

APPLICATION & PERFORMANCE SPECIFICATION

- Energy saving high efficiency instant start electronic ballast (> 90%)
- Multi-voltage technology handles voltage from 120 to 277v
- UL Type CC Rating provides protection against arcing in electrical devices
- Anti-Striation Control for better light quality, with no striations
- Active Power Factor Correction - Ballast regulates the output to each lamp with individual lamp inverter modules



GENERAL CHARACTERISTICS

Application	2 or 1 F32T8 120 to 277v 0.89BF
Ballast Type	Electronic – High Efficiency Multivolt Instant Start
Starting Method	Instant Start
Lamp Wiring	Parallel
Line Voltage Regulation (+/-)	10%
Ambient Temp . (Max)	131°F 55°C
Case Temp (Max)	194°F 90°C
Ballast Factor	Normal (0.89)
Sound Rating	A
Supply Current Frequency	50 Hz/60 Hz

DIMENSIONS

Case Dimensions	
Length (L)	9.5 in
Width (W)	1.3 in
Height (H)	1.0 in
Lead Lengths	
White/Black	25 in
Red	46 in
Blue	31 in
Weight	1.1 lbs.
Exit Type	Side
Remote Mounting Distance to lamp	18 ft.
Remote Mounting Wire Gauge	18 AWG
Case Quantity	10
UPC	762148078753

PERFORMANCE

- Meets ANSI Standard C82.11-2005
- Meets ANSI Standard C62.41-2002
- Meets FCC 18 Non CONSUMER Limits

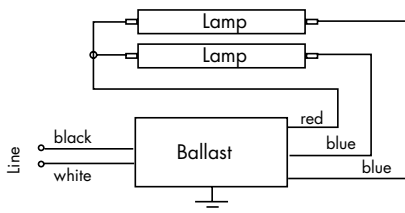
SAFETY

- No PCB's, Type HL
- UL & cUL Listed (Class P, Type 1 Outdoor)
- OCV 600V



As a licensee in the NEMA Premium® Electronic Ballast Program, TCP, Inc. has determined that this product meets the NEMA Premium® Efficiency specifications for premium energy efficiency.

Lamp Type	Line Volt.	Num. of Lamps	Rated Lamp Watts	Min. Start Temp. (°F/°C)	Input Current (Amps)	Input Power (Watts)	MAX. THD%	Power Factor	Ballast Factor	MAX. Lamp Current Crest Factor	B.E.F.
* F32T8	120	2	32	0/-18	0.46	55	10	0.98	0.89	1.7	1.59
FB32T8	120	2	32	0/-18	0.46	55	10	0.98	0.89	1.7	1.59
FB31T8	120	2	31	0/-18	0.44	52	10	0.98	0.89	1.7	1.7
FB28T8	120	2	28	0/-18	0.41	49	10	0.98	0.89	1.7	1.8
F32T8/ES/30	120	2	30	0/-18	0.44	51	10	0.98	0.89	1.7	1.74
F32T8/ES/28	120	2	28	0/-18	0.41	49	10	0.98	0.89	1.7	1.82
F32T8/ES/25	120	2	25	0/-18	0.39	46	10	0.98	0.89	1.7	1.92
F25T8	120	2	25	0/-18	0.36	42	10	0.98	0.89	1.7	2.1
F17T8	120	2	17	0/-18	0.25	28	10	0.98	0.91	1.7	3.2
F40T8	120	1	40	32/0	0.35	44	10	0.98	1	1.7	2.2
F32T8	120	1	32	0/-18	0.29	35	10	0.98	1.08	1.7	3.1
FB32T8	120	1	32	0/-18	0.29	35	10	0.98	1.08	1.7	3.1
FB31T8	120	1	31	0/-18	0.28	32	10	0.98	1.08	1.7	3.34
FB28T8	120	1	28	0/-18	0.25	30	10	0.98	1.08	1.7	3.5
F32T8/ES/30	120	1	30	0/-18	0.27	31	10	0.98	1.08	1.7	3.4
F32T8/ES/28	120	1	28	0/-18	0.25	30	10	0.98	1.08	1.7	3.5
F32T8/ES/25	120	1	25	0/-18	0.24	29	10	0.98	1.08	1.7	3.67
F25T8	120	1	25	0/-18	0.23	26	10	0.98	1.08	1.7	4.01
F17T8	120	1	17	0/-18	0.16	21	10	0.95	1.1	1.7	5.2
* F32T8	277	2	32	0/-18	0.2	54	10	0.97	0.89	1.7	1.6
FB32T8	277	2	32	0/-18	0.2	54	15	0.97	0.89	1.7	1.6
FB31T8	277	2	31	0/-18	0.19	51	15	0.97	0.89	1.7	1.7
FB28T8	277	2	28	0/-18	0.18	47	15	0.97	0.89	1.7	1.85
F32T8/ES/30	277	2	30	0/-18	0.19	51	15	0.97	0.89	1.7	1.7
F32T8/ES/28	277	2	28	0/-18	0.18	47	15	0.97	0.89	1.7	1.7
F32T8/ES/25	277	2	25	0/-18	0.17	45	15	0.97	0.89	1.7	1.95
F25T8	277	2	25	0/-18	0.16	41	15	0.97	0.89	1.7	2.14
F17T8	277	2	17	0/-18	0.11	28	15	0.96	0.91	1.7	3.2
F40T8	277	1	40	32/0	0.16	43	15	0.97	1	1.7	2.3
F32T8	277	1	32	0/-18	0.13	34	15	0.97	1.08	1.7	3.15
FB32T8	277	1	32	0/-18	0.13	34	15	0.97	1.08	1.7	3.15
FB31T8	277	1	31	0/-18	0.13	31	15	0.97	1.08	1.7	3.4
FB28T8	277	1	28	0/-18	0.11	29	15	0.97	1.08	1.7	3.67
F32T8/ES/30	277	1	30	0/-18	0.12	30	15	0.97	1.08	1.7	3.6
F32T8/ES/28	277	1	28	0/-18	0.11	29	15	0.97	1.08	1.7	3.67
F32T8/ES/25	277	1	25	0/-18	0.11	29	15	0.97	1.08	1.7	3.67
F25T8	277	1	25	0/-18	0.1	26	15	0.96	1.08	1.7	4.01
F17T8	277	1	17	0/-18	0.09	21	15	0.95	1.1	1.7	5.2



Note: the above data is tested at 60Hz.
 Application and Performance Specification Information Subject to Change without Notification.
 Fully meets UL&cUL safety standards.

Note: For one lamp application, cap any blue/red lead. Insulate to 600 volts.