

- Analog Dimming
- Rapid Start
- 1, 2, 3 & 4 Lamp Applications

BALLASTAR® 0-10 VOLT DIMMING BALLASTS FOR (1), (2), (3) & (4) T8 LAMPS

Lamp		Line Volts	Catalog Number	Line Current (Amps)	Input Power (Watts)	Power Factor (PF)	Ballast Factor (BF)	Ballast Efficacy Factor (BEF)	THD %	Min. F/C Start Temp	Wiring Diag.	Dim.
Qty.	Starting Method											
F25T8 - One Lamp Applications												
1	RS	120	B132R120V5 @ 100%	0.22	26	>.99	0.90	3.46	<10	50/10	13	ST
			B132R120V5 @ 5%	0.06	7	>.90	0.05	0.71	<15	50/10	13	ST
		277	B132R277V5 @ 100%	0.10	26	>.99	0.90	3.46	<10	50/10	13	ST
			B132R277V5 @ 5%	0.03	7	>.90	0.05	0.71	<20	50/10	13	ST
		347	B132R347V5 @ 100%	0.08	26	>.99	0.90	3.46	<10	50/10	13	ST
			B132R347V5 @ 5%	0.02	7	>.90	0.05	0.71	<30	50/10	13	ST
F25T8 - Two Lamp Applications												
2	RS	347	B232SR347V5 @ 100%	0.14	47	>.99	0.93	1.98	<10	50/10	15	-E
			B232SR347V5 @ 5%	0.04	12	>.90	0.05	0.42	<15	50/10	15	-E
F25T8 - Four Lamp Applications												
4	PAR-PRS	277	B432P277V5-E @ 100%	0.33	90	>.98	0.88	0.98	<10	50/10	14	-E
			B432P277V5-E @ 5%	0.09	22	>.90	0.05	0.23	<15	0/10	14	-E
F32T8 - One Lamp Applications												
1	RS	120	B132R120V5 @ 100%	0.27	32	>.99	0.88	2.75	<10	50/10	13	ST
			B132R120V5 @ 5%	0.07	8	>.90	0.05	0.63	<10	50/10	13	ST
		277	B132R277V5 @ 100%	0.12	32	>.99	0.88	2.75	<10	50/10	13	ST
			B132R277V5 @ 5%	0.03	8	>.90	0.05	0.63	<15	50/10	13	ST
		347	B132R347V5 @ 100%	0.09	32	>.99	0.88	2.75	<10	50/10	13	ST
			B132R347V5 @ 5%	0.02	8	>.90	0.05	0.63	<20	50/10	13	ST
F32T8 - Two Lamp Applications												
2	SER-RS	120	B232SR120V5 @ 100%	0.52	62	>.99	0.88	1.42	<10	50/10	15	ST
			B232SR120V5 @ 5%	0.12	13	>.90	0.05	0.38	<10	50/10	15	ST
		277	B232SR277V5 @ 100%	0.23	62	>.99	0.88	1.42	<10	50/10	15	ST
			B232SR277V5 @ 5%	0.05	13	>.90	0.05	0.38	<15	50/10	15	ST
		347	B232SR347V5 @ 100%	0.18	62	>.99	0.88	1.42	<10	50/10	15	ST
			B232SR347V5 @ 5%	0.04	13	>.90	0.05	0.38	<15	50/10	15	ST
2	RS	347	B232SR347V5 @ 100%	0.18	62	>.99	0.88	1.42	<10	50/10	15	-E
			B232SR347V5 @ 5%	0.04	13	>.90	0.05	0.38	<15	50/10	15	-E
F32T8 - Three Lamp Applications												
3	SER-RS	120	B332SR120V5 @ 100%	0.77	92	>.99	0.88	0.96	<10	50/10	17	ST
			B332SR120V5 @ 5%	0.17	20	>.90	0.05	0.25	<10	50/10	17	ST
		277	B332SR277V5 @ 100%	0.33	92	>.99	0.88	0.96	<10	50/10	17	ST
			B332SR277V5 @ 5%	0.07	20	>.90	0.05	0.25	<15	50/10	17	ST
F32T8 - Four Lamp Applications												
4	SER/PAR-RS	277	B432SR277V5 @ 100%	0.42	117	>.99	0.88	0.79	<10	50/10	18	-ZZ
			B432SR277V5 @ 5%	0.11	27	>.90	0.05	0.19	<15	50/10	18	-ZZ
4	SER-PRS	277	B432P277V5-E @ 100%	0.42	115	>.99	0.88	0.77	<10	50/10	14	-E
			B432P277V5-E @ 5%	0.10	24	>.90	0.05	0.21	<15	50/10	14	-E
4	SER-PRS	277	B432P277V5H-E @ 100%	0.55	150	>.99	1.18	0.79	<10	50/10	14	-E
			B432P277V5H-E @ 5%	0.12	28	>.90	0.06	0.22	<15	50/10	14	-E

All models except B232SR347V5 are cULus Listed
B232SR347V5 is CSA Certified

See page 3-12 for Dimensions
and Wiring Diagrams

IS = Instant Start
PRS = Programmed Rapid Start
RS = Rapid Start

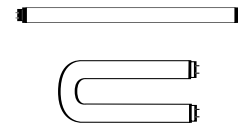
STARTING METHOD LEGEND
PAR-IS = Parallel Instant Start
PAR-PRS = Parallel Programmed Rapid Start

PAR-RS = Parallel Rapid Start
SER-RS = Series Rapid Start

BALLASTAR® DIMMING BALLASTS

FOR (1), (2) & (3) T8 LAMPS

- Step Dimming
- Rapid Start
- 1-3 Lamp Applications



**BALLASTAR
LIGHT LEVEL
SWITCHING**

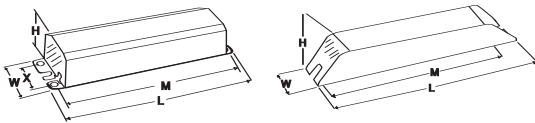
Lamp Qty.	Starting Method	Line Volts	Catalog Number	Line Current (Amps)	Input Power (Watts)	Power Factor (PF)	Ballast Factor (BF)	Ballast Efficacy Factor (BEF)	THD %	Min. F/C Start Temp	Wiring Diag.	Dim.			
F17T8 - One Lamp Applications															
1	PRS	120	B232PUS50-A @ 100%	0.14	16	> .95	0.88	5.50	< 15	32/0	12a	-A			
			B232PUS50-A @ 50%	0.08	9	> .95	0.29	3.22	< 15	32/0	12a	-A			
		277	B232PUS50-A @ 100%	0.08	16	> .70	0.88	5.50	< 15	32/0	12a	-A			
			B232PUS50-A @ 50%	0.05	9	> .70	0.29	3.22	< 15	32/0	12a	-A			
F17T8 - Two Lamp Applications															
2	PRS	120	B232PUS50-A @ 100%	0.25	30	> .99	0.87	2.90	< 10	32/0	12	-A			
			B232PUS50-A @ 50%	0.14	16	> .98	0.30	1.88	< 15	32/0	12	-A			
		277	B232PUS50-A @ 100%	0.12	30	> .88	0.87	2.90	< 10	32/0	12	-A			
			B232PUS50-A @ 50%	0.07	16	> .85	0.30	1.88	< 15	32/0	12	-A			
F25T8 - One Lamp Applications															
1	RS	120	B232PUS50-A @ 100%	0.21	24	> .95	0.85	3.54	< 10	32/0	12a	-A			
			B232PUS50-A @ 50%	0.10	12	> .90	0.28	2.33	< 10	32/0	12a	-A			
		277	B232PUS50-A @ 100%	0.11	24	> .80	0.85	3.54	< 10	32/0	12a	-A			
			B232PUS50-A @ 50%	0.06	12	> .80	0.28	2.33	< 10	32/0	12a	-A			
F25T8 - Two Lamp Applications															
2	SER-RS	120	B232PUS50-A @ 100%	0.39	46	> .98	0.84	1.83	< 10	32/0	12	-A			
			B232PUS50-A @ 50%	0.20	24	> .95	0.28	1.17	< 10	32/0	12	-A			
		277	B232PUS50-A @ 100%	0.18	46	> .98	0.84	1.83	< 10	32/0	12	-A			
			B232PUS50-A @ 50%	0.09	24	> .90	0.28	1.17	< 10	32/0	12	-A			
F32T8 - One Lamp Applications															
1	RS	120	B132R120S30 @ 100%	0.27	32	> .99	0.89	2.78	< 10	50/10	11	ST			
			B132R120S30 @ 60%	0.19	23	> .99	0.60	2.61	< 10	50/10	11	ST			
			B132R120S30 @ 30%	0.12	14	> .98	0.28	2.00	< 10	50/10	11	ST			
			B132R277S30 @ 100%	0.13	33	> .99	0.89	2.70	< 10	50/10	11	ST			
			B132R277S30 @ 60%	0.09	25	> .98	0.63	2.52	< 15	50/10	11	ST			
			B132R277S30 @ 30%	0.06	15	> .95	0.28	1.87	< 20	50/10	11	ST			
		277	B232PUS50-A @ 100%	0.25	29	> .99	0.88	3.03	< 10	32/0	12a	ST			
			B232PUS50-A @ 50%	0.12	14	> .98	0.29	2.07	< 10	32/0	12a	ST			
			B232PUS50-A @ 100%	0.12	29	> .85	0.88	3.03	< 10	32/0	12a	ST			
			B232PUS50-A @ 50%	0.06	14	> .80	0.29	2.07	< 20	32/0	12a	ST			
			F32T8 - Two Lamp Applications												
			2	SER-RS	120	B232SR120S30 @ 100%	0.52	62	> .99	0.88	1.42	< 10	50/10	12	ST
B232SR120S30 @ 60%	0.38	45				> .95	0.58	1.29	< 10	50/10	12	ST			
B232SR120S30 @ 30%	0.24	28				> .95	0.27	0.96	< 10	50/10	12	ST			
B232SR277S30 @ 100%	0.23	62				> .99	0.88	1.42	< 10	50/10	12	ST			
B232SR277S30 @ 60%	0.17	45				> .95	0.58	1.29	< 10	50/10	12	ST			
B232SR277S30 @ 30%	0.11	28				> .95	0.27	0.96	< 10	50/10	12	ST			
277	B232PUS50-A @ 100%	0.48			57	> .99	0.88	1.54	< 10	32/0	12	-A			
	B232PUS50-A @ 50%	0.24			28	> .99	0.30	1.07	< 10	32/0	12	-A			
	B232PUS50-A @ 100%	0.21			56	> .95	0.88	1.57	< 10	32/0	12	-A			
	B232PUS50-A @ 50%	0.11			28	> .90	0.30	1.07	< 10	32/0	12	-A			
	F32T8 - Three Lamp Applications														
	3	SER-RS			120	B332SR120S30 @ 100%	0.78	93	> .99	0.88	0.95	< 10	50/10	16	ST
B332SR120S30 @ 60%			0.61	69		> .95	0.60	0.87	< 10	50/10	16	ST			
B332SR120S30 @ 30%			0.40	43		> .95	0.30	0.70	< 10	50/10	16	ST			
277			B332SR277S30 @ 100%	0.34	94	> .99	0.88	0.94	< 10	50/10	16	ST			
			B332SR277S30 @ 60%	0.26	69	> .95	0.60	0.87	< 10	50/10	16	ST			
			B332SR277S30 @ 30%	0.16	43	> .95	0.30	0.70	< 10	50/10	16	ST			

All models are cULus Listed

See page 3-12 for Dimensions and Wiring Diagrams

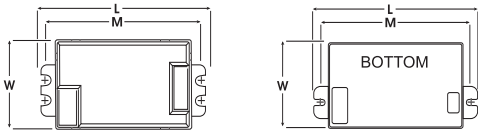
Fluorescent Dimming

Overall Dimensions		Mounting Dimensions			
Draw #	L	W	H	M	X
ST	9.50"	2.40"	1.55"	8.89"	1.69"
-E	16.88"	1.74"	1.18"	16.28"	—
-ZZ	16.40"	2.40"	1.50"	15.88"	1.69"
ESB	9.50"	2.38"	1.00"	8.88"	—
ESK	16.65"	1.24"	1.00"	16.30"	—
GT/HT	4.95"	3.00"	1.18"	4.63"	—
ESBM	9.50"	2.38"	1.00"	8.88"	—
ESBMT	9.50"	2.38"	1.20"	8.88"	—
DP1	18.00"	1.18"	1.18"	17.70"	—
DP2	4.95"	2.93"	1.38"	4.57"	—



ST, -ZZ

-E, ESB, ESK, ESBM, ESBMT, DP1



GT

HT, DP2

WIRING DIAGRAMS

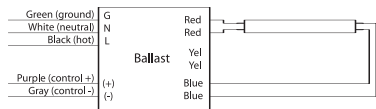


DIAGRAM 1

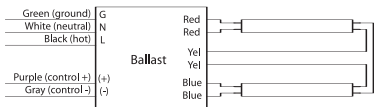


DIAGRAM 2

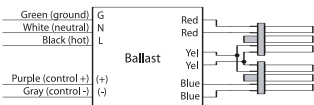


DIAGRAM 3

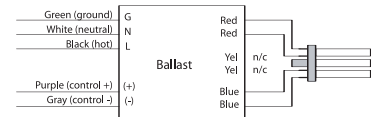


DIAGRAM 4

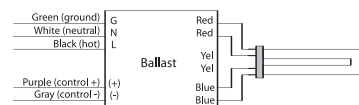


DIAGRAM 5

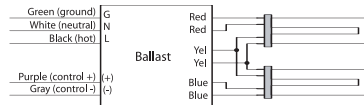


DIAGRAM 6

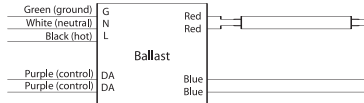


DIAGRAM 7

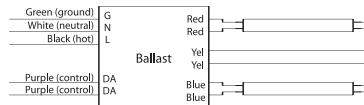


DIAGRAM 8

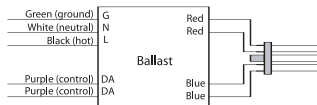


DIAGRAM 9

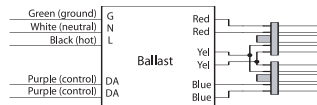


DIAGRAM 10

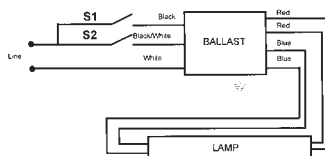


DIAGRAM 11

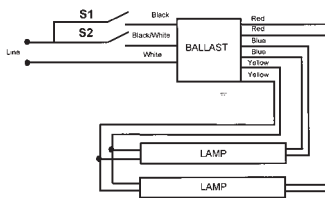


DIAGRAM 12

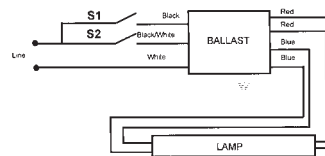


DIAGRAM 12a

INDIVIDUALLY CAP YELLOW LEADS

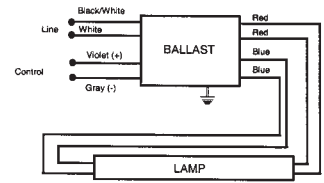


DIAGRAM 13

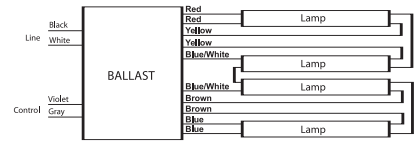


DIAGRAM 14

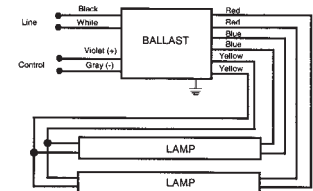


DIAGRAM 15

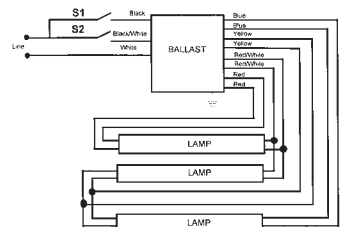


DIAGRAM 16

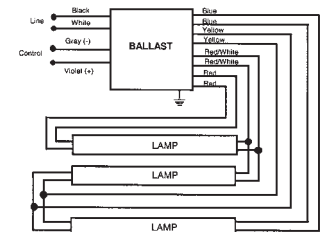


DIAGRAM 17

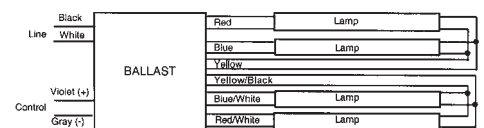


DIAGRAM 18