



LED TUBES

Hotels, Hospitals, Schools, Meeting Room, Buildings, Warehouses



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LED TUBES

ECI-T8-UNV Series



This dual function Universal LED Tube can simply replace a fluorescent tube while keeping most electronic ballasts in place or rewiring past the existing ballast. Works with electronic ballast or no ballast.

Applications

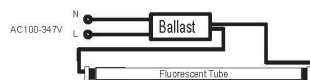
Hotels, Hospitals, Schools, Meeting Rooms, Buildings, Warehouses

- Efficiency of Chips: Over 110 Lumens per watt with ballast; Over 125L/W without
- Not Dimmable
- LED Chipset: Cree, EpiStar
- CRI above 80
- Beam Angle: 120
- Input Voltage: 100-277VAC, 347VAC; 50/60 Hz
- LED drive mode: constant driver' efficiency is up to 92%. PF = 0.99
- Cover: Frosted or Clear
- 50,000 Hours
- Aluminum Base and Housing

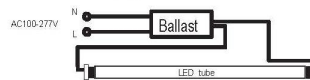
Installation Procedure

"Plug" and "Play" procedure

1. Turn off the power to the light fixture at the breaker panel before installation.
2. Open the diffuser from the light fixture.
3. Remove the fluorescent tubes. Please dispose of these tubes properly as they contain mercury.



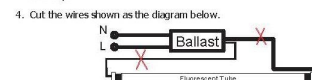
4. Put LED tube into the lighting fixture.



5. Install the LED tubes, close the diffuser.
6. Turn on the Power.

Rewire procedure

1. Turn off the power to the light fixture at the breaker panel before installation.
2. Open the diffuser from the light fixture.
3. Remove the fluorescent tubes. Please dispose of these tubes properly as they contain mercury.



4. Cut the wires shown as the diagram below.
5. Make the new wire connect to branch circuit shown as the diagram below.
6. Replace the cover over the wiring channel.



7. Install the LED tubes, close the diffuser.
8. Turn on the Power.

* For one ballast by three fluorescent tube fixture, need to install at least two pieces of ballast compatible tube.
For one ballast by four fluorescent tube fixture, need to install at least three pieces of ballast compatible tube.

Ordering Information

Example: **ECI-1T8UNV-4FT13W-840-F-120-B**

Company code	Voltage	Type	Size/Power	Ra	Colour Temp.	Cover	Optic	Base
ECI	1	T8UNV	2FT 13W (1400 Lumens)	8 80	30	F Frosted C Clear	120 120	B Bi-Pin or G13
	100~277VAC		2FT 15W (1800 Lumens)		3500k			
	2		3FT 15W (1800 Lumens)		35			
	347VAC		4FT 13W (1400 Lumens)		3500k			
			4FT 15W (1800 Lumens)		40			
			4FT 18W (2100 Lumens)		4000k			
			4FT 20W (2400 Lumens)		45			
			5000k					



LED TUBES

U-Tube

ECI-T8-UT-UNV Series



This dual function Universal LED Tube can simply replace a fluorescent tube while keeping most electronic ballasts in place or rewiring past the existing ballast. Works with electronic ballast or no ballast.

Applications

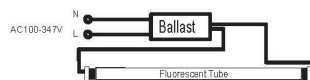
Hotels, Hospitals, Schools, Meeting Rooms, Buildings, Warehouses

- Efficiency of Chips: Up to 120 Lumens per watt
- Not Dimmable
- LED Chipset: Cree, EpiStar
- CRI above 80
- Beam Angle: 120
- Input Voltage: 100-277VAC, 347VAC; 50/60 Hz
- LED drive mode: constant driver' efficiency is up to 92%. PF = 0.99
- Cover: Frosted or Clear
- 50,000 Hours
- Aluminum Base and Housing

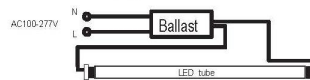
Installation Procedure

"Plug" and "Play" procedure

1. Turn off the power to the light fixture at the breaker panel before installation.
2. Open the diffuser from the light fixture.
3. Remove the fluorescent tubes. Please dispose of these tubes properly as they contain mercury.



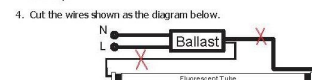
4. Put LED tube into the lighting fixture.



5. Install the LED tubes, close the diffuser.
6. Turn on the Power.

Rewire procedure

1. Turn off the power to the light fixture at the breaker panel before installation.
2. Open the diffuser from the light fixture.
3. Remove the fluorescent tubes. Please dispose of these tubes properly as they contain mercury.



4. Cut the wires shown as the diagram below.
5. Make the new wire connect to branch circuit shown as the diagram below.
6. Replace the cover over the wiring channel.



7. Install the LED tubes, close the diffuser.
8. Turn on the Power.

* For one ballast by three fluorescent tube fixture, need to install at least two pieces of ballast compatible tube.
For one ballast by four fluorescent tube fixture, need to install at least three pieces of ballast compatible tube.

Ordering Information

Example: **ECI-1T8UTUNV-2FT15W-840-F-120-B**

Company code	Voltage	Type	Size/Power	Ra	Colour Temp.	Cover	Optic	Base
ECI	1 100~277VAC 2 347VAC	T8UTUNV	2FT 15W (1800 Lumens)	8 80	30 3500k 35 3500k 40 4000k 45 4500k 50 5000k	F Frosted C Clear	120 120	B Bi-Pin or G13



LED TUBES

ECI-T8-EZ Series



This EZ Swap LED Tube can simply replace a fluorescent tube while keeping most electronic ballasts in place. Works with electronic ballasts and some magnetic ballasts to replace T12 tubes. This tube cannot be rewired past the ballast.

Applications

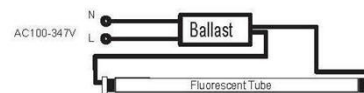
Hotels, Hospitals, Schools, Meeting Rooms, Buildings, Warehouses

- Efficiency of Chips: Up to 140 Lumens per watt
- Dimmable
- LED Chipset: Cree, EpiStar
- CRI above 80
- Beam Angle: 240
- Input Voltage: 100-277VAC, 347VAC; 50/60 Hz
- LED drive mode: constant driver' efficiency is up to 92%. PF = 0.99
- Cover: Frosted
- 50,000 Hours
- Aluminum and PC Housing

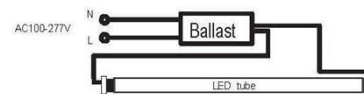
Installation Procedure

"Plug" and "Play" procedure

1. Turn off the power to the light fixture at the breaker panel before installation.
2. Open the diffuser from the light fixture.
3. Remove the fluorescent tubes. Please dispose of these tubes properly as they contain mercury.



4. Put LED tube into the lighting fixture.



5. Install the LED tubes, close the diffuser.
6. Turn on the Power.

Ordering Information

Example: **ECI-1T8EZ-4FT12W-840-F-240-B**

Company code	Voltage	Type	Size/Power	Ra	Colour Temp.	Cover	Optic	Base
ECI	1	T8EZ	2FT 12W (1560 Lumens) 3FT 12W (1560 Lumens) 4FT 12W (1750 Lumens) 4FT 14W (1800 Lumens) 4FT 16W (1920 Lumens)	8 80	30	F Frosted C Clear	240 240	B Bi-Pin or G13
	100~277VAC				3500k			
	2				35			
	347VAC				40			
					4000k			
					45			
					4500k			
					50			
					5000k			



LED TUBES

ECI-T8-RW Series



This rewire LED Tube can simply replace a fluorescent tube but must be rewired to take the ballast out of consideration.

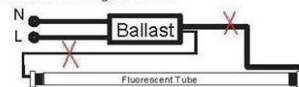
Applications

Hotels, Hospitals, Schools, Meeting Rooms, Buildings, Warehouses

- Efficiency of Chips: Over 120 Lumens per watt
- Dimmable
- LED Chipset: Cree, EpiStar
- CRI above 80
- Beam Angle: 120
- Input Voltage: 100-277VAC, 347VAC; 50/60 Hz
- LED drive mode: constant driver' efficiency is up to 92%. PF = 0.99
- Cover: Frosted
- 50,000 Hours
- Aluminum and PC Housing

Rewire procedure

1. Turn off the power to the light fixture at the breaker panel before installation.
2. Open the diffuser from the light fixture.
3. Remove the fluorescent tubes. Please dispose of these tubes properly as they contain mercury.
4. Cut the wires shown as the diagram below.



5. Make the new wire connect to branch circuit shown as the diagram below.
6. Replace the cover over the wiring channel.
7. Install the LED tubes, close the diffuser.



8. Turn on the Power.

Ordering Information

Example: **ECI-1T8RW-4FT15W-840-F-120-B**

Company code	Voltage	Type	Size/Power	Ra	Colour Temp.	Cover	Optic	Base
ECI	1 100~277VAC 2 347VAC	T8RW	2FT 10W (1150 Lumens)	8 80	30	F Frosted	120 120	B Bi-Pin or G13 S Single Pin
			3FT 10W (1150 Lumens)		35			
			4FT 15W (1800 Lumens)		3500k			
			4FT 18W (2160 Lumens)		40			
			4FT 22W (2640 Lumens)		4000k			
			4FT 30W (3600 Lumens) 347		45			
			5FT 22W (2640 Lumens)		4500k			
			6FT 31W (3720 Lumens)		50			
			8FT 30W (3600Lumens) 347		5000k			
			8FT 31W (3720 Lumens)					
8FT 40W (4800 Lumens)								



LED TUBES

ECI-T8-UT-RW Series



This rewire LED Tube can simply replace a fluorescent tube but must be rewired to take the ballast out of consideration.

Applications

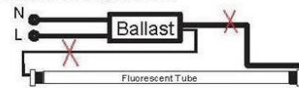
Hotels, Hospitals, Schools, Meeting Rooms, Buildings, Warehouses

- Efficiency of Chips: Over 120 Lumens per watt
- Dimmable
- LED Chipset: Cree, EpiStar
- CRI above 80
- Beam Angle: 120
- Input Voltage: 100-277VAC, 347VAC; 50/60 Hz
- LED drive mode: constant driver' efficiency is up to 92%. PF = 0.99
- Cover: Frosted
- 50,000 Hours
- Aluminum and PC Housing

Rewire procedure

1. Turn off the power to the light fixture at the breaker panel before installation.
2. Open the diffuser from the light fixture.
3. Remove the fluorescent tubes. Please dispose of these tubes properly as they contain mercury.

4. Cut the wires shown as the diagram below.



5. Make the new wire connect to branch circuit shown as the diagram below.
6. Replace the cover over the wiring channel.
7. Install the LED tubes, close the diffuser.



8. Turn on the Power.

Ordering Information

Example: **ECI-1T8UTRW-2FT15W-840-F-120-B**

Company code	Voltage	Type	Size/Power	Ra	Colour Temp.	Cover	Optic	Base
ECI	1 100~277VAC 2 347VAC	T8UTRW	2FT 15W (1800 Lumens)	8 80	30 3500k 35 3500k 40 4000k 45 4500k 50 5000k	F Frosted	120 120	B Bi-Pin or G13



LED TUBES

ECI-T5-EZ Series



This EZ Swap LED Tube can simply replace a fluorescent tube while keeping most electronic ballasts in place. Works with electronic ballasts. This tube cannot be rewired past the ballast. Does not work with magnetic ballast.

Applications

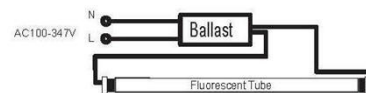
Hotels, Hospitals, Schools, Meeting Rooms, Buildings, Warehouses

- Efficiency of Chips: More than 120 Lumens per watt
- Not Dimmable
- LED Chipset: Cree, EpiStar
- CRI above 80
- Beam Angle: 330
- Input Voltage: 100-277VAC, 347VAC; 50/60 Hz
- LED drive mode: constant driver' efficiency is up to 92%. PF = 0.99
- Cover: Frosted
- 50,000 Hours
- Glass or plastic Housing

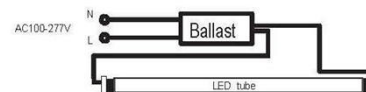
Installation Procedure

"Plug" and "Play" procedure

1. Turn off the power to the light fixture at the breaker panel before installation.
2. Open the diffuser from the light fixture.
3. Remove the fluorescent tubes. Please dispose of these tubes properly as they contain mercury.



4. Put LED tube into the lighting fixture.



5. Install the LED tubes, close the diffuser.
6. Turn on the Power.

Ordering Information

Example: **ECI-1T8EZ-4FT27W-840-F-330-B**

Company code	Voltage	Type	Size/Power	Ra	Colour Temp.	Cover	Optic	Base
ECI	1 100~277VAC	T8EZ	4FT 12W (1650 Lumens) G 4FT 22W (2750 Lumens) G 4FT 25W (3200 Lumens) G 4FT 27W (3200 Lumens) P	8 80	30 3500k 35 3500k 40 4000k 45 4500k 50 5000k	F Frosted	330 330	B Bi-Pin or G13



LED TUBES

ECI-T5-RW Series

External Driver



This rewire LED Tube can simply replace a fluorescent tube but must be rewired to take the ballast out of consideration. The Drivers are external to the tube in the same way that ballasts are external to fluorescent tubes.

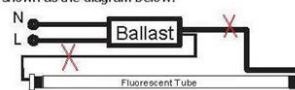
Applications

Hotels, Hospitals, Schools, Meeting Rooms, Buildings, Warehouses

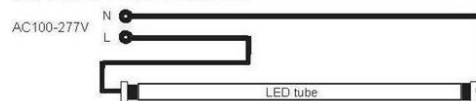
- Efficiency of Chips: More than 120 Lumens per watt
- Dimmable
- LED Chipset: Cree, EpiStar
- CRI above 80
- Beam Angle: 120
- Input Voltage: 100-277VAC; 347VAC; 50/60 Hz
- LED drive mode: constant driver' efficiency is up to 90%. PF = 0.99
- Cover: Frosted
- 50,000 Hours
- Aluminum and PC Housing

Rewire procedure

1. Turn off the power to the light fixture at the breaker panel before installation.
2. Open the diffuser from the light fixture.
3. Remove the fluorescent tubes. Please dispose of these tubes properly as they contain mercury.
4. Cut the wires shown as the diagram below.



5. Make the new wire connect to branch circuit shown as the diagram below.
6. Replace the cover over the wiring channel.
7. Install the LED tubes, close the diffuser.



8. Turn on the Power.

Ordering Information

Example: **ECI-1T8EZ-4FT30W-840-F-2-B**

Company code	Voltage	Type	Size/Pwr/Driver	Ra	Colour Temp.	Cover	Driver	Base
ECI	1 100~277VAC	T8EZ	4FT15W/1800 Lumens/1,2,3or4 4FT22W/2640 Lumens/1or2 4FT30W/3600 Lumens/1or2	8	30	F Frosted	1	B Bi-Pin or G13
	2 347VAC			80	3500k		1 Tube/Driver	
					35		2	
					3500k		2 Tubes/Driver	
					40		3	
					4000k		3 Tubes/Driver	
					45		4	
					4500k		4 Tubes/Driver	
					50			
					5000k			

ECI-T8-UNV Series 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	ICN-IP32-SC	Instant Start Ballast	✓
6	Philips-Advance	ICN-2P32-SC	Instant Start Ballast	✓
7	Philips-Advance	ICN-3P32-SC	Instant Start Ballast	✓
8	Philips-Advance	ICN-4P32-SC	Instant Start Ballast	✓
9	Philips-Advance	IOP-1P32-LW-SC	Instant Start Ballast	✓
10	Philips-Advance	IOP-2P32-LW-SC	Instant Start Ballast	✓
11	Philips-Advance	IOP-3P32-LW-SC	Instant Start Ballast	✓
12	Philips-Advance	IOP-4P32-LW-SC	Instant Start Ballast	✓
13	Philips-Advance	IOPA-1P32-LW-N	Instant Start Ballast	✓
14	Philips-Advance	IOPA-2P32-LW-N	Instant Start Ballast	✓
15	Philips-Advance	IOPA-3P32-LW-N	Instant Start Ballast	✓
16	Philips-Advance	IOPA-4P32-LW-N	Instant Start Ballast	✓
17	Philips-Advance	IOPA-1P32-N	Instant Start Ballast	✓
18	Philips-Advance	IOPA-2P32-N	Instant Start Ballast	✓
19	Philips-Advance	IOPA-3P32-N	Instant Start Ballast	✓
20	Philips-Advance	IOPA-4P32-N	Instant Start Ballast	✓
21	Philips-Advance	IOP-1P32-SC	Instant Start Ballast	✓
22	Philips-Advance	IOP-2P32-SC	Instant Start Ballast	✓
23	Philips-Advance	IOP-3P32-SC	Instant Start Ballast	✓
24	Philips-Advance	IOP-4P32-SC	Instant Start Ballast	✓
25	Philips-Advance	IOPA-1P32-HL-SC	Instant Start Ballast	✓
26	Philips-Advance	IOPA-2P32-HL-SC	Instant Start Ballast	✓
27	Philips-Advance	IOPA-3P32-HL-SC	Instant Start Ballast	✓
28	Philips-Advance	IOPA-4P32-HL-SC	Instant Start Ballast	✓
29	Philips-Advance	GOPA-1P32-SC	Instant Start Ballast	✓
30	Philips-Advance	GOPA-2P32-SC	Instant Start Ballast	✓
31	Philips-Advance	GOPA-3P32-SC	Instant Start Ballast	✓
32	Philips-Advance	GOPA-4P32-SC	Instant Start Ballast	✓
33	Philips-Advance	GOP-IPSP32-SC	Instant Start Ballast	✓
34	Philips-Advance	GOP-2PSP32-SC	Instant Start Ballast	✓
35	Philips-Advance	GOP-3PSP32-SC	Instant Start Ballast	✓
36	Philips-Advance	GOP-4PSP32-SC	Instant Start Ballast	✓

Item	Manufacturer	Model	Type	Compatible
37	Philips-Advance	GOPA-1P32-LW-SC	Instant Start Ballast	✓
38	Philips-Advance	GOPA-2P32-LW-SC	Instant Start Ballast	✓
39	Philips-Advance	GOPA-3P32-LW-SC	Instant Start Ballast	✓
40	Philips-Advance	GOPA-4P32-LW-SC	Instant Start Ballast	✓
41	SYLVANIA	QHE 1X32T8/UNV ISL-SC	Instant Start Ballast	✓
42	SYLVANIA	QHE 2X32T8/UNVISL-SC	Instant Start Ballast	✓
43	SYLVANIA	QHE 3X32T8/UNVISL-SC	Instant Start Ballast	✓
44	SYLVANIA	QHE 4X32T8/UNVISL-SC	Instant Start Ballast	✓
45	SYLVANIA	QHE 1X32T8/UNV ISN-SC	Instant Start Ballast	✓
46	SYLVANIA	QHE 2X32T8/UNV ISN-SC	Instant Start Ballast	✓
47	SYLVANIA	QHE 3X32T8/UNV ISN-SC	Instant Start Ballast	✓
48	SYLVANIA	QHE 4X32T8/UNV ISN-SC	Instant Start Ballast	✓
49	SYLVANIA	QHE 1X32T8/UNV ISH-SC	Instant Start Ballast	✓
50	SYLVANIA	QHE 2X32T8/UNV ISH-SC	Instant Start Ballast	✓
51	SYLVANIA	QHE 3X32T8/UNV ISH-SC	Instant Start Ballast	✓
52	SYLVANIA	QHE 4X32T8/UNV ISH-SC	Instant Start Ballast	✓
53	SYLVANIA	QTP 1X32T8/UNV ISL-SC	Instant Start Ballast	✓
54	SYLVANIA	QTP 2X32T8/UNV ISL-SC	Instant Start Ballast	✓
55	SYLVANIA	QTP 3X32T8/UNV ISL-SC	Instant Start Ballast	✓
56	SYLVANIA	QTP 4X32T8/UNV ISL-SC	Instant Start Ballast	✓
57	SYLVANIA	QTP 1X32T8/UNV ISN-SC	Instant Start Ballast	✓
58	SYLVANIA	QTP 2X32T8/UNV ISN-SC	Instant Start Ballast	✓
59	SYLVANIA	QTP 3X32T8/UNV ISN-SC	Instant Start Ballast	✓
60	SYLVANIA	QTP 4X32T8/UNV ISN-SC	Instant Start Ballast	✓
61	SYLVANIA	QTP 1X32T8/UNV ISH-SC	Instant Start Ballast	✓
62	SYLVANIA	QTP 2X32T8/UNV ISH-SC	Instant Start Ballast	✓
63	SYLVANIA	QTP 3X32T8/UNV ISH-SC	Instant Start Ballast	✓
64	SYLVANIA	QTP 4X32T8/UNV ISH-SC	Instant Start Ballast	✓
65	SYLVANIA	QHE 1X32T8/347 ISL-SC	Instant Start Ballast	✓
66	SYLVANIA	QHE 2X32T8/347 ISL-SC	Instant Start Ballast	✓
67	SYLVANIA	QHE 3X32T8/347 ISL-SC	Instant Start Ballast	✓
68	SYLVANIA	QHE 4X32T8/347 ISL-SC	Instant Start Ballast	✓
69	SYLVANIA	QHE 1X32T8/347 ISN-SC	Instant Start Ballast	✓
70	SYLVANIA	QHE 2X32T8/347 ISN-SC	Instant Start Ballast	✓
71	SYLVANIA	QHE 3X32T8/347 ISN-SC	Instant Start Ballast	✓
72	SYLVANIA	QHE 4X32T8/347 ISN-SC	Instant Start Ballast	✓
73	SYLVANIA	QTP 1X32T8/347 ISN-SC	Instant Start Ballast	✓
74	SYLVANIA	QTP 2X32T8/347 ISN-SC	Instant Start Ballast	✓
75	SYLVANIA	QTP 3X32T8/347 ISN-SC	Instant Start Ballast	✓
76	SYLVANIA	QTP 4X32T8/347 ISN-SC	Instant Start Ballast	✓

Item	Manufacturer	Model	Type	Compatible
77	GE	GE-132-MV-N	Instant Start Ballast	✓
78	GE	GE-232-MV-N	Instant Start Ballast	✓
79	GE	GE-332-MV-N	Instant Start Ballast	✓
80	GE	GE-432-MV-N	Instant Start Ballast	✓
81	GE	GE-132-MV-N-DIY	Instant Start Ballast	✓
82	GE	GE-232-MV-N-DIY	Instant Start Ballast	✓
83	GE	GE-332-MV-N-DIY	Instant Start Ballast	✓
84	GE	GE-432-MV-N-DIY	Instant Start Ballast	✓
85	GE	GE232MAX347-N	Instant Start Ballast	✓
86	GE	GE432MAX347-N	Instant Start Ballast	✓
87	GE	GE-132-MAX-N/Ultra	Instant Start Ballast	✓
88	GE	GE-232-MAX-N/Ultra	Instant Start Ballast	✓
89	GE	GE-332-MAX-N/Ultra	Instant Start Ballast	✓
90	GE	GE-432-MAX-N/Ultra	Instant Start Ballast	✓
91	GE	GE-132-MAX-L/Ultra	Instant Start Ballast	✓
92	GE	GE-232-MAX-L/Ultra	Instant Start Ballast	✓
93	GE	GE-332-MAX-L/Ultra	Instant Start Ballast	✓
94	GE	GE-432-MAX-L/Ultra	Instant Start Ballast	✓
95	GE	GE-132-MAX-H/Ultra	Instant Start Ballast	✓
96	GE	GE-232-MAX-H/Ultra	Instant Start Ballast	✓
97	GE	GE-332-MAX-H/Ultra	Instant Start Ballast	✓
98	GE	GE-332-MAX-L/Ultra	Instant Start Ballast	✓
99	GE	GE-432-MAX-L/Ultra	Instant Start Ballast	✓
100	GE	GE-132-MAX-H/Ultra	Instant Start Ballast	✓
101	GE	GE-232-MAX-H/Ultra	Instant Start Ballast	✓
102	GE	GE-332-MAX-H/Ultra	Instant Start Ballast	✓
103	GE	GE-332-MAX-H/Ultra	Instant Start Ballast	✓
104	SUNPARK	U-1/32ISE-HBF	Instant Start Ballast	✓
105	SUNPARK	U-2/32ISE-HBF	Instant Start Ballast	✓
106	SUNPARK	U-3/32ISE-HBF	Instant Start Ballast	✓
107	SUNPARK	U-4/32ISE-HBF	Instant Start Ballast	✓
108	SUNPARK	U-1/32ISE-LBF	Instant Start Ballast	✓
109	SUNPARK	U-2/32ISE-LBF	Instant Start Ballast	✓
110	SUNPARK	U-3/32ISE-LBF	Instant Start Ballast	✓
111	SUNPARK	U-4/32ISE-LBF	Instant Start Ballast	✓

Item	Manufacturer	Model	Type	Compatible
112	SUNPARK	U-1/32ISE	Instant Start Ballast	✓
113	SUNPARK	U-2/32ISE	Instant Start Ballast	✓
114	SUNPARK	U-3/32ISE	Instant Start Ballast	✓
115	HOWARD	EP3/32IS/MV/MC/HE	Instant Start Ballast	✓
116	KEYSTONE	KTEB-432-UV-IS-N-P	Instant Start Ballast	✓
117	KEYSTONE	KTEB-432-UV-IS-N-P	Instant Start Ballast	✓
118	PROLUME	EP232IS/L/MV/SL	Instant Start Ballast	✓
119	PROLUME	EP232IS/L/MV/HE	Instant Start Ballast	✓
120	RADIONIC	E232H12	Instant Start Ballast	✓

- Note:** 1. Tube may not work with the ballasts listed above if they are too old or have special technical data characteristics.
2. This is not an exhaustive list. Tube may work with ballasts which are not listed above.
3. Test compatibility before making bulk order.