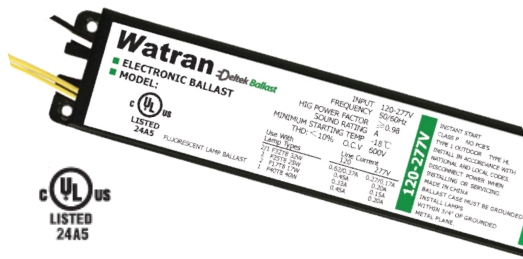


APPLICATION and PERFORMANCE SPECIFICATION



Line Voltage: 120-277V 50/60Hz Series
Parallel Lamp Operation
Instant Start
Active Power Factor Correction

Lamp Type			Min. Start Temp. (F/C)	Vin (V)	Iin (A)	Pin (W)	ATHD ≤%	PF ≥	CF ≤	BF	BEF
Type	No.	Watts									
* F32T8	2	32	0/-18	120	0.46	56	10	0.98	1.7	0.89	1.59
FB32T8	2	32	0/-18	120	0.46	56	10	0.98	1.7	0.89	1.59
FB31T8	2	31	0/-18	120	0.44	52	10	0.98	1.7	0.89	1.71
FB28T8	2	28	0/-18	120	0.41	49	10	0.98	1.7	0.89	1.82
F32T8/ES/30	2	30	0/-18	120	0.44	51	10	0.98	1.7	0.89	1.75
F32T8/ES/28	2	28	0/-18	120	0.41	49	10	0.98	1.7	0.89	1.82
F32T8/ES/25	2	25	0/-18	120	0.39	46	10	0.98	1.7	0.89	1.93
F25T8	2	25	0/-18	120	0.36	42	10	0.98	1.7	0.89	2.12
F17T8	2	17	0/-18	120	0.25	28	10	0.98	1.7	0.91	3.25
F40T8	1	40	32/0	120	0.35	44	10	0.98	1.7	1.00	2.27
F32T8	1	32	0/-18	120	0.29	35	10	0.98	1.7	1.08	3.09
FB32T8	1	32	0/-18	120	0.29	35	10	0.98	1.7	1.08	3.09
FB31T8	1	31	0/-18	120	0.28	32	10	0.98	1.7	1.08	3.37
FB28T8	1	28	0/-18	120	0.25	30	10	0.98	1.7	1.08	3.60
F32T8/ES/30	1	30	0/-18	120	0.27	31	10	0.98	1.7	1.08	3.48
F32T8/ES/28	1	28	0/-18	120	0.25	30	10	0.98	1.7	1.08	3.60
F32T8/ES/25	1	25	0/-18	120	0.24	29	10	0.98	1.7	1.08	3.72
F25T8	1	25	0/-18	120	0.23	26	10	0.98	1.7	1.08	4.15
F17T8	1	17	0/-18	120	0.16	21	10	0.98	1.7	1.10	5.24
* F32T8	2	32	0/-18	277	0.20	55	10	0.97	1.7	0.89	1.60
FB32T8	2	32	0/-18	277	0.20	55	15	0.97	1.7	0.89	1.60
FB31T8	2	31	0/-18	277	0.19	51	15	0.97	1.7	0.89	1.75
FB28T8	2	28	0/-18	277	0.18	47	15	0.97	1.7	0.89	1.89
F32T8/ES/30	2	30	0/-18	277	0.19	51	15	0.97	1.7	0.89	1.75
F32T8/ES/28	2	28	0/-18	277	0.18	47	15	0.97	1.7	0.89	1.89
F32T8/ES/25	2	25	0/-18	277	0.17	45	15	0.97	1.7	0.89	1.98
F25T8	2	25	0/-18	277	0.16	41	15	0.97	1.7	0.89	2.17
F17T8	2	17	0/-18	277	0.11	28	15	0.97	1.7	0.91	3.25
F40T8	1	40	32/0	277	0.16	43	15	0.97	1.7	1.00	2.33
F32T8	1	32	0/-18	277	0.13	34	15	0.97	1.7	1.08	3.18
FB32T8	1	32	0/-18	277	0.13	34	15	0.97	1.7	1.08	3.18
FB31T8	1	31	0/-18	277	0.13	31	15	0.97	1.7	1.08	3.48
FB28T8	1	28	0/-18	277	0.11	29	15	0.97	1.7	1.08	3.72
F32T8/ES/30	1	30	0/-18	277	0.12	30	15	0.97	1.7	1.08	3.60
F32T8/ES/28	1	28	0/-18	277	0.11	29	15	0.97	1.7	1.08	3.72
F32T8/ES/25	1	25	0/-18	277	0.11	29	15	0.97	1.7	1.08	3.72
F25T8	1	25	0/-18	277	0.10	26	15	0.96	1.7	1.08	4.15
F17T8	1	17	0/-18	277	0.09	21	15	0.95	1.7	1.10	5.24

Note: The above data is tested at 60Hz.

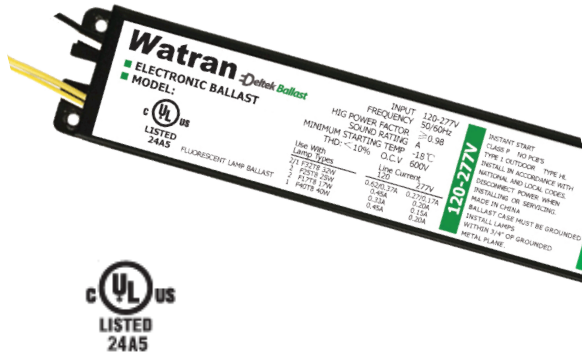
The lamp with “*” is the tested lamp.

The ballast BLE (Ballast Lamp Efficiency) can meet DOE energy conservation standards 0.90 with tested lamp. Application and Performance Specification Information Subject to Change without Notification.

APPLICATION and PERFORMANCE SPECIFICATION

Deltek Ballast

Watran
Light from the heart

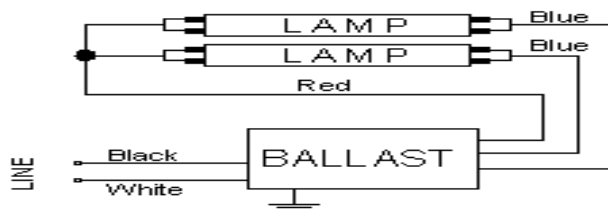
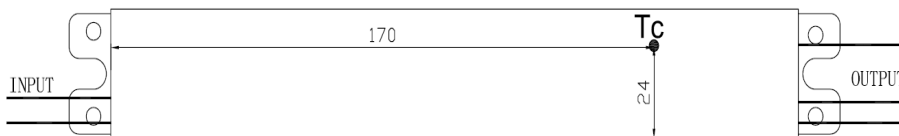


Performance:

- Meets ANSI Standard C82.11-2002
- Meets ANSI Standard C62.41-2002
- Meets FCC 18 Consumer limits
- Meets DOE energy conservation standards

Application:

- Remote Mounting: 18 ft. max. Lead length, 18AWG
- Maximum Ambient Temperature: 131°F, 55°C
- Sound Rated: A
- Maximum case temperature Tc: 194°F, 90°C



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

Lead Length:

White, Black	25"(±1")
Red	46"(±1")
Blue	31"(±1")

Safety:

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

Physical Parameters

Length	9.5"
Width	1.2"
Height	0.9"
Mounting	8.9"
Weight	0.7 lbs