

FASTFIT™

Ballast Compatible LED T5 A12 Series

FASTFIT™ T5 Linear Tube

INSTALLATION INSTRUCTIONS

INSTRUCTIONS D'INSTALLATIO

For installation of E-Tech LED A12 Series FASTFIT T5 - UL Type A models:

1. Disconnect electrical power to luminaire (fixture).
2. Remove existing lamps and dispose of properly.
3. Inspect existing sockets to ensure that sockets are G5 bi-pin, and that they are intact and undamaged.
4. Confirm that existing ballast is included on the list "Tested Ballast Type" included with these installation instructions.
4. Confirm that existing ballast and sockets are connected per Wiring Diagram 1 below.
5. Insert FASTFIT tube into G5 sockets and rotate to secure.
6. Reconnect electrical power to luminaire.



WARNING

RISK OF ELECTRICAL SHOCK IMPORTANT SAFEGUARDS

READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

This lamp is UL tested and certified to UL1993 standards for installation in existing luminaires using G5 Bi-pin sockets. To ensure safety and rated lifespan, this product must be installed according to these instructions.

Do not use this equipment for other than the intended use.

DANGER - Risk of shock- Disconnect power before installation.

DANGER – Risque de choc - Couper l'alimentation avant l'installation.

WARNING- Risk of fire. Use only in place of T5 fluorescent lamps.

AVERTISSEMENT - Risque de feu. Utilisez uniquement à la place de lampes fluorescentes T5.

CAUTION - If the lamp or luminaire operates improperly (buzzing, flickering, etc.), turn off power, remove lamp from luminaire and contact qualified electrician.

ATTENTION - Si la lampe ou un luminaire fonctionne mal (bourdonnement, scintillement, etc.), mettre hors tension, retirez lampe luminaire et contact electricien.

WARNING - This lamp is for use in indoor / damp locations only. Not suitable for wet location.

ATTENTION - Ces lampes sont a utiliser dans un endroit humide a l'interieur seulement.

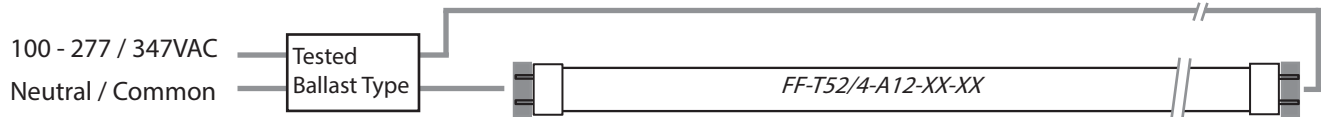
WARNING - This lamp is not intended for use with emergency exists.

ATTENTION - Ne convient pas aux sorties de secours.

WARNING - This lamp is not to be used with light dimming systems.

ATTENTION - Cette lampe ne doit ne pas être utilisé avec les systèmes de gradation de lumière.

Wiring Diagram 1



*Please refer to product data sheet for part number detail.



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T5 Tested Ballast List

Item	Manufacturer	Model	Type
1	Keystone	KTEB-254HO-UV-TP-PS	PS
2	Maxlite	SKEU542HOP	PS
3	EIKQ	PM-4X54T5 UNV PS	PS
4	Phillips-Advance	ICN-2S54-90C-N	PS
5	Phillips-Advance	ICN-2S54-90C-T	PS
6	Phillips-Advance	ICN-4S54-90C-2LS-G	PS
7	Phillips-Advance	HCN-2S54-90C-WL	PS
8	General Electric	GE454MVPS90-F	PS
9	General Electric	GE254MVPS90-A	PS
10	General Electric	GE454MVPS90-E-S	PS
11	Phillips-Advance	ICN-2S54-T	PS
12	LumaPro	4KGE7A EB-454PRS-U	PS
13	Fulham	RHA-UNV-254-LT5	PS
14	Fulham	RHA-UNV-454-LT5	PS
15	KEYSTONE	KTEB-254HO-UV-PS-SL	PS
16	KEYSTONE	KTEB-454HO-UV-PS	PS
17	Plusrite	BAF254PS/MV	PS
18	Plusrite	BAF454PS/MV	PS
19	Universal Lighting Technologies	B254PUNVHB-D	PS
20	Universal Lighting Technologies	B454PUNVHB-E	PRS
21	Universal Lighting Technologies	B454PUNV-E	PRS
22	OSRAM SYLVANIA	QHE 2x54T5HO/UNV PSN	PRS
23	HOWARD INDUSTRIES	EP2/54HO/PRS/MV/W/MC	PRS
24	SUNPARK	U-2/54T5HO	PS
25	HOWARD INDUSTRIES	EP2/54HO/PRS/MV/W/SC	PRS
26	HOWARD INDUSTRIES	EP4/54HO/PRS/MV	PRS
27	ESPEN	VE254MVHRP	PS
28	ESPEN	VE254MVHRP(11101)	PS
29	ESPEN	VE454MVHRP(11100)	PS
30	ESPEN	VE454MVHRP(11047)	PS

T8 Tested Ballast List

1	GE	GE-132MAX-L/ULTRA	INSTANT START BALLAST
2	GE	GE-232MAX-L/ULTRA	INSTANT START BALLAST
3	GE	GE-332MAX-L/ULTRA	INSTANT START BALLAST
4	GE	GE-432MAX-L/ULTRA	INSTANT START BALLAST
5	GE	GE-132MAX-N/ULTRA	INSTANT START BALLAST
6	GE	GE-232MAX-N/ULTRA	INSTANT START BALLAST
7	GE	GE-332MAX-N/ULTRA	INSTANT START BALLAST
8	GE	GE-432MAX-N/ULTRA	INSTANT START BALLAST
9	GE	GE-132MAX-H/ULTRA	INSTANT START BALLAST
10	GE	GE-232MAX-H/ULTRA	INSTANT START BALLAST
11	GE	GE-332MAX-H/ULTRA	INSTANT START BALLAST
12	GE	GE-432MAX-H/ULTRA	INSTANT START BALLAST
13	GE	GE-132MAX-347-L	INSTANT START BALLAST
14	GE	GE-232MAX-347-L	INSTANT START BALLAST
15	GE	GE-332MAX-347-L	INSTANT START BALLAST
16	GE	GE-432MAX-347-L	INSTANT START BALLAST
17	GE	GE-132MAX-347-N	INSTANT START BALLAST
18	GE	GE-232MAX-347-N	INSTANT START BALLAST
19	GE	GE-332MAX-347-N	INSTANT START BALLAST
20	GE	GE-432MAX-347-N	INSTANT START BALLAST
21	GE	GE-132MAX-347-H	INSTANT START BALLAST
22	GE	GE-232MAX-347-H	INSTANT START BALLAST
23	GE	GE-332MAX-347-H	INSTANT START BALLAST
24	GE	GE-432MAX-347-H	INSTANT START BALLAST
25	GE	GE-132MAX-H-42T	INSTANT START BALLAST
26	GE	GE-232MAX-H-42T	INSTANT START BALLAST
27	GE	GE-332MAX-H-42T	INSTANT START BALLAST
28	GE	GE-432MAX-H-42T	INSTANT START BALLAST
29	GE	GE-159MAX-N/ULTRA	INSTANT START BALLAST
30	GE	GE-132MAX-G-N-DIYB	INSTANT START BALLAST
31	GE	GE-232MAX-G-N-DIYB	INSTANT START BALLAST
32	GE	GE-332MAX-G-N-DIYB	INSTANT START BALLAST
33	GE	GE-432MAX-G-N-DIYB	INSTANT START BALLAST
34	GE	GE-132-120RESDIYB	INSTANT START BALLAST
35	GE	GE-232-120RESDIYB	INSTANT START BALLAST
36	GE	GE-332-120RESDIYB	INSTANT START BALLAST
37	GE	GE-432-120RESDIYB	INSTANT START BALLAST
38	GE	GE240RES120-DIYB	RAPID START BALLAST
39	GE	GE240RSMVN-DIYB	RAPID START BALLAST
40	GE	GE-132-120RES-DIY	INSTANT START BALLAST
41	GE	GE-232-120RES-DIY	INSTANT START BALLAST
42	GE	GE-332-120RES-DIY	INSTANT START BALLAST
43	GE	GE-432-120RES-DIY	INSTANT START BALLAST
44	GE	GE-232-120RES-B	INSTANT START BALLAST
45	GE	GE240RS120-DIY	RAPID START BALLAST
46	GE	GE-132MV-N-DIY	INSTANT START BALLAST
47	GE	GE-232MV-N-DIY	INSTANT START BALLAST
48	GE	GE-332MV-N-DIY	INSTANT START BALLAST
49	GE	GE-432MV-N-DIY	INSTANT START BALLAST
50	GE	GE-259MV-N-DIY	INSTANT START BALLAST
51	GE	GE-232-MVPS-N	RAPID START BALLAST
52	GE	GE-132-MV-N	INSTANT START BALLAST
53	GE	GE-232-MV-N	INSTANT START BALLAST
54	GE	GE-332-MV-N	INSTANT START BALLAST

55	GE	GE-432-MV-N	INSTANT START BALLAST
56	GE	GE-232MAXP-L/ULTRA	INSTANT START BALLAST
57	GE	GE-259MAX-G-N-DIYB	INSTANT START BALLAST
58	GE	GE260IS-MV-N	INSTANT START BALLAST
59	GE	GE260IS-MV-N-DIYB	RAPID START BALLAST
60	PHILIPS	ICN-2S28	PROGRAMMED START BALLAST
61	PHILIPS	ICN-2S28-N	PROGRAMMED START BALLAST
62	PHILIPS	IZT-132-SC	DIMMABLE PROGRAMMED START
63	PHILIPS	RZT-2S32	DIMMABLE PROGRAMMED START
64	PHILIPS	ICN-1P32-N	INSTANT START BALLAST
65	PHILIPS	ICN-2P32-N	INSTANT START BALLAST
66	PHILIPS	ICN-3P32-N	INSTANT START BALLAST
67	PHILIPS	ICN-4P32-N	INSTANT START BALLAST
68	PHILIPS	ICN-1S40-N	RAPID START BALLAST
69	PHILIPS	ICN-2S40-N	RAPID START BALLAST
70	PHILIPS	ICN-3S40-N	RAPID START BALLAST
71	PHILIPS	ICN-4S40-N	RAPID START BALLAST
72	PHILIPS	REB-1P32-SC	INSTANT START BALLAST
73	PHILIPS	REB-2P32-SC	INSTANT START BALLAST
74	PHILIPS	REB-3P32-SC	INSTANT START BALLAST
75	PHILIPS	REB-4P32-SC	INSTANT START BALLAST
	PHILIPS	REL-3P32-HL-SC	INSTANT START BALLAST
76	PHILIPS	RELB-1S40-N	RAPID START BALLAST
77	PHILIPS	RELB-2S40-N	RAPID START BALLAST
78	PHILIPS	RELB-3S40-N	RAPID START BALLAST
79	PHILIPS	RELB-4S40-N	RAPID START BALLAST
80	PHILIPS	IOP-1PSP32-SC	PROGRAMMED START BALLAST
81	PHILIPS	IOP-2PSP32-SC	PROGRAMMED START BALLAST
82	PHILIPS	IOP-3PSP32-SC	PROGRAMMED START BALLAST
83	PHILIPS	IOP-4PSP32-SC	PROGRAMMED START BALLAST
84	PHILIPS	IOP-1PSP32-LW-N	PROGRAMMED START BALLAST
85	PHILIPS	IOP-2PSP32-LW-N	PROGRAMMED START BALLAST
86	PHILIPS	IOP-3PSP32-LW-N	PROGRAMMED START BALLAST
87	PHILIPS	IOP-4PSP32-LW-N	PROGRAMMED START BALLAST
88	PHILIPS	IOPA-1P32-N	INSTANT START BALLAST
89	PHILIPS	IOPA-2P32-N	INSTANT START BALLAST
90	PHILIPS	IOPA-3P32-N	INSTANT START BALLAST
91	PHILIPS	IOPA-4P32-N	INSTANT START BALLAST
92	PHILIPS	IOPA-1P32-LW-N	INSTANT START BALLAST
93	PHILIPS	IOPA-2P32-LW-N	INSTANT START BALLAST
94	PHILIPS	IOPA-3P32-LW-N	INSTANT START BALLAST
95	PHILIPS	IOPA-4P32-LW-N	INSTANT START BALLAST
96	PHILIPS	GOPA-1P32-SC	INSTANT START BALLAST
97	PHILIPS	GOPA-2P32-SC	INSTANT START BALLAST
98	PHILIPS	GOPA-3P32-SC	INSTANT START BALLAST
99	PHILIPS	GOPA-4P32-SC	INSTANT START BALLAST
100	SYLVANIA	QHE1x32T8/UNV ISL-SC	INSTANT START BALLAST
101	SYLVANIA	QHE2x32T8/UNV ISL-SC	INSTANT START BALLAST
102	SYLVANIA	QHE3x32T8/UNV ISL-SC	INSTANT START BALLAST
103	SYLVANIA	QHE4x32T8/UNV ISL-SC	INSTANT START BALLAST
104	SYLVANIA	QHE1x32T8/UNV ISN-SC	INSTANT START BALLAST
105	SYLVANIA	QHE2x32T8/UNV ISN-SC	INSTANT START BALLAST
106	SYLVANIA	QHE3x32T8/UNV ISN-SC	INSTANT START BALLAST
107	SYLVANIA	QHE4x32T8/UNV ISN-SC	INSTANT START BALLAST
108	SYLVANIA	QHE1x32T8/UNV ISH-SC	INSTANT START BALLAST
109	SYLVANIA	QHE2x32T8/UNV ISH-SC	INSTANT START BALLAST
110	SYLVANIA	QHE3x32T8/UNV ISH-SC	INSTANT START BALLAST
111	SYLVANIA	QHE4x32T8/UNV ISH-SC	INSTANT START BALLAST
112	SYLVANIA	QHE1x32T8/UNV ISL-SC-1	INSTANT START BALLAST
113	SYLVANIA	QHE2x32T8/UNV ISL-SC-1	INSTANT START BALLAST
114	SYLVANIA	QHE3x32T8/UNV ISL-SC-1	INSTANT START BALLAST
115	SYLVANIA	QHE4x32T8/UNV ISL-SC-1	INSTANT START BALLAST
116	SYLVANIA	QHE1x32T8/UNV ISN-SC-1	INSTANT START BALLAST
117	SYLVANIA	QHE2x32T8/UNV ISN-SC-1	INSTANT START BALLAST
118	SYLVANIA	QHE3x32T8/UNV ISN-SC-1	INSTANT START BALLAST
119	SYLVANIA	QHE4x32T8/UNV ISN-SC-1	INSTANT START BALLAST
120	SYLVANIA	QHE1x32T8/UNV ISH-SC-1	INSTANT START BALLAST
121	SYLVANIA	QHE2x32T8/UNV ISH-SC-1	INSTANT START BALLAST
122	SYLVANIA	QHE3x32T8/UNV ISH-SC-1	INSTANT START BALLAST
123	SYLVANIA	QHE4x32T8/UNV ISH-SC-1	INSTANT START BALLAST
124	SYLVANIA	QTP1x32T8/UNV PSN-SC	PROGRAMMED RAPID START BALLAST
125	SYLVANIA	QTP2x32T8/UNV PSN-SC	PROGRAMMED RAPID START BALLAST
126	SYLVANIA	QTP3x32T8/UNV PSN-SC	PROGRAMMED RAPID START BALLAST
127	SYLVANIA	QTP4x32T8/UNV PSN-SC	PROGRAMMED RAPID START BALLAST
128	SYLVANIA	QHE1x32T8/UNV PSN-MC	PROGRAMMED RAPID START BALLAST
129	SYLVANIA	QHE2x32T8/UNV PSN-MC	PROGRAMMED RAPID START BALLAST
130	SYLVANIA	QHE3x32T8/UNV PSN-MC	PROGRAMMED RAPID START BALLAST
131	SYLVANIA	QHE4x32T8/UNV PSN-MC	PROGRAMMED RAPID START BALLAST
132	SYLVANIA	QHE1x32T8/347 ISL-SC	INSTANT START BALLAST
133	SYLVANIA	QHE2x32T8/347 ISL-SC	INSTANT START BALLAST
134	SYLVANIA	QHE3x32T8/347 ISL-SC	INSTANT START BALLAST
135	SYLVANIA	QHE4x32T8/347 ISL-SC	INSTANT START BALLAST
136	SYLVANIA	QHE1x32T8/347 ISN-SC	INSTANT START BALLAST
137	SYLVANIA	QHE2x32T8/347 ISN-SC	INSTANT START BALLAST
138	SYLVANIA	QHE3x32T8/347 ISN-SC	INSTANT START BALLAST
139	SYLVANIA	QHE4x32T8/347 ISN-SC	INSTANT START BALLAST
140	SYLVANIA	QHE1x32T8/347 ISH-SC	INSTANT START BALLAST
141	SYLVANIA	QHE2x32T8/347 ISH-SC	INSTANT START BALLAST
142	SYLVANIA	QHE3x32T8/347 ISH-SC	INSTANT START BALLAST
143	SYLVANIA	QHE4x32T8/347 ISH-SC	INSTANT START BALLAST
144	SYLVANIA	QTP1x32T8/UNV ISL-SC	INSTANT START BALLAST

145	SYLVANIA	QTP2x32T8/UNV ISL-SC	INSTANT START BALLAST
146	SYLVANIA	QTP3x32T8/UNV ISL-SC	INSTANT START BALLAST
147	SYLVANIA	QTP4x32T8/UNV ISL-SC	INSTANT START BALLAST
148	SYLVANIA	QTP1x32T8/UNV ISN-SC	INSTANT START BALLAST
149	SYLVANIA	QTP2x32T8/UNV ISN-SC	INSTANT START BALLAST
150	SYLVANIA	QTP3x32T8/UNV ISN-SC	INSTANT START BALLAST
151	SYLVANIA	QTP4x32T8/UNV ISN-SC	INSTANT START BALLAST
152	SYLVANIA	QTP1x32T8/UNV ISH-SC	INSTANT START BALLAST
153	SYLVANIA	QTP2x32T8/UNV ISH-SC	INSTANT START BALLAST
154	SYLVANIA	QTP3x32T8/UNV ISH-SC	INSTANT START BALLAST
155	SYLVANIA	QTP4x32T8/UNV ISH-SC	INSTANT START BALLAST
156	SYLVANIA	QTP1x40T12/UNV RS-SC	RAPID START BALLAST
157	SYLVANIA	QTP2x40T12/UNV RS-SC	RAPID START BALLAST
158	SYLVANIA	QTP3x40T12/UNV RS-SC	RAPID START BALLAST
159	SYLVANIA	QTP4x40T12/UNV RS-SC	RAPID START BALLAST
160	SYLVANIA	QHE1x59T8/UNV ISL-SC	INSTANT START BALLAST
161	SYLVANIA	QHE2x59T8/UNV ISL-SC	INSTANT START BALLAST
162	SYLVANIA	QHE3x59T8/UNV ISL-SC	INSTANT START BALLAST
163	SYLVANIA	QHE4x59T8/UNV ISL-SC	INSTANT START BALLAST
164	SYLVANIA	QHE1x59T8/UNV ISN-SC	INSTANT START BALLAST
165	SYLVANIA	QHE2x59T8/UNV ISN-SC	INSTANT START BALLAST
166	SYLVANIA	QHE3x59T8/UNV ISN-SC	INSTANT START BALLAST
167	SYLVANIA	QHE4x59T8/UNV ISN-SC	INSTANT START BALLAST
168	SYLVANIA	QHE1x59T8/UNV ISH-SC	INSTANT START BALLAST
169	SYLVANIA	QHE2x59T8/UNV ISH-SC	INSTANT START BALLAST
170	SYLVANIA	QHE3x59T8/UNV ISH-SC	INSTANT START BALLAST
171	SYLVANIA	QHE4x59T8/UNV ISH-SC	INSTANT START BALLAST
172	SUNPARK	U-1/32PSE	RAPID START BALLAST
173	SUNPARK	U-2/32PSE	RAPID START BALLAST
174	SUNPARK	U-3/32PSE	RAPID START BALLAST
175	SUNPARK	U-1/32ISE	INSTANT START BALLAST
176	SUNPARK	U-2/32ISE	INSTANT START BALLAST
177	SUNPARK	U-3/32ISE	INSTANT START BALLAST
178	SUNPARK	U-1/32ISE-HBF	INSTANT START BALLAST
179	SUNPARK	U-2/32ISE-HBF	INSTANT START BALLAST
180	SUNPARK	U-1/32ISE-LBF	INSTANT START BALLAST
181	SUNPARK	U-2/32ISE-LBF	INSTANT START BALLAST
182	SUNPARK	U-2/32IS	INSTANT START BALLAST
183	SUNPARK	120-2/32IS-HPF	INSTANT START BALLAST
184	SUNPARK	SP120-2/40LT	RAPID START BALLAST
185	SUNPARK	SL15T	RAPID START BALLAST
186	ROBERTSON	ISU232T8120	INSTANT START BALLAST
187	ROBERTSON	PSA224T5MV	PROGRAMMED START BALLAST
188	TRIAD	B232IUNVEL-A	INSTANT START BALLAST
189	TRIAD	B232IUNVHP-B	INSTANT START BALLAST
190	TRIAD	B232IUNVHP-N	INSTANT START BALLAST
191	TRIAD	B234SR120M-A	RAPID START BALLAST
192	HI	EPH2/32IS/MV/MC/HE	INSTANT START BALLAST
193	HI	E2/40RS-120MC	RAPID START BALLAST
194	ESPEN	VE232MVHIPLE	INSTANT START BALLAST
195	ESPEN	VE259120HIP	INSTANT START BALLAST
196	PROLUME	EP232IS/L/MV/SL	INSTANT START BALLAST
197	WORKHORSE	WH3-120-L	INSTANT START BALLAST
198	SUPERIOR LIFE	70201	INSTANT START BALLAST
199	LUNAPRO	EB232PRS-U-ES	PROGRAMMED RAPID START BALLAST