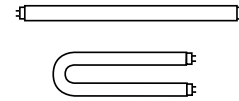


TRIAD® ELECTRONIC BALLASTS

FOR (1) & (2) F17T8 LAMP

- Low Profile Designs Featured
- Instant & Programmed Rapid Starting Options
- 1-2 Lamp Applications



F17T8

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											
F17T8 - One Lamp Application												
1	IS	120	B132I120RH-A	0.17	19	> .90	0.93	4.89	< 32	0/-18	1	-A
		120	B132IUNVHP-N	0.14	17	> .96	0.90	5.29	< 10	0/-18	1	-N
		277		0.07	18			5.00	< 15			
		347	B132I347HP	0.05	18	> .95	0.92	5.11	< 15	0/-18	1	ST
		120	B232I120RES-A*	0.35	21	> .50	1.08	5.14	< 150	0/-18	3a	-A
		120	B232I120RES-G*	0.34	22	> .50	1.08	4.91	< 150	0/-18	3a	-G
		120	B232IUNV-C ²	0.17	20	> .98	1.04	5.20	< 10	0/-18	21a	-C
		277		0.08		> .95						
		120	B132IUNVEL-A	0.12	14	> .98	0.78	5.57	< 15	0/-18	1	-A
		277		0.06		> .90						
120	B132IUNVHE-A	0.13	16	> .98	0.90	5.63	< 10	0/-18	1	-A		
277		0.07		> .90								
1	PRS	120	ES1608A ²	0.14	16	> .97	0.87	5.44	< 10	0/-18	39a	ESA
		277		0.07				5.12				
		120	B132PUNVHP-A ²	0.15	17	> .99	0.91	5.35	< 10	0/-18	2	-A
		277		0.07		> .96		< 15				
		347	ES1510A	0.05	18	> .97	0.87	4.83	< 10	0/-18	40	ESA
		F17T8 - Two Lamp Applications										
2	PAR-IS	120	B232I120RES-G*	0.49	33	> .50	0.94	2.85	< 140	0/-18	3	-G
		120	B232I120RES-A*	0.49	32	> .50	0.94	2.94	< 140	0/-18	3	-A
		120	B232I120RH-A	0.31	34	> .90	0.95	2.79	< 32	0/-18	3	-A
		277	B232I277RH-A	0.13	34	> .90	0.95	2.79	< 32	0/-18	3	-A
		347	B232I347RH-A	0.09	32	> .95	0.92	2.88	< 20	0/-18	3	-A
		347	B232I347HPL	0.09	29	> .98	0.79	2.72	< 10	0/-18	3	ST
		120	B232IUNVHP-N	0.27	32	> .99	0.91	2.84	< 10	0/-18	3	-N
		277		0.12		> .98						
		347	B232I347HP-A	0.09	32	> .95	0.92	2.88	< 10	0/-18	3	-A
		120	B232IUNV-C ²	0.27	31	> .99	0.91	2.94	< 10	0/-18	21	-C
		277		0.12		> .98		< 10				
		120	B232IUNVEL-A	0.21	25	> .95	0.80	3.20	< 10	0/-18	3	-A
		277		0.10				26	3.08			
		120	B232IUNVHE-A	0.24	30	> .95	0.90	3.00	< 10	0/-18	3	-A
		277		0.12								
120	B232IUNVHEH-A	0.33	41	> .95	1.18	2.88	< 10	0/-18	3	-A		
277		0.15		40		2.95						
2	SER-IS	120	ES1608A ²	0.24	29	> .97	0.87	3.00	< 10	0/-18	39	ESA
		277		0.11		30		2.90				
2	SER-PRS	347	ES1329 A	0.11	36	> .97	0.87	2.42	<10	0/-18	37	ESA

* For Residential Use Only

² Consult Universal for Availability

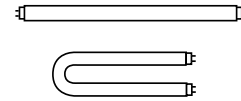
STARTING METHOD LEGEND

IS = Instant Start RS = Rapid Start PAR-PRS = Parallel Programmed Rapid Start PAR-RS = Parallel Rapid Start SER-IS = Series Instant Start
 PRS = Programmed Rapid Start PAR-IS = Parallel Instant Start SER-PRS = Series Programmed Rapid Start SER-RS = Series Rapid Start

TRIAD® ELECTRONIC BALLASTS

FOR (1) & (2) F25T8 LAMP

- Standard & Low Profile Designs Featured
- Instant & Programmed Rapid Starting Options
- 1-2 Lamp Applications



**F17T8-
F25T8**

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													
F17T8 - Four Lamp Applications														
4	PAR-PRS	120	B432PUNVHE-A	0.49	59	> .90	0.89	1.52	< 10	0/-18	50	-A		
		277		0.22	58									
		120	B432PUNVEL-A	0.42	50	> .90	0.72	1.43	< 10	0/-18	50	-A		
		277		0.18	49									
F25T8 - One Lamp Applications														
1	IS	120	B132I120RH-A	0.22	26	> .97	0.92	3.54	< 25	0/-18	1	-A		
		120	B132IUNVHP-N	0.20	24	>.98	0.88	3.67	< 10	0/-18	1	-N		
		277		0.09										
		347	B132I347HP	0.07	25	> .95	0.90	3.60	< 10	0/-18	1	ST		
		120	B132IUNVEL-A	0.18	19	> .98	0.78	4.11	<10	0/-18	1	-A		
		277		> .90										
		120	B132IUNVHE-A	0.18	22	> .98	0.89	4.05	<10	0/-18	1	-A		
		277		> .95										
		1	PRS	120	B132PUNVHP-A	0.20	24	> .99	0.91	3.79	< 10	0/-18	2	-A
				277		0.09		> .98						
1	SER-IS	347	ES1510A	0.07	24	> .97	0.87	2.81	< 10	0/-18	40	ESA		
		347	B232I347HPL	0.08	26	> .98	0.88	3.38	< 10	0/-18	3	ST		
		120	B232I120RES-A*	0.43	28	> .50	1.08	3.86	< 150	0/-18	3a	-A		
		120	B232I120RES-G*	0.43	28	> .50	1.08	3.86	< 150	0/-18	3a	-G		
		120	B232IUNV-C ²	0.24	28	> .98	1.02	3.64	< 10	0/-18	21	-C		
		277		0.11										
		120	ES1608A ²	0.19	23	> .97	0.87	3.78	< 10	0/-18	39a	ESA		
		277		0.09									24	
		F25T8 - Two Lamp Applications												
		2	PAR-IS	120	B232I120RES-A*	0.64	46	> .50	0.92	2.00	< 130	0/-18	3	-A
120	B232I120RES-G*			0.64	46	> .50	0.92	2.00	< 140	0/-18	3	-G		
120	B232I120RH-A			0.41	48	> .95	0.93	1.94	< 20	0/-18	3	-A		
277	B232I277RH-A			0.18	48	> .95	0.93	1.94	< 20	0/-18	3	-A		
347	B232I347RH-A			0.13	46	> .95	0.89	1.93	< 20	0/-18	3	-A		
347	B232I347HPL			0.12	41	> .98	0.75	1.83	< 10	0/-18	3	ST		
120	B232IUNVHP-N			0.37	45	> .99	0.90	2.00	< 10	0/-18	3	-N		
277				0.16				44					2.05	
347	B232I347HP-A			0.13	46	> .95	0.89	1.93	< 10	0/-18	3	-A		
120	B232IUNV-C ²			0.37	45	> .98	0.90	2.00	< 10	0/-18	21	-C		
277				0.16				44					2.05	
120	B232IUNVEL-A			0.30	36	> .95	0.79	2.19	< 10	0/-18	3	-A		
277				0.14				37					2.18	
120	B232IUNVHE-A			0.36	44	> .95	0.88	2.00	< 10	0/-18	3	-A		
277				0.16										
120	B232IUNVHEH-A			0.51	61	> .95	1.18	1.93	< 10	0/-18	3	-A		
277				0.22				60					1.97	

* For Residential Use Only

² Consult Universal for Availability

See page 2-19 for Dimensions and Wiring Diagrams

Overall Dimensions

Draw #	L	W	H	M	X
ST	9.50"	2.40"	1.55"	8.89"	1.69"
-A	9.50"	1.70"	1.18"	8.89"	1.69"
-B	9.50"	1.50"	1.00"	8.89"	0.88"
-C	14.25"	1.18"	1.00"	13.75"	---
-D	16.88"	1.18"	1.00"	16.20"	---
-G	9.50"	1.18"	1.00"	8.89"	---
-N	9.50"	1.30"	1.00"	8.89"	---
ESA	9.50"	1.56"	1.00"	8.88"	0.78"
ESB	9.50"	2.38"	1.00"	8.88"	---

Mounting Dimensions

WIRING DIAGRAMS

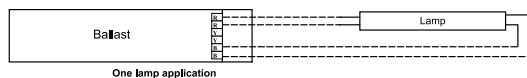
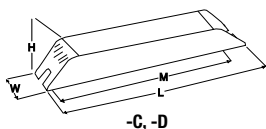
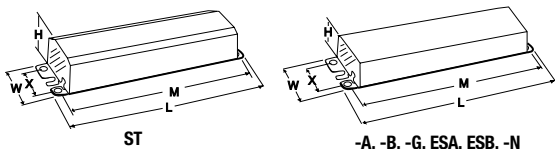


DIAGRAM 37a

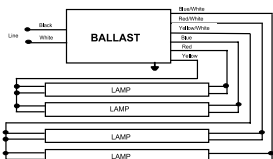


DIAGRAM 38

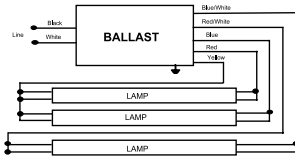


DIAGRAM 38a

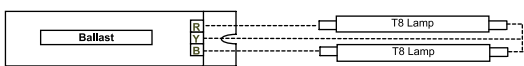


DIAGRAM 39

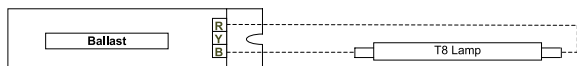


DIAGRAM 39a

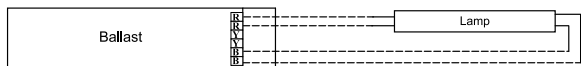


DIAGRAM 40

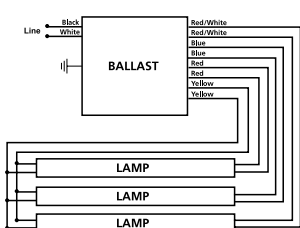


DIAGRAM 49

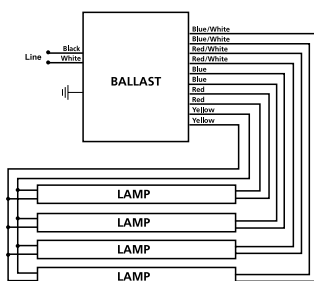


DIAGRAM 50

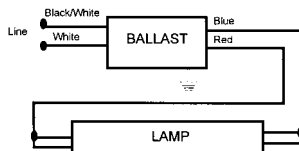


DIAGRAM 1

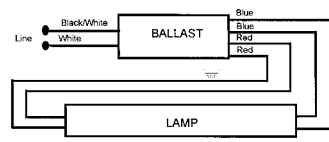


DIAGRAM 2

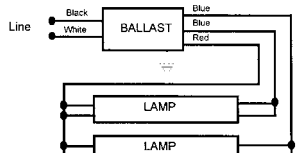


DIAGRAM 3

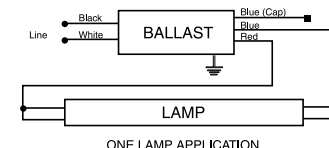


DIAGRAM 3a

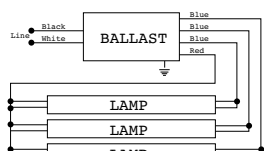


DIAGRAM 6

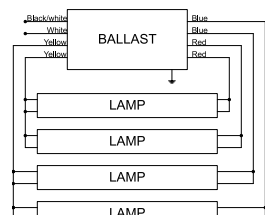


DIAGRAM 7

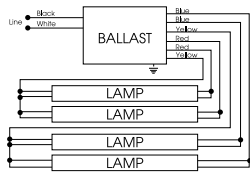


DIAGRAM 7a

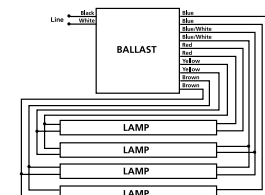


DIAGRAM 8

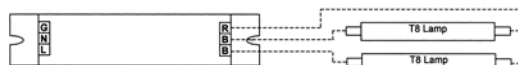


DIAGRAM 21

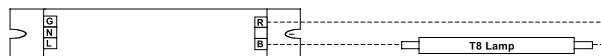


DIAGRAM 21a

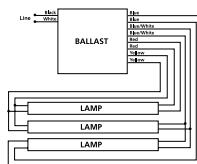


DIAGRAM 23

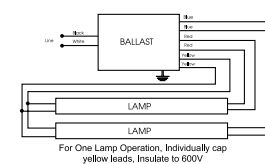


DIAGRAM 30

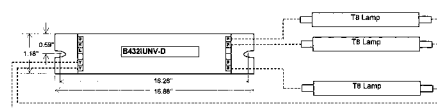
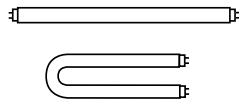


DIAGRAM 24



- Low Profile Designs Featured
- Instant & Programmed Rapid Starting Options
- 2 Lamp Applications

TRIAD® ELECTRONIC BALLASTS FOR (2) F32T8 LAMPS

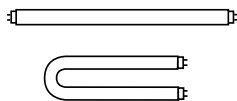
Lamp		Line Volts	Catalog Number	Line Current (Amps)	Input Power (Watts)	Power Factor (PF)	Ballast Factor (BF)	Ballast Efficacy Factor (BEF)	THD %	Min. F/C Start Temp	Wiring Diag.	Dim.
Qty.	Starting Method											
F32T8 - Two Lamp Applications												
2	PAR-IS	120	B232I120RES-A*	0.80	56	> .50	0.88	1.57	< 120	0/-18	3	-A
		120	B232I120RES-G*	0.80	56	> .50	0.88	1.57	< 130	0/-18	3	-G
		120	B232I120RH-A	0.49	58	> .98	0.88	1.52	< 20	0/-18	3	-A
		277	B232I277RH-A	0.22	58	> .98	0.88	1.52	< 20	0/-18	3	-A
		347	B232I347RH-A	0.17	58	> .99	0.88	1.52	< 20	0/-18	3	-A
		347	B232I347HPL	0.14	50	> .99	0.78	1.56	< 10	0/-18	3	ST
		120	B232IUNVHP-N	0.46	55	> .99	0.88	1.60	< 10	0/-18	3	-N
		277	B232IUNVHP-N	0.19	53	> .99	0.88	1.66	< 10	0/-18	3	-N
		347	B232I347HP-A	0.17	58	> .99	0.88	1.52	< 10	0/-18	3	-A
		120	B232IUNV-C ²	0.48	58	> .98	0.88	1.52	< 10	0/-18	21	-C
		277	B232IUNV-C ²	0.20	56	> .98	0.88	1.57	< 10	0/-18	21	-C
		120	B232IUNVEL-A	0.40	48	> .95	0.77	1.60	< 10	0/-18	3	-A
		277	B232IUNVEL-A	0.17	48	> .95	0.77	1.60	< 10	0/-18	3	-A
		120	B232IUNVHE-A	0.45	55	> .95	0.87	1.58	< 10	0/-18	3	-A
		277	B232IUNVHE-A	0.20	54	> .95	0.87	1.61	< 10	0/-18	3	-A
		120	B232IUNVHEH-A	0.62	74	> .95	1.18	1.59	< 10	0/-18	3	-A
		277	B232IUNVHEH-A	0.26	73	> .95	1.18	1.62	< 10	0/-18	3	-A
2	SER-IS	347	B332IHRVHB-E	0.22	76	> .97	1.22	1.61	< 10	0/-18	46	-E
		480	B332IHRVHB-E	0.17	76	> .90	1.22	1.61	< 10	0/-18	46	-E
		120	ES1608A ²	0.48	57	> .97	0.87	1.53	< 10	0/-18	39	ESA
		277	ES1608A ²	0.21	56	> .97	0.87	1.55	< 10	0/-18	39	ESA
		120	B332I120RH-A	0.59	69	> .95	1.03	1.49	< 25	0/-18	6	-A
		347	B332I347RH	0.19	65	> .95	0.99	1.52	< 20	0/-18	6	ST
2	PAR-IS	347	B332I347HPL	0.16	56	> .99	0.87	1.55	< 10	0/-18	6	ST
		120	B332IUNVHP-A	0.53	63	> .99	0.99	1.57	< 10	0/-18	6	-A
		277	B332IUNVHP-A	0.24	63	> .95	0.99	1.57	< 10	0/-18	6	-A
		347	B332I347HP	0.19	66	> .99	0.99	1.50	< 10	0/-18	6	ST
		120	B332IUNVEL-A	0.48	57	> .99	0.89	1.56	< 10	0/-18	6	-A
		277	B332IUNVEL-A	0.21	56	> .97	0.89	1.59	< 10	0/-18	6	-A
		120	B332IUNVHE-A	0.53	64	> .99	0.99	1.55	< 10	0/-18	6	-A
		277	B332IUNVHE-A	0.23	63	> .98	0.99	1.57	< 10	0/-18	6	-A
		120	B332IUNVHEH-A ¹	0.69	83	> .95	1.27	1.53	< 10	0/-18	6	-A
		277	B332IUNVHEH-A ¹	0.30	81	> .95	1.27	1.57	< 10	0/-18	6	-A
2	SER-PRS	347	ES1329A	0.17	59	> .97	0.87	1.47	<10	0/-18	37	ESA

* For Residential Use Only

¹ Consult lamp manufacturers for applications with Ballast Factor > 1.20

² Consult Universal for Availability

F32T8ES 30 WATT



- High Performance Models and Low Profile Designs
- Instant and Programmed Rapid Starting Options
- 1-2 Lamp Applications

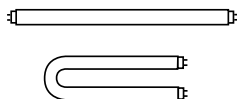
TRIAD® ELECTRONIC BALLASTS FOR (1) & (2) F32T8ES(30 WATT) LAMPS

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											
F32T8ES(30W) - One Lamp Applications												
1	IS	120	B132IUNVHP-N	0.24	28	> .98	0.88	3.14	< 10	60/16	1	-N
		277		0.10								
		120	B132IUNVEL-A	0.22	25	> .98	0.77	3.08	< 10	60/16	1	-A
		277		0.11								
1	PRS	120	B132IUNVHE-A	0.24	28	> .98	0.87	3.11	< 10	60/16	1	-A
		277		0.12								
		120	B132PUNVHP-A	0.23	28	> .99	0.88	3.14	< 10	60/16	2	-A
		277		0.10								
1	PAR-IS	120	B232I120RH-A	0.32	35	> .90	1.10	3.14	< 32	60/16	3a	-A
		277	B232I277RH-A	0.15	38	> .90	1.10	2.89	< 25	60/16	3a	-A
		347	B232I347RH-A	0.15	54	> .98	0.88	1.63	< 20	60/16	3a	-A
		120	B232IUNVHP-N	0.30	36	> .99	1.04	2.89	< 10	60/16	3a	-N
		277		0.13								
		347	B232I347HP-A	0.15	53	> .98	0.88	1.66	< 10	60/16	3a	-A
		120	B232IUNVEL-A	0.23	28	> .95	0.92	3.92	< 10	60/16	3a	-A
		277		0.11								
1	PAR-PRS	120	B232IUNVHE-A	0.25	32	> .95	1.05	3.28	< 10	60/16	3a	-A
		277		0.12								
		120	B232IUNVHEH-A ¹	0.37	43	> .95	1.38	3.21	< 10	60/16	3a	-A
		277		0.16								
		120	B232PUNVHE-B	0.27	32	> .90	1.01	3.12	<10	60/16	30	-B
		277		0.12	30		3.34					
		120	B232PUNVEL-B	0.23	28	> .90	0.83	3.01	<10	60/16	30	-B
		277		0.12	27		3.12					
F32T8ES(30W) - Two Lamp Applications												
2	PAR-IS	120	B232IUNVEL-A	0.38	46	> .95	0.77	1.67	< 10	60/16	3	-A
		277		0.17								
		120	B232IUNVHE-A	0.42	52	> .95	0.87	1.67	< 10	60/16	3	-A
		277		0.19								
		120	B232IUNVHEH-A	0.59	70	> .95	1.18	1.69	< 10	60/16	3	-A
		277		0.25								
		120	B232I120RH-A	0.47	55	> .98	0.89	1.62	< 20	60/16	3	-A
		277	B232I277RH-A	0.21	58	> .98	0.89	1.53	< 20	60/16	3	-A
2	PAR-IS	347	B232I347RH-A	0.10	34	> .98	1.04	3.06	< 20	60/16	3	-A
		120	B232IUNVHP-N	0.45	54	> .99	0.88	1.63	< 10	60/16	3	-N
		277		0.19	52		1.69					
		347	B232I347HP-A	0.10	34	> .98	1.04	3.06	< 10	60/16	3	-A
		120	B332I120RH-A	0.54	63	> .96	1.01	1.60	< 25	60/16	6	-A
		120	B332IUNVHP-A	0.50	59	> .99	0.99	1.68	< 10	60/16	6	-A
		277		0.22		> .95						

¹ Consult lamp manufacturers

See page 2-32 for Dimensions and Wiring Diagrams

F32T8ES (30W -25W)



- High Performance Models and Low Profile Designs
- 1-2 Lamp Applications

TRIAD® ELECTRONIC BALLASTS

FOR (1) & (2) F32T8ES (25 WATT) LAMPS

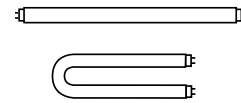
Lamp		Line Volts	Catalog Number	Line Current (Amps)	Input Power (Watts)	Power Factor (PF)	Ballast Factor (BF)	Ballast Efficacy Factor (BEF)	THD %	Min. F/C Start Temp	Wiring Diag.	Dim.		
Qty.	Starting Method													
F32T8ES(30W) - Four Lamp Applications														
4	PAR-IS	120	B432I120RH-A	0.87	104	> .99	0.88	0.85	< 10	60/16	7a	-A		
		347	B432I347HP	0.31	106	> .99	0.88	0.83	< 10	60/16	7a	ST		
		347	B432I347RH	0.31	106	> .99	0.88	0.83	< 20	60/16	7a	ST		
		120	B432IUNVHP-A	0.87	104	> .98	0.88	0.85	< 10	60/16	7a	-A		
		277		0.38	101	> .95		0.87						
		120	B432IUNVEL-A	0.80	97	> .99	0.77	0.79	< 10	60/16	7a	-A		
		277		0.34	96	> .98		0.80						
		120	B432IUNVHE-A	0.91	109	> .99	0.87	0.80	< 10	60/16	7a	-A		
277	0.38	106		> .99	0.82									
4	PAR-PRS	277	B432I277HEH	0.49	134	> .99	1.18	0.88	< 10	60/16	7a	ST		
		120	B432PUNVHE-A	0.86	103	> .90	0.87	0.84	<10	60/16	50	-A		
		277		0.37	101	0.86								
		120	B432PUNVEL-A	0.71	85	> .90	0.71	0.83	<10	60/16	50	-A		
		277		0.31	84	0.84								
		F32T8ES (25W) - One Lamp Applications												
		1	IS	120	B132IUNVHP-N	0.20	24	> .95	0.88	3.67	< 10	60/16	1	-N
				277		0.09		> .95						
120	B132IUNVEL-A			0.17	20	> .98	0.77	3.85	< 10	60/16	1	-A		
277				0.07		> .95								
120	B132IUNVHE-A			0.19	23	> .98	0.87	3.78	< 10	60/16	1	-A		
277				0.09		> .95								
120	B232IUNVHP-N			0.24	28	> .99	1.05	3.75	< 10	60/16	3a	-N		
277				0.10		> .98								
120	B232IUNVEL-A			0.20	24	> .99	0.95	3.96	< 10	60/16	3a	-A		
277				0.09	25	> .95		3.80						
120	B232IUNVHE-A			0.23	27	> .98	1.05	3.89	< 10	60/16	3a	-A		
277				0.10	> .95	3.89								
120	B232IUNVHEH-A ¹	0.32	38	> .95	1.38	3.63	< 10	60/16	3a	-A				
277		0.14	37			3.73								
1	SER-PRS	120	B132PUNVHP-A	0.21	25	> .99	0.88	3.52	< 10	60/16	2	-A		
		277		0.09										
1	PAR-PRS	120	B232PUNVHE-B	0.23	28	> .90	1.05	3.80	<10	60/16	30	-B		
		277		0.12	27			3.88						
		120	B232PUNVEL-B	0.20	24	> .90	0.83	3.49	<10	60/16	30	-B		
		277		0.11	23			3.58						
F32T8ES (25W) - Two Lamp Applications														
2	PAR-IS	120	B232IUNVHP-N	0.38	45	> .99	0.88	1.98	< 10	60/16	3	-N		
		277		0.16	44	> .98		2.02						
		120	B232IUNVEL-A	0.33	39	> .99	0.77	1.97	< 10	60/16	3	-A		
		277		0.14	38	> .98		2.03						
		120	B232IUNVHE-A	0.37	44	> .98	0.87	1.98	< 10	60/16	3	-A		
		277		0.16	43	2.02								
		120	B232IUNVHEH-A	0.49	59	> .95	1.18	2.00	< 10	60/16	3	-A		
		277		0.21	58			2.03						

¹ Consult lamp manufacturers for applications with Ballast Factor > 1.20

TRIAD® ELECTRONIC BALLASTS

FOR (1) & (2) F28T8 LAMPS

- High Performance Models and Low Profile Designs
- Instant and Programmed Rapid Starting Options
- 1-2 Lamp Applications



F28T8

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													
F28T8 - One Lamp Applications														
1	IS	277	B132I277RH-A	0.10	27	> .98	0.97	3.59	< 20	60/16	1	-A		
		120	B132IUNVHP-N	0.22	26	> .98	0.88	3.38	< 10	60/16	1	-N		
		277	B132IUNVEL-A	0.10	21	> .98 > .95	0.77	3.67	< 10	60/16	1	-A		
		120	B132IUNVHE-A	0.20	24	> .98 > .95	0.87	3.63	< 10	60/16	1	-A		
		277	B232I120RH-A	0.30	33	> .90	1.10	3.33	< 32	60/16	3a	-A		
		120	B232I277RH-A	0.13	33	> .90	1.10	3.33	< 32	60/16	3a	-A		
		347	B232I347RH-A	0.09	32	> .98	1.04	3.25	< 20	60/16	3a	-A		
		120	B232IUNVHP-N	0.25	30	> .99 > .98	1.05	3.50	< 10	60/16	3a	-N		
		277	B232I347HP-A	0.09	32	> .98	0.88	3.25	< 10	60/16	3a	-A		
		120	B232IUNVEL-A	0.22	26	> .95	0.95	3.65	< 10	60/16	3a	-A		
		277	B232IUNVEL-A	0.10	27	> .95	0.95	3.52	< 10	60/16	3a	-A		
		120	B232IUNVHE-A	0.24	29	> .95	1.10	3.79	< 10	60/16	3a	-A		
		277	B232IUNVHE-A	0.11	29	> .95	1.10	3.79	< 10	60/16	3a	-A		
		120	B232IUNVHEH-A ¹	0.33	40	> .95	1.38	3.45	< 10	60/16	3a	-A		
		277	B232IUNVHEH-A ¹	0.15	39	> .95	1.38	3.54	< 10	60/16	3a	-A		
		1	PRS	120	B132PUNVHP-A	0.28	27	> .99	0.88	3.26	< 10	60/16	2	-A
		277	B132PUNVHP-A	0.11	27	> .99	0.88	3.26	< 10	60/16	2	-A		
1	PAR-PRS	120	B232PUNVHE-B	0.25	30	> .90	1.01	3.41	< 10	60/16	30	-B		
		277	B232PUNVHE-B	0.12	29	> .90	1.01	3.45	< 10	60/16	30	-B		
		120	B232PUNVEL-B	0.21	25	> .90	0.83	3.33	< 10	60/16	30	-B		
277	B232PUNVEL-B	0.11	24	> .90	0.83	3.46	< 10	60/16	30	-B				
F28T8 - Two Lamp Applications														
2	PAR-IS	120	B232I120RH-A	0.43	51	> .98	0.90	1.76	< 20	60/16	3	-A		
		277	B232I277RH-A	0.19	51	> .98	0.90	1.76	< 20	60/16	3	-A		
		347	B232I347RH-A	0.14	50	> .98	0.88	1.76	< 20	60/16	3	-A		
		120	B232IUNVHP-N	0.40	48	> .99	0.88	1.83	< 10	60/16	3	-N		
		277	B232IUNVHP-N	0.17	47	> .98	0.88	1.87	< 10	60/16	3	-N		
		347	B232I347HP-A	0.14	50	> .98	1.04	1.76	< 10	60/16	3	-A		
		120	B232IUNVEL-A	0.36	43	> .95	0.77	1.79	< 10	60/16	3	-A		
		277	B232IUNVEL-A	0.15	43	> .95	0.77	1.79	< 10	60/16	3	-A		
		120	B232IUNVHE-A	0.40	49	> .95	0.87	1.78	< 10	60/16	3	-A		
		277	B232IUNVHE-A	0.18	48	> .95	0.87	1.81	< 10	60/16	3	-A		
		120	B232IUNVHEH-A	0.53	64	> .95	1.18	1.84	< 10	60/16	3	-A		
		277	B232IUNVHEH-A	0.23	62	> .95	1.18	1.90	< 10	60/16	3	-A		
		120	B332I120RH-A	0.50	57	> .95	1.02	1.79	< 32	60/16	6	-A		
		120	B332IUNVHP-A	0.46	55	> .99	0.99	1.80	< 10	60/16	6	-A		
		277	B332IUNVHP-A	0.21	54	> .90	0.99	1.83	< 10	60/16	6	-A		
		120	B332IUNVEL-A	0.41	49	> .99	0.89	1.82	< 10	60/16	6	-A		
		277	B332IUNVEL-A	0.18	48	> .95	0.89	1.85	< 10	60/16	6	-A		

¹ Consult lamp manufacturers for applications with Ballast Factors > 1.20