

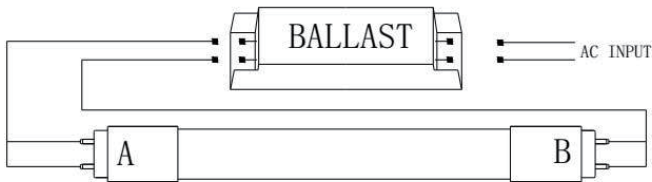
Type A LED T8 Tube Light INSTALLATION GUIDE

Please keep this Quick Installation Guide for future reference.
Modifications to the product void the Warranty.
Suitable to replace fluorescent lamps as specified on the product label.

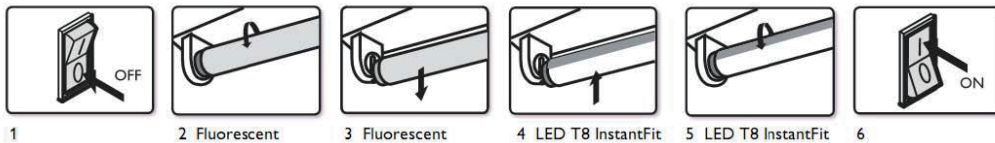
MARKINGS/WARNING :

- a. Risk of fire or electric shock. When work with electronic ballast please check the compatible list first! If you do not find your ballast on the list then please contact us! Do not install the LED tube with the ballast which not on the ballast compatible list!
- b. Risk of fire or electric shock. LED Retrofit Kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
- c. Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation
- d. To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

TYPE A -Assembly introduction:



Type A-Installation Guide:



Instructions

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 step 2)
6. Switch on power to the luminaire.
7. Before installation, please check specifications for the most current ballast compatibility list, if no match, stop the installation immediately and contact the supplier.

T8 Type A Tube Ballast Compatibility List

No.	Ballast Brand	Model No.	Start Method	Compatible Y/N
1	SYLVANIA	QHE 1X32T8/UNV ISN-SC	Instant Start	Y
2	SYLVANIA	QHE 1x32T8/UNV ISH HT SC	Instant Start	Y
3	SYLVANIA	QHE 2X32T8/UNV ISL-SC-1	Instant Start	Y
4	SYLVANIA	QHE 2x32T8/UNV ISN-SC	Instant Start	Y
5	SYLVANIA	QHE 2x32T8/UNV ISH HT-SC	Instant Start	Y
6	SYLVANIA	QHE 2x32T8/UNV ISL-SC	Instant Start	Y
7	SYLVANIA	QHE 3x32T8/UNV ISL-SC	Instant Start	Y
8	SYLVANIA	QHE 3xLEDT8/UNV-ISN-SC	Instant Start	Y
9	SYLVANIA	QHE 3x32T8/UNV ISH HT-SC	Instant Start	Y
10	SYLVANIA	QHE 4x32T8/UNV ISL-SC	Instant Start	Y
11	SYLVANIA	QHE 4x32T8/UNV ISN-SC	Instant Start	Y
12	SYLVANIA	QHE 4xLEDT8/UNV-ISN-SC	Instant Start	Y
13	SYLVANIA	QTP 3X32T8/UNV ISN-SC	Instant Start	Y
14	SYLVANIA	QTP 4X32T8/UNV ISN-SC	Instant Start	Y
15	SYLVANIA	QTP 1X32T8/UNV ISN-SC	Instant Start	Y
16	SYLVANIA	QHES 2X32T8/UNV PSL-SC	Programmed Start	Y
17	HALCO	EP2/32IS/MV/MC/HE	Instant Start	Y
18	HALCO	EPL2/32IS/MV/MC/HE	Instant Start	Y
19	HALCO	EP4/32IS/MV/MC/HE	Instant Start	Y
20	HALCO	EP332IS/L/MV/HE	Instant Start	Y
21	HALCO	EPH4/32IS/MV/SC/HE	Instant Start	Y
22	HALCO	EP332IS/MV/HE	Instant Start	Y
23	HALCO	EP432IS/L/MV/HE	Instant Start	Y
24	HALCO	EP232IS/MV/HE	Instant Start	Y
25	HALCO	EPL3/32IS/MV/MC/HE	Instant Start	Y
26	ACT	ACT4P32ISUNVE	Instant Start	Y
27	PLUSRITE	BAF332IS/MV	Instant Start	Y
28	PLUSRITE	BAF232IS/MV	Instant Start	Y
29	PLUSRITE	BAF232PS/MV	Programmed Start	Y
30	PLUSRITE	BAF432IS/MV	Instant Start	Y
31	UNIVERSAL	B432IUNVHE-A	Instant Start	Y
32	UNIVERSAL	B232IUNVHEH-A	Instant Start	Y
33	UNIVERSAL	B432IUNVHE-A	Instant Start	Y
34	UNIVERSAL	B332IUNVEL-A	Instant Start	Y
35	UNIVERSAL	B332IUNVHP-A	Instant Start	Y
36	UNIVERSAL	B432IUNVHP-A	Instant Start	Y
37	UNIVERSAL	B332IUNVEL-A	Instant Start	Y
38	UNIVERSAL	B232IUNV-C	Instant Start	Y
39	UNIVERSAL	B232PUNVHE-B	Programmed Start	Y
40	PHILIPS	IOP-2P32-LW-N	Instant Start	Y
41	PHILIPS	IOPA-2P32-LW-N	Instant Start	Y
42	PHILIPS	IOP-2P59-N	Instant Start	Y
43	PHILIPS	IOPA-3P32-LW-N	Instant Start	Y
44	PHILIPS	IOPA-4P32-LW-N	Instant Start	Y
45	PHILIPS	IOPA-4P32-N	Instant Start	Y
46	PHILIPS	ICN-3P32-N	Instant Start	Y
47	PHILIPS	IOPA-3P32-LW-N	Instant Start	Y
48	PHILIPS	IOPA-3P32-LW-SC	Instant Start	Y
49	PHILIPS	IOPA-1P32-LW-N	Instant Start	Y
50	PHILIPS	ICN-4P32-N	Instant Start	Y
51	PHILIPS	ICN-2P32-N	Instant Start	Y
52	PHILIPS	IOP-2PSP32-LW-N	Programmed Start	Y
53	PHILIPS	REZ-2S32-SC	Programmed Start Traic Dimming	Y
54	PHILIPS	REZ-3S32-SC	Programmed Start Traic Dimming	Y
55	PHILIPS	IZT-2S32-SC	Programmed Start	Y
56	PHILIPS	IOP-4PSP32-SC	Programmed Start	Y
57	GE	GE232MAX-L/ULTRA	Instant Start	Y
58	GE	GE132MAXP-L/ULTRA	Instant Start	Y
59	GE	GE132MAX-G-347	Instant Start	Y
60	GE	GE432MAX-L/ULTRA	Instant Start	Y
61	GE	GE-332-MVPS-XL	Instant Start	Y

No.	Ballast Brand	Model No.	Start Method	Compatible Y/N
62	GE	GE232-MV-PS-H	Instant Start	Y
63	GE	GE432MAXG-N-DIYL	Instant Start	Y
64	GE	GE332MAX-G-N	Instant Start	Y
65	GE	GE332MAXP-H-42T	Instant Start	Y
66	GE	GE132MAX-G-N	Instant Start	Y
67	GE	GE332MAX-G-H	Instant Start	Y
68	GE	GE332MAX-G-N-DIYB	Instant Start	Y
69	GE	GE432MAXPH/ULTRA	Instant Start	Y
70	GE	GE232MAX-G-N	Instant Start	Y
71	GE	GE232MAX-G-N-DIYB	Instant Start	Y
72	GE	GE432MAXG-N-DIYL	Instant Start	Y
73	GE	GE432MAX-G-N	Instant Start	Y
74	GE	GE232MAX-G-N-DIYB	Instant Start	Y
75	GE	GE-232-MV-N	Instant Start	Y
76	GE	GE-132-MV-N	Instant Start	Y
77	GE	GE232MAXP-L/ULTRA	Instant Start	Y
78	GE	GE432MAXP347-N	Instant Start	Y
79	GE	GE332MAXP-L/ULTRA	Instant Start	Y
80	GE	GE432MAXP347-H	Instant Start	Y
81	GE	GE432MAX-L/ULTRA	Instant Start	Y
82	GE	GE332MAXP-N/ULTRA	Instant Start	Y
83	GE	GE232-MVPS-N	Programmed Start	Y
84	GE	GE-232-MVPS-XL	Programmed Start	Y
85	GE	GE232-MVPS-L	Programmed Start	Y
86	GE	GE-132-MV-PS-L	Programmed Start	Y
87	GE	GE332-MVPS-L	Programmed Start	Y
88	DAMAR	ITEM NO.1688B	Instant Start	Y
89	DAMAR	ITEM NO.3654C	Instant Start	Y
90	DAMAR	ITEM NO.1688D	Instant Start	Y
91	KEYSTONE	KTEB-332-UV-IS-N-P	Instant Start	Y
92	KEYSTONE	KTEB-432-UV-IS-N-P	Instant Start	Y
93	KEYSTONE	KTEB-432RIS-1-TP-SL	Instant Start	Y
94	KEYSTONE	KTEB-232-UV-IS-N-P	Instant Start	Y
95	EIKO	PM-2X32T8-UNV-IS	Instant Start	Y
96	ESPEN	VE232MVHIPLE	Instant Start	Y
97	ESPEN	VE2P32MVHIPE	Instant Start	Y
98	ESPEN	VE4P32MVHIPE	Instant Start	Y
99	ESPEN	VE3P32MVHIPLE	Instant Start	Y
100	ESPEN	VE3P32MVHPPE	Instant Start	Y
101	ESPEN	VE3P32MVHIPE	Instant Start	Y
102	ESPEN	VE332MVHIPLE	Instant Start	Y
103	ESPEN	VE2P32MVHIPHE	Instant Start	Y
104	ESPEN	VE2P32MVHPPE 11080	Programmed Start	Y
105	ESPEN	VE4P32MVHPPE 11088	Programmed Start	Y
106	ESPEN	VEL30BN-2C-10V	Instant Start 0-10V dimming	Y
107	ESPEN	VEL30BN-2C-10V (White)	Instant Start 0-10V dimming	Y
108	ROBERTSON	IEA432T812N	Instant Start	Y
109	Sunlite	40155-SU.SB/232/MV	Instant Start	Y
110	Ultrasave	UT232347	Instant Start	Y
111	Electronic Ballast	B232PUNVHE-B	Programmed Start	Y
112	Electronic Ballast	B432PUNVHE-A	Programmed Start	Y