
7
Before installation, check Specifications for the most Current Ballast Compatibility List. If not Compatible, insert LED Tubes according to Type B Installation Instructions.



Type B

Assembly Introduction:

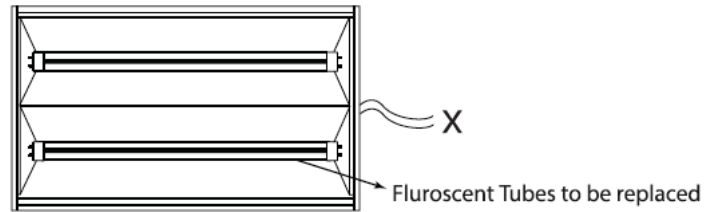
Note: The Tube can work with either single-end Power input or double-end input



1
Switch-off power to the luminaire.

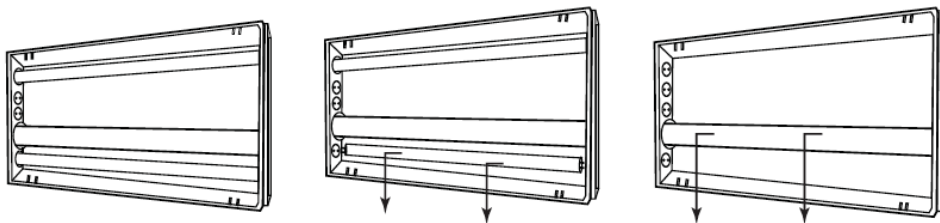
Disconnect power to luminaire or circuit (if possible). Ensure all power is OFF by using a voltmeter or other approved method to confirm.

Type B Installation Guide:



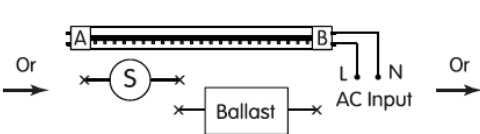
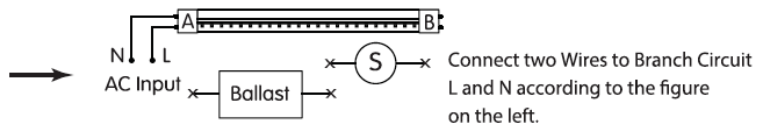
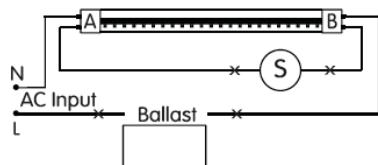
2
Remove existing tube lamp(s)

- a. Remove troffer lens, if present.
- b. Remove existing fluorescent tube by rotating one-quarter turn and sliding lamp(s)
- c. Remove ballast cover. (Cover may be secured with screw or tabs).

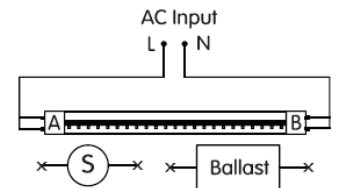
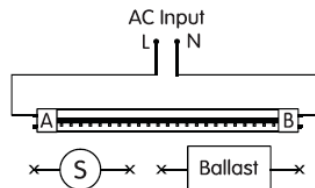


3
a. Retrofit luminaire-retrofit luminaire with inductive ballast

Disconnect the Wires between Starter and Ballast according to the figure on the right.



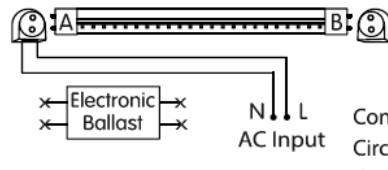
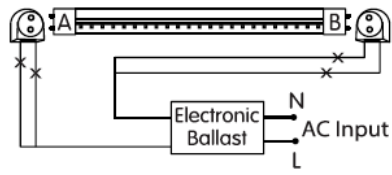
Disconnect the Wires between Starter and Ballast according to the figure on the right.



3

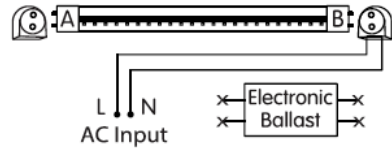
b. Retrofit luminaire-retrofit luminaire with inductive ballast

Disconnect the Wires between Ballast according to the figure on the right.

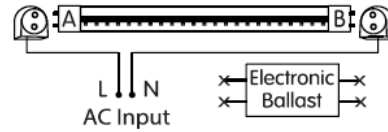


Connect two Wires to Branch Circuit L and N according to the figure on the left.

Or



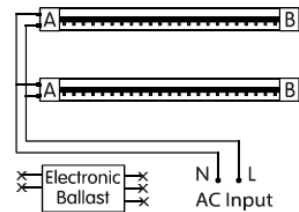
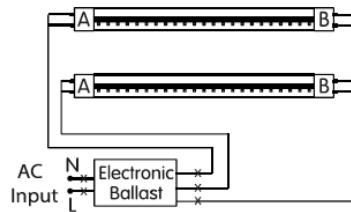
Or



3

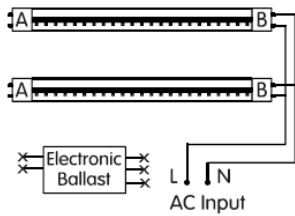
c. Retrofit luminaire-retrofit luminaire with two lamps and one electronic ballast

Disconnect the Wires between Ballast according to the figure on the right.

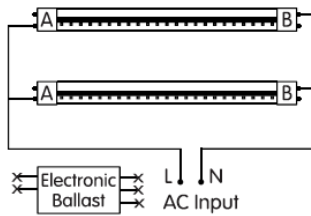


Connect two Wires to Branch Circuit L and N according to the figure on the left.

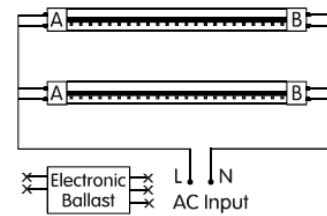
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Or



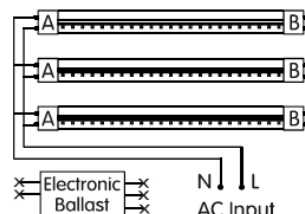
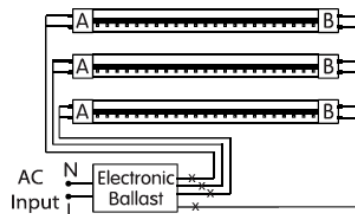
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3

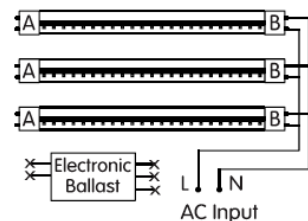
d. Retrofit luminaire-retrofit luminaire with three lamps and one electronic ballast

Disconnect the Wires between Ballast according to the figure on the right.

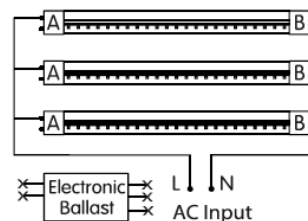


Connect two Wires to Branch Circuit L and N according to the figure on the left.

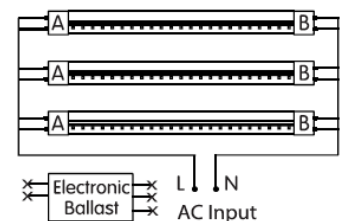
Or



Or

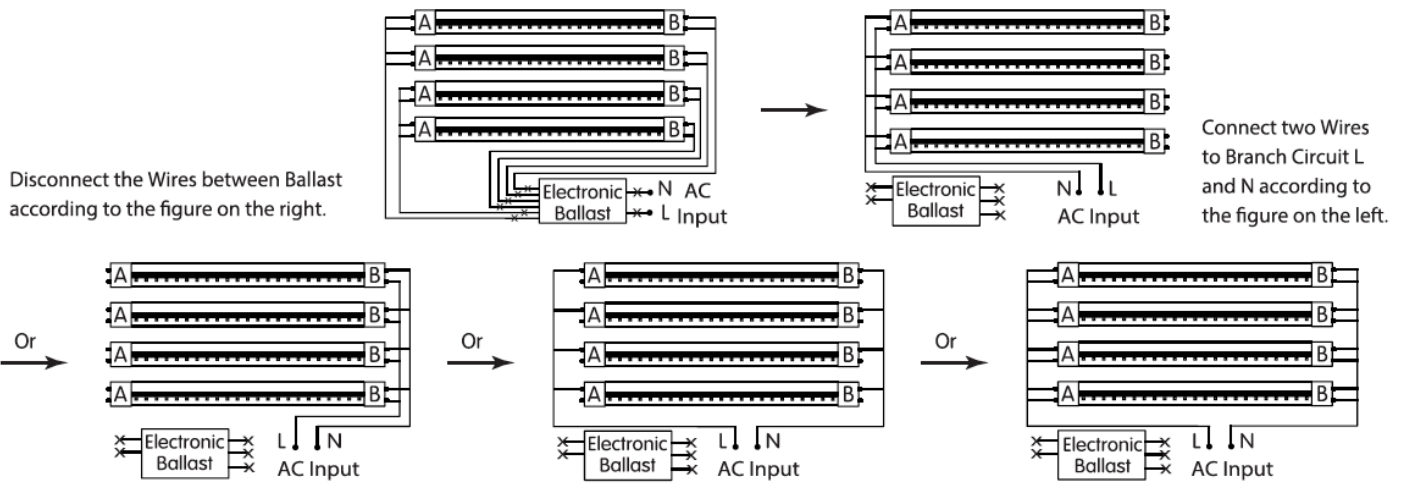


Or



3

e. Retrofit luminaire-retrofit luminaire with four lamps and one electronic ballast



4

Insert LED tubes

- Ensure both the ends of the LED tube are aligned with the socket, then insert the LED lamp in the usual way by sliding pins into sockets and rotating a quarter turn until the LED tube locks in the place.
- LED lamps are now fully installed.
- replace troffer lens if present.
- After the modification is completed, attach the replacement marking and cautionary label to a visible place on the luminaire and keep it visible after installation.

5

Restore the power of the luminaire

restore power to the circuit/luminaire and a test light. If necessary, adjust the position of the LED tube, and enjoy your new Led tube.



T8 Type A+B 18W LED Tube Ballast Compatibility List

No.	Brand	Model No.	Start Type
1	ACT	ACT3P32ISUNVE	Instant Start
2	ACT	ACT4P32ISUNVE	Instant Start
3	DAMAR	1688B	Instant Start
4	DAMAR	1688D	Instant Start
5	DAMAR	3654C	Instant Start
6	EIKO	PM-2X32T8-UNV-IS	Instant Start
7	ESPEN	VE232MVHIPL	Instant Start
8	ESPEN	VE2P32MVHIPE 11068	Instant Start
9	ESPEN	VE2P32MVHIPHE 11069	Instant Start
10	ESPEN	VE332MVHIPL	Instant Start
11	ESPEN	VE3P32MVHIPE 11070	Instant Start
12	ESPEN	VE3P32MVHIPL 11056	Instant Start
13	ESPEN	VE4P32MVHIPL 11072	Instant Start
14	ESPEN	VE4P32MVHIPL 11057	Instant Start
15	ESPEN	VEL-4P32-SC	Instant Start
16	ESPEN	VEL30BN-2C-10V (White)	Instant Start/Dimming
17	ESPEN	VEL30BN-2C-10V	Instant Start/Dimming
18	ESPEN	VEL30BN-2C-10V (White)	Instant Start/Dimming
19	ESPEN	VEL50BN-2C	Instant Start/Dimming
20	ESPEN	REZ-2S32-SC	Programmed Start
21	ESPEN	REZ-3S32-SC	Programmed Start
22	ESPEN	VE2P32MVHPPE 11080	Programmed Start
23	ESPEN	VE4P32MVHPPE 11086	Programmed Start
24	FULHAM	FH12-UNV-1400L-CEC	Emergency
25	GE	GE132MAX-G-N	Instant Start
26	GE	GE132MAX-H/Ultra	Instant Start
27	GE	GE-132-MV-N	Instant Start
28	GE	GE232-120RES-B	Instant Start
29	GE	GE232MAX-G-N	Instant Start
30	GE	GE232MAX-G-N-DIYB	Instant Start
31	GE	GE232MAX-G-N-DIYL	Instant Start
32	GE	GE232MAX-L/ULTRA	Instant Start



T8 Type A+B 18W LED Tube Ballast Compatibility List

No.	Brand	Model No.	Start Type
33	GE	GE-232-MV-N	Instant Start
34	GE	GE332MAX-G-H	Instant Start
35	GE	GE332MAX-G-N	Instant Start
36	GE	GE332MAX-G-N-DIYB	Instant Start
37	GE	GE332MAXP-N/ULTRA	Instant Start
38	GE	GE432MAX-G-N	Instant Start
39	GE	GE432MAXG-N-DIYL	Instant Start
40	GE	GE432MAX-UUltra	Instant Start
41	GE	GE432MAX-N/Ultra	Instant Start
42	GE	GE432MAXP-UUL TRA	Instant Start
43	GE	GE132-MVPS-H	Programmed Start
44	GE	GE-132-MV-PS-L	Programmed Start
45	GE	GE232-MV-PS-H	Programmed Start
46	GE	GE232-MVPS-L	Programmed Start
47	GE	GE232-MVPS-N	Programmed Start
48	GE	GE-232-MV-PS-N	Programmed Start
49	GE	GE-232-MVPS-XL	Programmed Start
50	GE	GE240RES120-4PK	Programmed Start
51	GE	GE240RES120-B	Programmed Start
52	GE	GE332-MVPS-L	Programmed Start
53	GE	GE-332-MVPS-XL	Programmed Start
54	HALCO	EP2/32IS/MV/MC/HE	Instant Start
55	HALCO	EP232IS/MV /HE	Instant Start
56	HALCO	EP332IS/UMV/HE	Instant Start
57	HALCO	EP332IS/MV /HE	Instant Start
58	HALCO	EP4/32IS/MV/MC/HE	Instant Start
59	HALCO	EP432IS/UMV/HE	Instant Start
60	HALCO	EPL2/32IS/MV/MC/HE	Instant Start
61	HALCO	EPL3/32IS/MV/SC/HE	Instant Start
62	HALCO	EPL4/32IS/MV/MC/HE	Instant Start
63	KEYSTONE	KT-EMRG-1400	Emergency
64	KEYSTONE	KT-EMRG-500-SL	Emergency
65	KEYSTONE	KTEB-232RIS-1-TP-SUJ	Instant Start



T8 Type A+B 18W LED Tube Ballast Compatibility List

No.	Brand	Model No.	Start Type
66	KEYSTONE	KTEP-232-UV-IS-NP	Instant Start
67	KEYSTONE	KTEB-332-UV-IS-N-P	Instant Start
68	KEYSTONE	KTEB-432RIS-1-TP-SL	Instant Start
69	KEYSTONE	KTEB-432-UV-IS-N-P	Instant Start
70	OSRAM SYLVANIA	QHE 1X32T8/UNV ISL-SC	Instant Start
71	OSRAM SYLVANIA	QHE 1X32T8/UNV ISN-SC	Instant Start
72	OSRAM SYLVANIA	QHE 2X32T8/UNV ISL-SC-1	Instant Start
73	OSRAM SYLVANIA	QHE 3X32T8/UNV HT-SC	Instant Start
74	OSRAM SYLVANIA	QHE 3XLEDT8/UNV-ISN-SC	Instant Start
75	OSRAM SYLVANIA	QHE 4X32T8/UNV ISN-SC	Instant Start
76	OSRAM SYLVANIA	QHE 4XLEDT8/UNV-ISN-SC	Instant Start
77	OSRAM SYLVANIA	QTP 2X59T8/UNV ISN-SC	Instant Start
78	OSRAM SYLVANIA	QTP 3X32T8/UNV ISN-SC	Instant Start
79	OSRAM SYLVANIA	QTP 4X32T8/UNV ISN-SC	Instant Start
80	OSRAM SYLVANIA	QHE 3X32T8/UNV-PSN-SC	Programmed Start
81	OSRAM SYLVANIA	QHE 4X32T8/UNV PSX-SC	Programmed Start
82	OSRAM SYLVANIA	QHE 2X32T8/UNV PSN-MC	Programmed Start
83	OSRAM SYLVANIA	QHE 2X32T8/UNV PSX-MC	Programmed Start
84	OSRAM SYLVANIA	QTP 2X32T8/UNV ISN-SC	Programmed Start
85	PHILIPS ADVANCE	ICN-1P32-N	Instant Start
86	PHILIPS ADVANCE	ICN-2P32-N	Instant Start
87	PHILIPS ADVANCE	ICN-3P32-N	Instant Start
88	PHILIPS ADVANCE	ICN-4P32-N	Instant Start
89	PHILIPS ADVANCE	IOP-2P32-HL-N	Instant Start
90	PHILIPS ADVANCE	IOP-2P32-LW-N	Instant Start
91	PHILIPS ADVANCE	IOP-2P32-N	Instant Start
92	PHILIPS ADVANCE	IOP-2P59-N	Instant Start
93	PHILIPS ADVANCE	IOPA-1P32-LW-N	Instant Start
94	PHILIPS ADVANCE	IOPA-2P32-LW-N	Instant Start
95	PHILIPS ADVANCE	IOPA-2P32-N	Instant Start
96	PHILIPS ADVANCE	IOPA-3P32-LW-N	Instant Start
97	PHILIPS ADVANCE	IOPA-3P32-LW-SC	Instant Start
98	PHILIPS ADVANCE	IOPA-3P32-N	Instant Start



T8 Type A+B 18W LED Tube Ballast Compatibility List

No.	Brand	Model No.	Start Type
99	PHILIPS ADVANCE	IOPA-4P32-LW-N	Instant Start
100	PHILIPS ADVANCE	IOPA-4P32-N	Instant Start
101	PHILIPS ADVANCE	REB-4P32-SC	Instant Start
102	PHILIPS ADVANCE	ICN-2S40-N	Programmed Start
103	PHILIPS ADVANCE	IOP-2PSP32-N	Programmed Start
104	PHILIPS ADVANCE	IOP-4PSP32-SC	Programmed Start
105	PHILIPS ADVANCE	RELB-2S40-N	Programmed Start
106	PLUSRITE	BAF232IS/MV	Instant Start
107	PLUSRITE	BAF332IS/MV	Instant Start
108	PLUSRITE	BAF432IS/MV	Instant Start
109	PLUSRITE	BAF232PS/MV	Programmed Start
110	ROBERTSON	IEA432T8120N 3P20135	Instant Start
111	SUNLITE	40155-SU-SB/232/MV	Instant Start
112	ULTRASAVE	UT 232347	Instant Start
113	UNIVERSAL	B232IUNV-C	Instant Start
114	UNIVERSAL	B232IUNVEL-N	Instant Start
115	UNIVERSAL	B232IUNVHEH-A	Instant Start
116	UNIVERSAL	B232IUNVHP-N	Instant Start
117	UNIVERSAL	B332IUNVEL-A	Instant Start
118	UNIVERSAL	B332IUNVHE-A	Instant Start
119	UNIVERSAL	B332IUNVHP-A	Instant Start
120	UNIVERSAL	B432IUNVHE-A	Instant Start
121	UNIVERSAL	B432IUNVHP-A	Instant Start
122	UNIVERSAL	B232PUNVHE-B	Programmed Start
123	UNIVERSAL	B432PUNVHE-A	Programmed Start



T8 Type A+B LED Tube (2FT 8W/ 3FT 12W) Ballast Compatibility List

No.	Brand	Model No.	Start Type
1	ACT	ACT3P32ISUNVE	Instant Start
2	ACT	ACT4P32ISUNVE	Instant Start
3	DAMAR	1688B	Instant Start
4	DAMAR	1688D	Instant Start
5	DAMAR	3654C	Instant Start
6	EIKO	PM-2X32T8-UNV-IS	Instant Start
7	EIKO	PM-3X32T8-UNV-IS	Instant Start
8	EIKO	PM-3X32T8-UNV-IS-H	Instant Start
9	EIKO	PM-4X32T8-UNV-IS	Instant Start
10	ESPEN	VE232MVHIPLE	Instant Start
11	ESPEN	VE2P32MVHIPE 11068	Instant Start
12	ESPEN	VE2P32MVHIPHE 11069	Instant Start
13	ESPEN	VE332MVHIPLE	Instant Start
14	ESPEN	VE3P32MVHIPE 11070	Instant Start
15	ESPEN	VE3P32MVHIPLE 11056	Instant Start
16	ESPEN	VE432120MIP	Instant Start
17	ESPEN	VE4P32MVHIPE 11072	Instant Start
18	ESPEN	VE4P32MVHIPHE 11073	Instant Start
19	ESPEN	VE4P32MVHIPLE 11057	Instant Start
20	ESPEN	VEL100BN-4C	Instant Start
21	ESPEN	VEL30BN-2C-10V	Instant Start/ Dimming
22	ESPEN	VEL30BN-2C-10V(White)	Instant Start/ Dimming
23	ESPEN	VEL50BN-2C	Instant Start
24	ESPEN	VE2P32MVHPPE 11080	Programmed Start
25	ESPEN	VE4P32MVHPPE 11086	Programmed Start
26	FULHAM	FH12-UNV-1400L-CEC	Emergency
27	GE	GE132MAX-G-N	Instant Start
28	GE	GE132MAX-H/Ultra	Instant Start
29	GE	GE132MAXP-L/ULTRA	Instant Start
30	GE	GE232-120RES-B	Instant Start
31	GE	GE232MAX-G-N	Instant Start
32	GE	GE232MAX-G-N-DIYB	Instant Start
33	GE	GE232MAX-L/ULTRA	Instant Start



T8 Type A+B LED Tube (2FT 8W/ 3FT 12W) Ballast Compatibility List

No.	Brand	Model No.	Start Type
34	GE	GE232MAXP-L/ULTRA	Instant Start
35	GE	GE-232-MV-N	Instant Start
36	GE	GE332MAX-G-H	Instant Start
37	GE	GE332MAX-G-N	Instant Start
38	GE	GE332MAX-G-N-DIYB	Instant Start
39	GE	GE332MAXP-H-42T	Instant Start
40	GE	GE332MAXP-L/ULTRA	Instant Start
41	GE	GE332MAXP-N/ULTRA	Instant Start
42	GE	GE432MAX-G-N	Instant Start
43	GE	GE432MAXG-N-DIYL	Instant Start
44	GE	GE432MAX-L/Ultra	Instant Start
45	GE	GE432MAX-N/Ultra	Instant Start
46	GE	GE432MAXP347-H	Instant Start
47	GE	GE432MAXP347-N	Instant Start
48	GE	GE432MAXPH/ULTRA	Instant Start
49	GE	GE432MAXP-H/ULTRA	Instant Start
50	GE	GE432MAXP-L/ULTRA	Instant Start
51	GE	GE132-MVPS-H	Programmed Start
52	GE	GE-132-MV-PS-L	Programmed Start
53	GE	GE232-MVPS-L	Programmed Start
54	GE	GE232-MVPS-N	Programmed Start
55	GE	GE232-MV-PS-N	Programmed Start
56	GE	GE-232-MVPS-XL	Programmed Start
57	GE	GE240RES120-4PK	Programmed Start
58	GE	GE240RES120-B	Programmed Start
59	GE	GE332-MVPS-L	Programmed Start
60	GE	GE332-MVPS-XL	Programmed Start
61	HALCO	EP2 32IS/MV/HE	Instant Start
62	HALCO	EP332IS/L/MV/HE	Instant Start
63	HALCO	EP332IS/MV/HE	Instant Start
64	HALCO	EP432IS/L/MV/HE	Instant Start
65	HOWARD	EP2/32IS/MV/MC/HE	Instant Start
66	HOWARD	EP4/32IS/MV/MC/HE	Instant Start



T8 Type A+B LED Tube (2FT 8W/ 3FT 12W) Ballast Compatibility List

No.	Brand	Model No.	Start Type
67	HOWARD	EPH4/32IS/MV/SC/HE	Instant Start
68	HOWARD	EPL2/32IS/MV/MC/HE	Instant Start
69	HOWARD	EPL3/32IS/MV/SC/HE	Instant Start
70	KEYSTONE	KT-EMRG-1400	Emergency
71	KEYSTONE	KT-EMRG-500-SL	Emergency
72	KEYSTONE	KTEB-232RIS-1-TP-SL/J	Instant Start
73	KEYSTONE	KTEB-232-UV-IS-N-P	Instant Start
74	KEYSTONE	KTEB-332-UV-IS-N-P	Instant Start
75	KEYSTONE	KTEB-432RIS-1-TP-SL	Instant Start
76	KEYSTONE	KTEB-432-UV-IS-N-P	Instant Start
77	OSRAM SYLVANIA	QHE 1X32T8/UNV ISL-SC	Instant Start
78	OSRAM SYLVANIA	QHE 1X32T8/UNV ISN-SC	Instant Start
79	OSRAM SYLVANIA	QHE 2X32T8/UNV ISL-SC-1	Instant Start
80	OSRAM SYLVANIA	QHE 3X32T8/UNV HT-SC	Instant Start
81	OSRAM SYLVANIA	QHE 3XLEDT8/UNV-ISN-SC	Instant Start
82	OSRAM SYLVANIA	QHE 4X32T8/UNV ISN-SC	Instant Start
83	OSRAM SYLVANIA	QHE 4XLEDT8/UNV-ISN-SC	Instant Start
84	OSRAM SYLVANIA	QTP 2X59T8/UNV ISN-SC	Instant Start
85	OSRAM SYLVANIA	QTP 3X32T8/UNV ISN-SC	Instant Start
86	OSRAM SYLVANIA	QTP 4X32T8/UNV ISN-SC	Instant Start
87	OSRAM SYLVANIA	QHE 2X32T8/UNV PSN-MC	Programmed Start
88	OSRAM SYLVANIA	QHE 2X32T8/UNV PSX-MC	Programmed Start
89	OSRAM SYLVANIA	QHE 3X32T8/UNV-PSN-SC	Programmed Start
90	OSRAM SYLVANIA	QHE 4X32T8/UNV PSX-SC	Programmed Start
91	OSRAM SYLVANIA	QTP 2X32T8/UNV DIM-TC	Programmed Start
92	OSRAM SYLVANIA	QTP 2X32T8/UNV ISN-SC	Programmed Start
93	PES	PES120ET5-E120T2	Instant Start
94	PHILIPS ADVANCE	ICN-1P32-N	Instant Start
95	PHILIPS ADVANCE	ICN-2M32-MC	Instant Start
96	PHILIPS ADVANCE	ICN-2P32-N	Instant Start
97	PHILIPS ADVANCE	ICN-3P32-N	Instant Start
98	PHILIPS ADVANCE	ICN-4P32-N	Instant Start
99	PHILIPS ADVANCE	IOP-2P32-HL-N	Instant Start



T8 Type A+B LED Tube (2FT 8W/ 3FT 12W) Ballast Compatibility List

No.	Brand	Model No.	Start Type
100	PHILIPS ADVANCE	IOP-2P32-LW-N	Instant Start
101	PHILIPS ADVANCE	IOP-2P32-N	Instant Start
102	PHILIPS ADVANCE	IOP-2P59-N	Instant Start
103	PHILIPS ADVANCE	IOPA-1P32-LW-N	Instant Start
104	PHILIPS ADVANCE	IOPA-1P32-N	Instant Start
105	PHILIPS ADVANCE	IOPA-2P32-LW-N	Instant Start
106	PHILIPS ADVANCE	IOPA-2P32-N	Instant Start
107	PHILIPS ADVANCE	IOPA-3P32-LW-N	Instant Start
108	PHILIPS ADVANCE	IOPA-3P32-LW-N-SC	Instant Start
109	PHILIPS ADVANCE	IOPA-3P32-N	Instant Start
110	PHILIPS ADVANCE	IOPA-4P32-LW-N	Instant Start
111	PHILIPS ADVANCE	IOPA-4P32-N	Instant Start
112	PHILIPS ADVANCE	REB-4P32-SC	Instant Start
113	PHILIPS ADVANCE	VEL-4P32-SC	Instant Start
114	PHILIPS ADVANCE	ICN-2S40-N	Programmed Start
115	PHILIPS ADVANCE	IOP-2PSP32-LW-N	Programmed Start
116	PHILIPS ADVANCE	IOP-2PSP32-N	Programmed Start
117	PHILIPS ADVANCE	IOP-4PSP32-LW-SC	Programmed Start
118	PHILIPS ADVANCE	IOP-4PSP32-SC	Programmed Start
119	PHILIPS ADVANCE	IZT-2S32-SC	Programmed Start
120	PHILIPS ADVANCE	RELB-2S40-N	Programmed Start
121	PHILIPS ADVANCE	REZ-2S32-SC	Programmed Start
122	PHILIPS ADVANCE	REZ-3S32-SC	Programmed Start
123	PLUSRITE	BAF232IS/MV	Instant Start
124	PLUSRITE	BAF332IS/MV	Instant Start
125	PLUSRITE	BAF432IS/MV	Instant Start
126	PLUSRITE	BAF232PS/MV	Programmed Start
127	ROBERTSON	IEA432T8120N 3P20135	Instant Start
128	SUNLITE	40155-SU·SB/232/MV	Instant Start
129	ULTRASAVE	UT 232347	Instant Start
130	UNIVERSAL	B232IUNV-C	Instant Start
131	UNIVERSAL	B232IUNVEL-N	Instant Start
132	UNIVERSAL	B232IUNVHEH-A	Instant Start



T8 Type A+B LED Tube (2FT 8W/ 3FT 12W) Ballast Compatibility List

No.	Brand	Model No.	Start Type
133	UNIVERSAL	B232IUNVHP-N	Instant Start
134	UNIVERSAL	B332IUNVEL-A	Instant Start
135	UNIVERSAL	B332IUNVHE-A	Instant Start
136	UNIVERSAL	B332IUNVHP-A	Instant Start
137	UNIVERSAL	B432IUNVHE-A	Instant Start
138	UNIVERSAL	B432IUNVHP-A	Instant Start
139	UNIVERSAL	B232PUNVHE-B	Programmed Start
140	UNIVERSAL	B432PUNVHE-A	Programmed Start

