

# ELECTRONIC BALLASTS

## T8 LAMPS OVER 48"

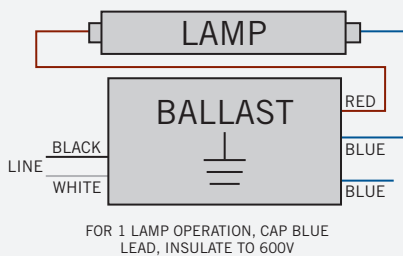


### ELECTRICAL SPECIFICATIONS

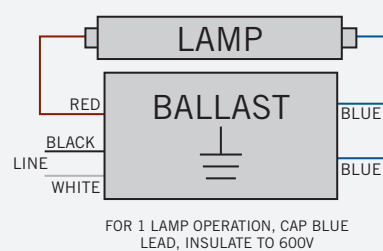
No. of Lamps	Input Power (W)	Catalog Number	Status	Input Volts	Starting Method	Line Current	Min. Power Factor	Max. THD	Ballast Factor	Min. Start Temp. (°C/°F)	Max. Case Temp. (°C/°F)	Warranty (Years)	Wiring Diagram	Case Style	UL LISTED	NEMA Premium Qualified
<b>F40T8</b>																
1	43	KTEB-232-1-IS-N	Quick Ship	120	Instant	0.37	0.98	10	1.00	-18/0	75/167	5	F1-9	L9	●	
	42	KTEB-232RIS-1-TP-SL	Quick Ship	120	Instant	0.60	0.57	150	1.00	-18/0	75/167	3	F1-9	N3	●	
	50	KTEB-232-UV-IS-H-P	Quick Ship	120-277	Instant	0.43-0.19	0.99	10	1.20	-18/0	75/167	5	F1-5	L9	●	●
	35	KTEB-232-UV-IS-L-P	Quick Ship	120-277	Instant	0.30-0.13	0.98	10	0.85	-18/0	75/167	5	F1-4	L9	●	●
	39	KTEB-232-UV-IS-N-P	Quick Ship	120-277	Instant	0.33-0.15	0.99	10	0.95	-18/0	75/167	5	F1-4	L9	●	●
	58	KTEB-232-UV-PS-H-P	Quick Ship	120-277	Program	0.49-0.22	0.97	12	1.35	-18/0	75/167	5	F2-18	L6	●	●
	39	KTEB-232-UV-PS-L-P	Quick Ship	120-277	Program	0.32-0.14	0.98	10	0.82	-18/0	75/167	5	F2-18	L6	●	●
	45	KTEB-232-UV-PS-N-P	Quick Ship	120-277	Program	0.38-0.17	0.97	10	0.99	-18/0	75/167	5	F2-18	L6	●	●
	54	KTEB-454HO-UV-PS-SL	Quick Ship	120-277	Program	0.44-0.21	0.93	15	0.90	-18/0	90/194	5	F3-7	L12	●	
2	101	KTEB-332-UV-IS-H-P	Quick Ship	120-277	Instant	0.84-0.36	0.99	10	1.25	-18/0	75/167	5	F2-5	L6	●	●
	68	KTEB-332-UV-IS-L-P	Quick Ship	120-277	Instant	0.57-0.27	0.98	10	0.89	-18/0	75/167	5	F2-5	L6	●	●
	77	KTEB-332-UV-IS-N-P	Quick Ship	120-277	Instant	0.64-0.27	0.98	10	1.00	-18/0	75/167	5	F2-5	L6	●	●
	104	KTEB-332-UV-PS-H-P	Quick Ship	120-277	Program	0.88-0.38	0.98	10	1.18	-18/0	75/167	5	F3-9	L11	●	●
	74	KTEB-332-UV-PS-L-P	Quick Ship	120-277	Program	0.61-0.27	0.98	10	0.82	-18/0	75/167	5	F3-9	L11	●	●
	81	KTEB-332-UV-PS-N-P	Quick Ship	120-277	Program	0.67-0.30	0.98	10	0.95	-18/0	75/167	5	F3-9	L11	●	●
	101	KTEB-454HO-UV-PS-SL	Quick Ship	120-277	Program	0.84-0.37	0.97	10	0.90	-18/0	90/194	5	F3-6, F4-5	L12	●	
3	109	KTEB-432-1-IS-N-P	Quick Ship	120	Instant	0.91	0.99	10	0.90	-18/0	80/176	5	F3-3	L6	●	●
	143	KTEB-432-UV-IS-H-P	Quick Ship	120-277	Instant	1.22-0.51	0.98	10	1.25	-18/0	75/167	5	F3-3	L5	●	
	97	KTEB-432-UV-IS-L-P	Quick Ship	120-277	Instant	0.81-0.35	0.98	10	0.90	-18/0	75/167	5	F3-3	L6	●	●
	111	KTEB-432-UV-IS-N-P	Quick Ship	120-277	Instant	0.93-0.39	0.99	10	0.95	-18/0	75/167	5	F3-3	L6	●	●
	99	KTEB-432-UV-PS-L-P	Quick Ship	120-277	Program	0.83-0.36	0.99	10	0.79	-18/0	75/167	5	F4-6	L11	●	●
	111	KTEB-432-UV-PS-N-P	Quick Ship	120-277	Program	0.93-0.41	0.98	10	0.88	-18/0	75/167	5	F3-8	L11	●	●
153	KTEB-454HO-UV-PS-SL	Quick Ship	120-277	Program	1.28-0.56	0.98	10	0.90	-18/0	90/194	5	F3-6, F3-7	L12	●		
4	203	KTEB-454HO-UV-PS-SL	Quick Ship	120-277	Program	1.69-0.73	0.99	10	0.89	-18/0	90/194	5	F4-5	L12	●	

### WIRING DIAGRAMS

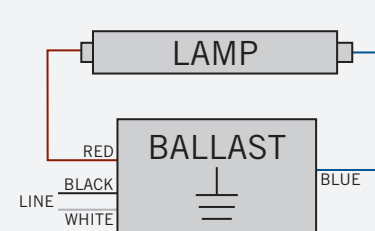
**F1-4**



**F1-5**



**F1-9**



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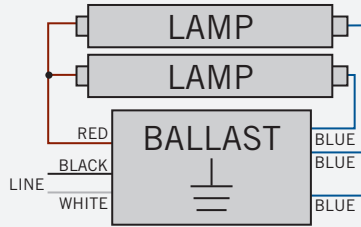


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## T8 LAMPS OVER 48"

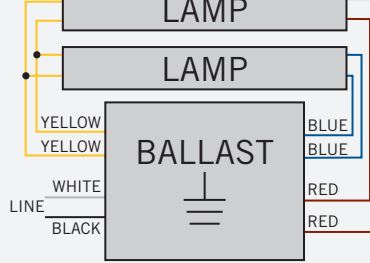
### WIRING DIAGRAMS (continued)

**F2-5**



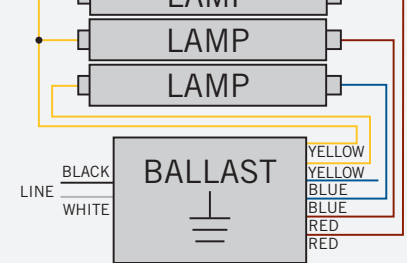
FOR 2 LAMP OPERATION, CAP UNUSED  
BLUE LEAD, INSULATE TO 600V

**F2-18**



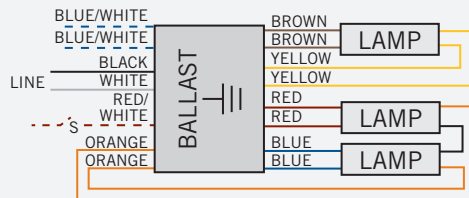
FOR 1 LAMP OPERATIONS, CAP 1 YELLOW LEAD

**F3-3**



FOR 3 LAMP OPERATION, CAP UNUSED  
BLUE LEAD, INSULATE TO 600V

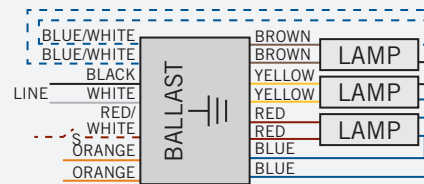
**F3-6**



S	LAMPS
ON	3 LAMPS ON
OFF	2 LAMPS ON

FOR 3 LAMP OPERATION, CAP UNUSED  
BLUE/WHITE LEADS, INSULATE TO 600V

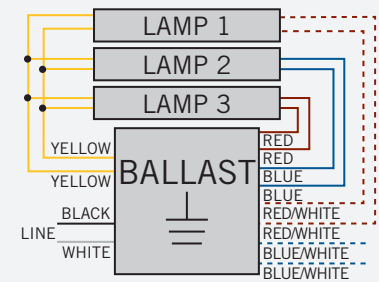
**F3-7**



S	LAMPS
ON	3 LAMPS ON
OFF	1 LAMPS ON

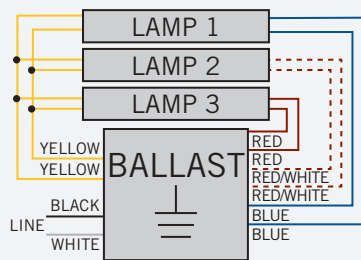
FOR 3 LAMP OPERATION, CAP UNUSED ORANGE LEADS,  
INSULATE TO 600V

**F3-8**

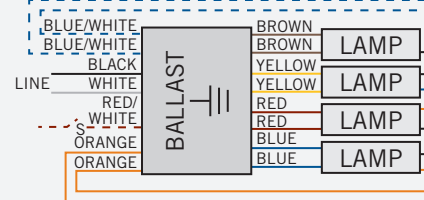


CAP UNUSED BLUE/WHITE LEAD, INSULATE TO 600V

**F3-9**



**F4-5**

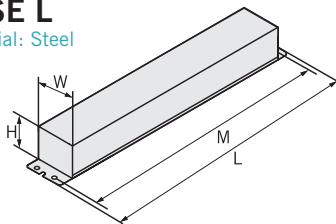


S	LAMPS
ON	4 LAMPS ON
OFF	2 LAMPS ON

### CASE STYLES

**CASE L**

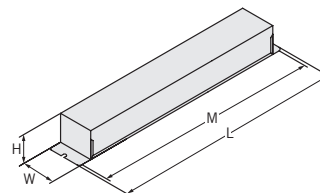
Material: Steel



Case Style	Mounting	Length	Width	Height
L5	8.90"	9.50"	1.70"	1.15"
L6	8.90"	9.50"	1.38"	1.18"
L9	8.90"	9.57"	1.13"	1.07"
L11	8.90"	9.50"	1.65"	1.18"
L12	9.00"	9.45"	2.28"	1.03"

**CASE N**

Material: Steel



Case Style	Mounting	Length	Width	Height
N3	9.00"	9.60"	1.16"	0.88"

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## PLL



### ELECTRICAL SPECIFICATIONS

No. of Lamps	Input Power (W)	Catalog Number	Status	Input Volts	Starting Method	Line Current	Min. Power Factor	Max. THD	Ballast Factor	Min. Start Temp. (°C/°F)	Max. Case Temp. (°C/°F)	Warranty (Years)	Wiring Diagram	Case Style	UL LISTED
<b>FT36W/39W/2G11</b>															
1	41	KTEB-454HO-UV-PS-SL	Quick Ship	120-277	Program	0.33-0.17	0.85	15	0.88	-18/0	90/194	5	F3-7	L12	●
2	75	KTEB-454HO-UV-PS-SL	Quick Ship	120-277	Program	0.63-0.29	0.94	10	0.87	-18/0	90/194	5	F3-6, F4-5	L12	●
3	114	KTEB-454HO-UV-PS-SL	Quick Ship	120-277	Program	0.98-0.43	0.96	10	0.88	-18/0	90/194	5	F3-6, F3-7	L12	●
4	154	KTEB-454HO-UV-PS-SL	Quick Ship	120-277	Program	1.33-0.57	0.97	10	0.87	-18/0	90/194	5	F4-5	L12	●
<b>FT40W/2G11RS</b>															
1	38	KTEB-139HO-1-TP	Quick Ship	120	Rapid	0.55	0.50	150	0.90	-18/0	75/167	3	F1-15	N1	●
	39	KTEB-142T-1-TP-SC	Consult Factory	120	Rapid	0.56	0.50	120	0.85	-18/0	90/194	3	P1-1	L8	●
	47	KTEB-224HO-UV-PS-SL	Quick Ship	120-277	Program	0.40-0.17	0.98	10	1.00	-18/0	90/194	5	F2-1	L11	●
	50	KTEB-239HO-UV-PS-SL	Quick Ship	120-277	Program	0.42-0.19	0.97	12	1.09	-18/0	90/194	5	F2-1	L11	●
	45	KTEB-242-UV-PS-DW	Quick Ship	120-277	Program	0.37-0.17	0.96	10	1.00	-18/0	90/194	5	P1-2	W2	●
2	82	KTEB-242-UV-PS-DW	Quick Ship	120-277	Program	0.69-0.30	0.98	10	0.95	-18/0	90/194	5	P2-2	W2	●

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No. of Lamps	Input Power (W)	Catalog Number	Status	Input Volts	Starting Method	Line Current	Min. Power Factor	Max. THD	Ballast Factor	Min. Start Temp. (°C/°F)	Max. Case Temp. (°C/°F)	Warranty (Years)	Wiring Diagram	Case Style	UL LISTED
<b>FT50W/2G11RS</b>															
1	48	KTEB-154HO-1-TP	Quick Ship	120	Rapid	0.73	0.50	150	0.90	-18/0	75/167	3	P1-1	N1	●
	57	KTEB-254HO-UV-PS-SL	Quick Ship	120-277	Program	0.49-0.22	0.92	12	1.00	-18/0	90/194	5	P1-2	L6	●
		KTEB-254HO-UV-PS	Quick Ship	120-277	Program	0.49-0.22	0.92	12	1.00	-18/0	90/194	5	P1-2	U4	●
	53	KTEB-454HO-UV-PS	Quick Ship	120-277	Program	0.90-0.38	0.90	20	0.87	-18/0	90/194	5	F3-6	L10	●
2	115	KTEB-254HO-UV-PS-SL	Quick Ship	120-277	Program	0.98-0.43	0.98	10	1.00	-18/0	90/194	5	P2-2	L6	●
		KTEB-254HO-UV-PS	Quick Ship	120-277	Program	0.98-0.43	0.98	10	1.00	-18/0	90/194	5	P2-2	U4	●
	102	KTEB-454HO-UV-PS	Quick Ship	120-277	Program	0.45-0.25	0.96	15	0.85	-18/0	90/194	5	F3-6, F4-5	L10	●
3	153	KTEB-454HO-UV-PS	Quick Ship	120-277	Program	1.28-0.56	0.98	15	0.87	-18/0	90/194	5	F3-6	L10	●
4	202	KTEB-454HO-UV-PS	Quick Ship	120-277	Program	1.70-0.77	0.99	10	0.85	-18/0	90/194	5	F4-5	L10	●
<b>FT55W/2G11RS</b>															
1	48	KTEB-154HO-1-TP	Quick Ship	120	Rapid	0.73	0.50	150	0.85	-18/0	75/167	3	P1-1	N1	●
	55	KTEB-254HO-UV-PS-SL	Quick Ship	120-277	Program	0.46-0.21	0.92	12	0.86	-18/0	90/194	5	P1-2	L6	●
		KTEB-254HO-UV-PS	Quick Ship	120-277	Program	0.46-0.21	0.92	12	0.86	-18/0	90/194	5	P1-2	U4	●
	56	KTEB-454HO-UV-PS-SL	Quick Ship	120-277	Program	0.46-0.22	0.92	15	0.93	-18/0	90/194	5	F3-7	L12	●
	53	KTEB-454HO-UV-PS	Quick Ship	120-277	Program	0.45-0.25	0.90	20	0.87	-18/0	90/194	5	F3-6	L10	●
2	106	KTEB-254HO-UV-PS-SL	Quick Ship	120-277	Program	0.98-0.38	0.99	10	0.85	-18/0	90/194	5	P2-2	L6	●
		KTEB-254HO-UV-PS	Quick Ship	120-277	Program	0.98-0.38	0.99	10	0.85	-18/0	90/194	5	P2-2	U4	●
	101	KTEB-454HO-UV-PS-SL	Quick Ship	120-277	Program	0.84-0.38	0.97	10	0.92	-18/0	90/194	5	F3-6, F4-5	L12	●
	102	KTEB-454HO-UV-PS	Quick Ship	120-277	Program	0.85-0.39	0.96	15	0.85	-18/0	90/194	5	F3-6, F4-5	L10	●
3	155	KTEB-454HO-UV-PS-SL	Quick Ship	120-277	Program	1.29-0.57	0.98	10	0.93	-18/0	90/194	5	F3-6, F3-7	L12	●
	153	KTEB-454HO-UV-PS	Quick Ship	120-277	Program	1.28-0.56	0.98	15	0.87	-18/0	90/194	5	F3-6	L10	●
4	209	KTEB-454HO-UV-PS-SL	Quick Ship	120-277	Program	1.74-0.76	0.98	10	0.90	-18/0	90/194	5	F4-5	L12	●
	202	KTEB-454HO-UV-PS	Quick Ship	120-277	Program	1.70-0.77	0.99	10	0.85	-18/0	90/194	5	F4-5	L10	●

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