

FASTFIT™

Ballast Compatible / Line Voltage
LED A2 Series - T8 Ubend

FASTFIT™ A2 UBendTube

INSTALLATION INSTRUCTIONS

INSTRUCTIONS D'INSTALLATIO

For installation of E-Tech LED A2 Series FASTFIT
UBend 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 G13 - 2 pin, and that they are intact and undamaged.
4. If this tube is being used with existing ballast proceed to step 8.
5. If this tube is being installed with the existing ballast removed and line voltage connected directly to tube proceed with step 6.
6. Remove existing ballast and dispose of properly.
7. Wire 100-277VAC line voltage circuit as shown in Wiring Diagram 1 below.
8. Confirm that existing ballast is included on the list "Tested Ballast Type" included with these installation instructions.
9. Insert FASTFIT tube into G13 sockets.
10. Reconnect electrical power to luminaire.



WARNING

RISK OF ELECTRICAL SHOCK IMPORTANT SAFEGUARDS

READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

This lamp is ETL tested and certified to UL1993 standards for installation in existing luminaires using G13 2-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 fluorescent lamps.

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

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.

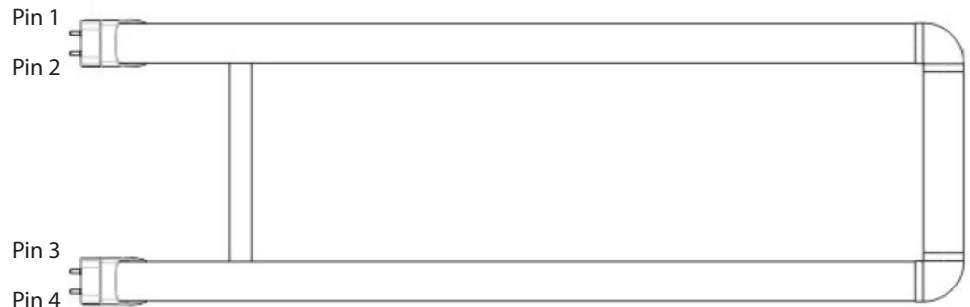
ATTENTION - Ne convient pas aux sorties de secours.

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

Line Voltage Wiring
Line Voltage / Neutral wire combinations:
Pin 1 & Pin 2
Pin 3 & Pin 4
Pin 1 & Pin 3
Pin 2 & Pin 4
Pin 2 & Pin 3
Pin 1 & Pin 4



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Tested Ballast List

Item	Manufacturer	Model	Type	Compatible
1	Philips-Advance	ICN-IP32-N	Instant Start Ballast	✓
2	Philips-Advance	ICN-2P32-N	Instant Start Ballast	✓
3	Philips-Advance	ICN-3P32-N	Instant Start Ballast	✓
4	Philips-Advance	ICN-4P32-N	Instant Start Ballast	✓
5	Philips-Advance	IOPA-IP32-N	Instant Start Ballast	✓
6	Philips-Advance	IOPA-2P32-N	Instant Start Ballast	✓
7	Philips-Advance	IOPA-3P32-N	Instant Start Ballast	✓
8	Philips-Advance	IOPA-4P32-N	Instant Start Ballast	✓
9	Philips-Advance	IOPA-IP32-HL-SC	Instant Start Ballast	✓
10	Philips-Advance	IOPA-2P32-HL-SC	Instant Start Ballast	✓
11	Philips-Advance	IOPA-3P32-HL-SC	Instant Start Ballast	✓
12	Philips-Advance	IOPA-4P32-HL-SC	Instant Start Ballast	✓
13	Philips-Advance	ICN-IP32-SC	Instant Start Ballast	✓
14	Philips-Advance	ICN-2P32-SC	Instant Start Ballast	✓
15	Philips-Advance	ICN-3P32-SC	Instant Start Ballast	✓
16	Philips-Advance	ICN-4P32-SC	Instant Start Ballast	✓
17	Philips-Advance	REB-1P32-SC	Instant Start Ballast	✓
18	Philips-Advance	REB-2P32-SC	Instant Start Ballast	✓
19	Philips-Advance	REB-3P32-SC	Instant Start Ballast	✓
20	Philips-Advance	REB-4P32-SC	Instant Start Ballast	✓
21	Philips-Advance	IOP-1P32-LW-SC	Instant Start Ballast	✓
22	Philips-Advance	IOP-2P32-LW-SC	Instant Start Ballast	✓
23	Philips-Advance	IOP-3P32-LW-SC	Instant Start Ballast	✓
24	Philips-Advance	IOP-4P32-LW-SC	Instant Start Ballast	✓
25	Philips-Advance	IOPA-1P32-LW-N	Instant Start Ballast	✓
26	Philips-Advance	IOPA-2P32-LW-N	Instant Start Ballast	✓
27	Philips-Advance	IOPA-3P32-LW-N	Instant Start Ballast	✓
28	Philips-Advance	IOPA-4P32-LW-N	Instant Start Ballast	✓
29	Philips-Advance	IOPA-1P32-N	Instant Start Ballast	✓
30	Philips-Advance	IOPA-2P32-N	Instant Start Ballast	✓
31	Philips-Advance	IOPA-3P32-N	Instant Start Ballast	✓
32	Philips-Advance	IOPA-4P32-N	Instant Start Ballast	✓
33	Philips-Advance	IOP-1P32-SC	Instant Start Ballast	✓
34	Philips-Advance	IOP-2P32-SC	Instant Start Ballast	✓
35	Philips-Advance	IOP-3P32-SC	Instant Start Ballast	✓
36	Philips-Advance	IOP-4P32-SC	Instant Start Ballast	✓
37	Philips-Advance	IOPA-1P32-HL-SC	Instant Start Ballast	✓
38	Philips-Advance	IOPA-2P32-HL-SC	Instant Start Ballast	✓
39	Philips-Advance	IOPA-3P32-HL-SC	Instant Start Ballast	✓
40	Philips-Advance	IOPA-4P32-HL-SC	Instant Start Ballast	✓
41	Philips-Advance	IOP-1PSP32-HL-SC	Program Start Ballast	✓
42	Philips-Advance	IOP-2PSP32-HL-SC	Program Start Ballast	✓
43	Philips-Advance	IOP-3PSP32-HL-SC	Program Start Ballast	✓
44	Philips-Advance	IOP-4PSP32-HL-SC	Program Start Ballast	✓
45	Philips-Advance	IOP-1PSP32-HL-SC	Program Start Ballast	✓
46	Philips-Advance	IOP-2PSP32-HL-SC	Program Start Ballast	✓
47	Philips-Advance	IOP-3PSP32-HL-SC	Program Start Ballast	✓
48	Philips-Advance	IOP-4PSP32-HL-SC	Program Start Ballast	✓

Item	Manufacturer	Model	Type	Compatible
49	Philips-Advance	IOP-IPSP32-LW-SC	Program Start Ballast	✓
50	Philips-Advance	IOP-2PSP32-LW-SC	Program Start Ballast	✓
51	Philips-Advance	IOP-3PSP32-LW-SC	Program Start Ballast	✓
52	Philips-Advance	IOP-4PSP32-LW-SC	Program Start Ballast	✓
53	Philips-Advance	IOP-IPSP32-SC	Program Start Ballast	✓
54	Philips-Advance	IOP-2PSP32-SC	Program Start Ballast	✓
55	Philips-Advance	IOP-3PSP32-SC	Program Start Ballast	✓
56	Philips-Advance	IOP-4PSP32-SC	Program Start Ballast	✓
57	Philips-Advance	GOPA-1P32-SC	Instant Start Ballast	✓
58	Philips-Advance	GOPA-2P32-SC	Instant Start Ballast	✓
59	Philips-Advance	GOPA-3P32-SC	Instant Start Ballast	✓
60	Philips-Advance	GOPA-4P32-SC	Instant Start Ballast	✓
61	Philips-Advance	GOP-IPSP32-SC	Instant Start Ballast	✓
62	Philips-Advance	GOP-2PSP32-SC	Instant Start Ballast	✓
63	Philips-Advance	GOP-3PSP32-SC	Instant Start Ballast	✓
64	Philips-Advance	GOP-4PSP32-SC	Instant Start Ballast	✓
65	Philips-Advance	GOPA-1P32-LW-SC	Instant Start Ballast	✓
66	Philips-Advance	GOPA-2P32-LW-SC	Instant Start Ballast	✓
67	Philips-Advance	GOPA-3P32-LW-SC	Instant Start Ballast	✓
68	Philips-Advance	GOPA-4P32-LW-SC	Instant Start Ballast	✓
69	Philips-Advance	HOP-2PSP32-HL-SC	Program Start Ballast	✓
70	Philips-Advance	HOP-3PSP32-HL-SC	Program Start Ballast	✓
71	Philips-Advance	HOP-4PSP32-HL-G	Program Start Ballast	✓
72	Philips-Advance	IOPA-3P32-HL-90-SC	Instant Start Ballast	✓
73	Philips-Advance	IOPA-4P32-HL-90-SC	Instant Start Ballast	✓
74	Philips-Advance	RELB-2S40-N	Rapid Start Ballast	✓
75	Philips-Advance	ICN-2S40-N	Rapid Start Ballast	✓
76	Philips-Advance	ICN-2S24	Program Start Ballast	✓
77	Philips-Advance	ICN-2S24-N	Program Start Ballast	✓
78	Philips-Advance	ICN-2S39	Program Start Ballast	✓
79	Philips-Advance	ICN-2S39-N	Program Start Ballast	✓
80	Philips-Advance	ICN-2S28	Program Start Ballast	✓
81	Philips-Advance	ICN-2S28-N	Program Start Ballast	✓
82	Philips-Advance	ICN-2S54	Program Start Ballast	✓
83	Philips-Advance	ICN-2S54-N	Program Start Ballast	✓
84	GE	GE-132-MAX-N/Ultra	Instant Start Ballast	✓
85	GE	GE-232-MAX-N/Ultra	Instant Start Ballast	✓
86	GE	GE-332-MAX-N/Ultra	Instant Start Ballast	✓
87	GE	GE-432-MAX-N/Ultra	Instant Start Ballast	✓
88	GE	GE-132-MAX-L/Ultra	Instant Start Ballast	✓
89	GE	GE-232-MAX-L/Ultra	Instant Start Ballast	✓
90	GE	GE-332-MAX-L/Ultra	Instant Start Ballast	✓
91	GE	GE-432-MAX-L/Ultra	Instant Start Ballast	✓
92	GE	GE-132-MAX-H/Ultra	Instant Start Ballast	✓
93	GE	GE-232-MAX-H/Ultra	Instant Start Ballast	✓
94	GE	GE-332-MAX-H/Ultra	Instant Start Ballast	✓
95	GE	GE-432-MAX-H/Ultra	Instant Start Ballast	✓
96	GE	B132PUNVHP-N	Program Rapid Start Ballast	✓
97	GE	B232PUNVHP-N	Program Rapid Start Ballast	✓
98	GE	B332PUNVHP-A	Program Rapid Start Ballast	✓
99	GE	B432PUNVHP-A	Program Rapid Start Ballast	✓
100	GE	B332I347HP	Program Rapid Start Ballast	✓
101	GE	B228PUNV-C	Program Rapid Start Ballast	✓
102	GE	B224PUNV-C	Program Rapid Start Ballast	✓
103	GE	B239PUNV-D	Program Rapid Start Ballast	✓
104	GE	B254PUNV-D	Program Rapid Start Ballast	✓

Item	Manufacturer	Model	Type	Compatible
105	GE	B140R120HP	Instant Start Ballast	✓
106	GE	B140R277HP	Instant Start Ballast	✓
107	GE	B240R120HP	Instant Start Ballast	✓
108	GE	B240R277HP	Instant Start Ballast	✓
109	GE	B332I347HP	Instant Start Ballast	✓
110	GE	B340R120HP	Program Rapid Start Ballast	✓
111	GE	B340R277HP	Program Rapid Start Ballast	✓
112	GE	B260I120HP	Instant Start Ballast	✓
113	GE	B260I277HP	Instant Start Ballast	✓
114	GE	B260I120RH	Instant Start Ballast	✓
115	GE	B260I277RH	Instant Start Ballast	✓
116	GE	697-L-TC-P-IP	Rapid Start Ballast	✓
117	GE	573-L-TC-P-IP	Rapid Start Ballast	✓
118	GE	588-L-TC-P-IP	Rapid Start Ballast	✓
119	GE	413-C-TC-P-IP	Rapid Start Ballast	✓
120	GE	412-L-SLH-TC-P-IP	Rapid Start Ballast	✓
121	GE	458-L-SLH-TC-P-I	Rapid Start Ballast	✓
122	GE	446-L-SLH-TC-P	Rapid Start Ballast	✓
123	GE	537-L-TC-P-I	Rapid Start Ballast	✓
124	GE	443-L-SLH-TC-P	Rapid Start Ballast	✓
125	GE	490-XLH-TC-P	Rapid Start Ballast	✓
126	GE	627-LH-TC-P-IP	Rapid Start Ballast	✓
127	GE	480-SLH-TC-P-IP	Rapid Start Ballast	✓
128	GE	480-XLH-TC-P-IP	Rapid Start Ballast	✓
129	GE	487-SLH-TC-P-IP	Rapid Start Ballast	✓
130	GE	487-XLH-TC-P-IP	Rapid Start Ballast	✓
131	GE	960-VLH-TC-P-IP	Rapid Start Ballast	✓
132	GE	532-BR-TC-P-IP	Instant Start Ballast	✓
133	GE	213-TC-P-IP	Instant Start Ballast	✓
134	GE	B132IUNVHE-A	Program Rapid Start Ballast	✓
135	GE	B232IUNVHE-A	Program Rapid Start Ballast	✓
136	GE	B332IUNVHE-A	Program Rapid Start Ballast	✓
137	SYLVANIA	QHE 1X32T8/UNV ISL-SC	Instant Start Ballast	✓
138	SYLVANIA	QHE 2X32T8/UNV ISL-SC	Instant Start Ballast	✓
139	SYLVANIA	QHE 3X32T8/UNV ISL-SC	Instant Start Ballast	✓
140	SYLVANIA	QHE 4X32T8/UNV ISL-SC	Instant Start Ballast	✓
141	SYLVANIA	QHE 1X32T8/UNV ISN-SC	Instant Start Ballast	✓
142	SYLVANIA	QHE 2X32T8/UNV ISN-SC	Instant Start Ballast	✓
143	SYLVANIA	QHE 3X32T8/UNV ISN-SC	Instant Start Ballast	✓
144	SYLVANIA	QHE 4X32T8/UNV ISN-SC	Instant Start Ballast	✓
145	SYLVANIA	QHE 1X32T8/UNV ISH-SC	Instant Start Ballast	✓
146	SYLVANIA	QHE 2X32T8/UNV ISH-SC	Instant Start Ballast	✓
147	SYLVANIA	QHE 3X32T8/UNV ISH-SC	Instant Start Ballast	✓
148	SYLVANIA	QHE 4X32T8/UNV ISH-SC	Instant Start Ballast	✓
149	SYLVANIA	QTP 1X32T8/UNV ISL-SC	Instant Start Ballast	✓
150	SYLVANIA	QTP 2X32T8/UNV ISL-SC	Instant Start Ballast	✓
151	SYLVANIA	QTP 3X32T8/UNV ISL-SC	Instant Start Ballast	✓
152	SYLVANIA	QTP 4X32T8/UNV ISL-SC	Instant Start Ballast	✓
153	SYLVANIA	QTP 1X32T8/UNV ISN-SC	Instant Start Ballast	✓
154	SYLVANIA	QTP 2X32T8/UNV ISN-SC	Instant Start Ballast	✓
155	SYLVANIA	QTP 3X32T8/UNV ISN-SC	Instant Start Ballast	✓
156	SYLVANIA	QTP 4X32T8/UNV ISN-SC	Instant Start Ballast	✓
157	SYLVANIA	QTP 1X32T8/UNV ISH-SC	Instant Start Ballast	✓
158	SYLVANIA	QTP 2X32T8/UNV ISH-SC	Instant Start Ballast	✓
159	SYLVANIA	QTP 3X32T8/UNV ISH-SC	Instant Start Ballast	✓
160	SYLVANIA	QTP 4X32T8/UNV ISH-SC	Instant Start Ballast	✓

Item	Manufacturer	Model	Type	Compatible
161	SYLVANIA	QTP 1x32T8/UNV PSX-TC	Program Start Ballast	✓
162	SYLVANIA	QTP 2x32T8/UNV PSX-TC	Program Start Ballast	✓
163	SYLVANIA	QTP 3x32T8/UNV PSX-TC	Program Start Ballast	✓
164	SYLVANIA	QTP 4x32T8/UNV PSX-TC	Program Start Ballast	✓
165	SYLVANIA	QTP 1x32T8/UNV PSN-TC	Program Start Ballast	✓
166	SYLVANIA	QTP 2x32T8/UNV PSN-TC	Program Start Ballast	✓
167	SYLVANIA	QTP 3x32T8/UNV PSN-SC	Program Start Ballast	✓
168	SYLVANIA	QTP 4x32T8/UNV PSN-SC	Program Start Ballast	✓
169	SYLVANIA	QHE2x32T8/UNV-PSH-HT	Program Start Ballast	✓
170	SYLVANIA	QHE3x32T8/UNV-PSH-HT	Program Start Ballast	✓
171	SYLVANIA	QHE4x32T8/UNV-PSH-HT	Program Start Ballast	✓
172	SYLVANIA	QHE 1X32T8/347 ISL-SC	Instant Start Ballast	✓
173	SYLVANIA	QHE 2X32T8/347 ISL-SC	Instant Start Ballast	✓
174	SYLVANIA	QHE 3X32T8/347 ISL-SC	Instant Start Ballast	✓
175	SYLVANIA	QHE 4X32T8/347 ISL-SC	Instant Start Ballast	✓
176	SYLVANIA	QHE 1X32T8/347 ISN-SC	Instant Start Ballast	✓
177	SYLVANIA	QHE 2X32T8/347 ISN-SC	Instant Start Ballast	✓
178	SYLVANIA	QHE 3X32T8/347 ISN-SC	Instant Start Ballast	✓
179	SYLVANIA	QHE 4X32T8/347 ISN-SC	Instant Start Ballast	✓
180	SYLVANIA	QT2X32T8/347 ISL-SC	Instant Start Ballast	✓
181	SYLVANIA	QT4X32T8/347 ISL-SC	Instant Start Ballast	✓
182	SYLVANIA	QTP1X32T8/347 ISN-SC	Instant Start Ballast	✓
183	SYLVANIA	QTP2X32T8/347 ISN-SC	Instant Start Ballast	✓
184	SYLVANIA	QT3X32T8/347 ISN-SC	Instant Start Ballast	✓
185	SYLVANIA	QT4X32T8/347 ISN-SC	Instant Start Ballast	✓
186	SYLVANIA	QT2X32T8/347 ISH-SC	Instant Start Ballast	✓
187	SYLVANIA	QTP 2x39-24T5HO/UNV PSN NL	Program Start Ballast	✓
188	SYLVANIA	QTP 2x39-24T5HO/UNV PSN NL	Program Start Ballast	✓
189	SYLVANIA	QTP 2x54 T5HO/UNV PSN NL	Program Start Ballast	✓
190	SYLVANIA	QTP 2x28 T5/UNV PSN NL	Program Start Ballast	✓
191	SYLVANIA	QTP 2x54 T5HO/UNV PSN HT NL	Program Rapid Start Ballast	✓
192	SYLVANIA	QTP 4x54 T5HO/UNV PSN HTW NL	Program Rapid Start Ballast	✓
193	GE	GE-232-120RED-DIY	? Start Ballast	✓
194	GE	GE-432-120RED-DIY	? Start Ballast	✓
195	GE	GE-232-120-N	? Start Ballast	✓
196	GE	GE-432-120-N	?Rapid Start Ballast	✓
197	GE	GE-132-MV-N	Instant Start Start Ballast	✓
198	GE	GE-232-MV-N	Instant Start Start Ballast	✓
199	GE	GE-332-MV-N	Instant Start Ballast	✓
200	GE	GE-432-MV-N	Instant Start Ballast	✓
201	GE	GE-132-MV-N-DIY	Instant Start Ballast	✓
202	GE	GE-232-MV-N-DIY	Instant Start Ballast	✓
203	GE	GE-332-MV-N-DIY	Instant Start Ballast	✓
204	GE	GE-432-MV-N-DIY	Instant Start Ballast	✓
205	GE	GE232MAX347-N	Instant Start Ballast	✓
206	GE	GE432MAX347-N	Instant Start Ballast	✓
207	SUNPARK	U-1/32ISE-HBF	Instant Start Ballast	✓
208	SUNPARK	U-2/32ISE-HBF	Instant Start Ballast	✓
209	SUNPARK	U-3/32ISE-HBF	Instant Start Ballast	✓
210	SUNPARK	U-4/32ISE-HBF	Instant Start Ballast	✓
211	SUNPARK	U-1/32ISE-LBF	Instant Start Ballast	✓
212	SUNPARK	U-2/32ISE-LBF	Instant Start Ballast	✓
213	SUNPARK	U-3/32ISE-LBF	Instant Start Ballast	✓
214	SUNPARK	U-4/32ISE-LBF	Instant Start Ballast	✓
215	HOWARD	EP3/32IS/MV/MC/HE	Instant Start Ballast	✓
216	KEYSTONE	KTEB-432-UV-IS-N-P	Instant Start Ballast	✓

Item	Manufacturer	Model	Type	Compatible
217	KEYSTONE	KTEB-432-UV-IS-N-P	Instant Start Ballast	✓
218	PROLUME	EP232IS/L/MV/SL	Instant Start Ballast	✓
219	PROLUME	EP232IS/L/MV/HE	Instant Start Ballast	✓
220	RADIONIC	E232H12	Instant Start Ballast	✓