



Ballast Selector Guide

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T8



No. of Lamps	Lamp	Input Volts	Catalog Nbr	Ballast Family	Start Type	Line Current (Amps)	Input Power (Watts)	Ballast Factor	Also Operates							
									F25T8	F17T8	F40T8	F32T8ES	F28T8			
F32T8 & F32T8/U																
1	F32T8 & F32T8/U	120	B132I120RH-A	Std Electronic	IS	0.26	31	0.88	X	X	X					
		277	B132I277RH-A	Std Electronic	IS	0.11	31	0.88	X	X	X					
		120 - 277	B132IUNVHP-B	HP Electronic	IS	0.26 - 0.12	31	0.88	X	X	X					
			B132IUNVEL-A	ULTim 8	IS	0.22 - 0.11	25	0.77	X	X	X	X	X			
			B132IUNVHE-A	ULTim 8	IS	0.24 - 0.12	28	0.87	X	X	X	X	X			
			B132PUNVHP-A	Accustart T8	PRS	0.26 - 0.11	31 - 30	0.88	X	X		X				
2	F32T8 & F32T8/U	120	B232I120L-A	Low Power	IS	0.44	51	0.78	X	X	X					
			B232I120RH-A	Std Electronic	IS	0.49	58	0.88	X	X	X					
			B232I120RHH-A	High Light	IS	0.66	77	1.18				X				
			B232I120EL	ULTim 8	IS	0.40	47	0.77	X	X		X	X			
			B232I120HE	ULTim 8	IS	0.45	54	0.87	X	X		X	X			
			M232SR120C	ES Magnetic	RS	0.65	74	0.95								
		277	B232I277L-A	Low Power	IS	0.19	51	0.78	X	X	X					
			B232I277RH-A	Std Electronic	IS	0.22	58	0.88	X	X	X					
			B232I277RHH-A	High Light	IS	0.29	77	1.18				X				
			B232I277EL	ULTim 8	IS	0.18	47	0.77	X	X		X	X			
			B232I277HE	ULTim 8	IS	0.20	53	0.87	X	X		X	X			
			M232SR277C	ES Magnetic	RS	0.28	74	0.95								
		120 - 277	B232IUNVHP-B	HP Electronic	IS	0.50 - 0.21	59 - 58	0.88	X	X	X					
			B232IUNVHE-A	ULTim 8	IS	0.45 - 0.20	55 - 54	0.87	X	X		X	X			
			B232IUNVEL-A	ULTim 8	IS	0.40 - 0.17	48	0.77	X	X		X	X			
			B232PUNVHP-A	Accustart T8	PRS	0.52 - 0.22	62 - 60	0.88	X	X		X				
			3	F32T8 & F32T8/U	120	B332I120L-A	Low Power	IS	0.65	76	0.78	X	X	X		
						B332I120RH-A	Std Electronic	IS	0.75	86	0.88	X	X	X		
B332I120RHH	High Light	IS				0.98	113	1.18								
B332I120EL	ULTim 8	IS				0.59	70	0.77	X	X		X	X			
B332I120HE	ULTim 8	IS				0.67	80	0.87	X	X		X	X			
B332I277L-A	Low Power	IS				0.28	76	0.78	X	X	X					
277	B332I277RH-A	Std Electronic			IS	0.33	86	0.88	X	X	X					
	B332I277RHH	High Light			IS	0.43	113	1.18								
	B332I277EL	ULTim 8			IS	0.26	70	0.77	X	X		X	X			
	B332I277HE	ULTim 8			IS	0.30	79	0.87	X	X		X	X			
	120 - 277	B332IUNVHP-A			HP Electronic	IS	0.72 - 0.31	86 - 84	0.88	X	X	X				
		B332IUNVHE-A			ULTim 8	IS	0.70 - 0.30	83 - 81	0.87	X	X	X	X	X		
B332IUNVEL-A		ULTim 8	IS	0.61 - 0.26	74 - 73	0.77	X	X	X	X	X					
B332PUNVHP-A		Accustart T8	PRS	0.77 - 0.34	92 - 90	0.88	X	X		X						

- Universal voltage ballasts operate from 120-volts to 277-volts.**
- Reduces ballast inventory requirements
 - Installer friendly - they cannot be connected to the wrong voltage
 - Low profile dimensions make installation easy
 - Same wiring and mounting dimensions as standard ballasts



T8 and T8HO



No. of Lamps	Lamp	Input Volts	Catalog Nbr	Ballast Family	Start Type	Line Current (Amps)	Input Power (Watts)	Ballast Factor	Also Operates				
									F25T8	F17T8	F40T8	F32T8ES	F28T8
F32T8 & F32T8/U													
4	F32T8 & F32T8/U	120	B432I120L-A	Low Power	IS	0.85	100	0.78	X	X	X		
			B432I120RH-A	Std Electronic	IS	0.93	112	0.88	X	X	X		
			B432I120EL	ULTim 8	IS	0.81	95	0.77	X	X		X	X
			B432I120HE	ULTim 8	IS	0.90	106	0.87	X	X		X	X
		277	B432I277L-A	Low Power	IS	0.36	98	0.78	X	X			
			B432I277RH-A	Std Electronic	IS	0.40	110	0.88	X	X	X		
			B432I277EL	ULTim 8	IS	0.35	93	0.77	X	X		X	X
			B432I277HE	ULTim 8	IS	0.39	105	0.87	X	X		X	X
		120 - 277	B432I277HEH	ULTim 8	IS	0.53	145	1.18	X	X		X	X
			B432IUNVHP-A	HP Electronic	IS	0.93 - 0.40	112 - 100	0.88	X	X	X		
			B432IUNVEL-A	ULTim 8	IS	0.80 - 0.34	97 - 96	0.77	X	X	X	X	X
			B432IUNVHE-A	ULTim 8	IS	0.91 - 0.38	109 - 106	0.87	X	X	X	X	X
			B432PUNVHP-A	Accustart T8	PRS	1.00 - 0.42	119 - 115	0.88	X	X		X	

No. of Lamps	Lamp	Input Volts	Catalog Nbr	Ballast Family	Start Type	Line Current (Amps)	Input Power (Watts)	Ballast Factor	Also Operates			
									F96T8ES	F72T8	F48T8	
F96T8												
1	F96T8	120	B159I120RH	Std Electronic	IS	0.52	58	0.88				
		277	B159I277RH	Std Electronic	IS	0.22	58	0.88				
2	F96T8	120	B259I120RH	Std Electronic	IS	0.95	112	0.88				
			B259I120RHH	High Light	IS	1.30	150	1.18	X			
			B259I120HPL	HP Low Power	IS	0.84	100	0.78				
			B259I120HE	ULTim 8	IS	0.92	111	0.88	X		X	X
		277	B259I277RH	Std Electronic	IS	0.41	112	0.88				
			B259I277RHH	High Light	IS	0.56	150	1.18	X			
			B259I277HPL	HP Low Power	IS	0.36	100	0.78				
			B259I277HE	ULTim 8	IS	0.40	109	0.88	X		X	X
120 - 277	B259IUNVHP-A	HP Electronic	IS	0.95 - 0.40	113 - 110	0.88						

No. of Lamps	Lamp	Input Volts	Catalog Nbr	Ballast Family	Start Type	Line Current (Amps)	Input Power (Watts)	Ballast Factor	Also Operates			
									F48T8HO	F60T8HO	F72T8HO	
T8HO												
1	F96T8HO	120	B286I120RH	Std Electronic	IS	0.79	92	0.96	X	X	X	
		277	B286I277RH	Std Electronic	IS	0.32	87	0.93	X	X	X	
2	F96T8HO	120	B286I120RH	Std Electronic	IS	1.30	151	0.81	X	X	X	
		277	B286I277RH	Std Electronic	IS	0.53	144	0.81	X	X	X	



ULTim8 High Efficiency Electronic Ballasts

- Improved energy savings over standard electronic ballasts
- Dedicated and universal voltage models available
- .77 Ballast Factor models provide equivalent light levels as magnetic ballast F34T12 systems

AccuStart8 Programmed Rapid Start Ballasts:

- Programmed Rapid Start (PRS) exceeds Rapid Start starting requirements to maintain long lamp life in frequently switched applications
- Direct replacement for electronic rapid start ballasts
- Universal voltage and low profile dimensions simplify installation



T12



No. of Lamps	Lamp	Input Volts	Catalog Nbr	Ballast Family	Start Type	Standard Lamps			Energy Saving Lamps		
						Line Current (Amps)	Input Power (Watts)	Ballast Factor	Line Current (Amps)	Input Power (Watts)	Ballast Factor
F30T12											
1	F30T12	120	B140R120HP	HP Electronic	RS	0.26	30	0.91	0.24	27	0.86
			413-C-TC-P	Low PF Magnetic	RS	0.63	37	0.72	-	-	-
			691-L-TC-P	ES Magnetic	RS	0.38	45	0.97	-	-	-
		277	B140R277HP	HP Electronic	RS	0.11	30	0.91	0.10	27	0.86
			697-L-TC-P	ES Magnetic	RS	0.16	44	0.98	-	-	-
2	F30T12	120	B240R120RH	Std Electronic	RS	0.51	59	0.92	-	-	-
			B240R120HP	HP Electronic	RS	0.50	60	0.92	0.46	53	0.88
			573-L-TC-P	ES Magnetic	RS	0.66	79	0.95	0.57	67	0.89
			W-589-D-TC-P	Magnetic (0° F)	RS	0.66	79	0.90	0.58	68	0.86
		277	B240R277HP	HP Electronic	RS	0.22	60	0.92	0.20	53	0.88
			588-L-TC-P	ES Magnetic	RS	0.29	79	0.96	0.26	70	0.92
			W-590-D-TC-P	Magnetic (0° F)	RS	0.28	77	0.87	0.25	67	0.83
3	F30T12	120	B340R120HP	HP Electronic	RS	0.75	90	0.91	0.64	76	0.88
		277	B340R277HP	HP Electronic	RS	0.33	90	0.91	0.28	76	0.88
F40T12 & F40T12/U											
1	F40T12	120	B140R120HP	HP Electronic	RS	0.33	39	0.88	0.28	33	0.86
			412-L-SLH-TC-P	ES Magnetic	RS	0.45	52	0.95	0.38	44	0.88
			413-C-TC-P	Low PF Magnetic	RS	0.53	36	0.61	0.61	33	0.68
			W-650-L-TC-P	Magnetic (0° F)	RS	0.47	50	0.93	-	-	-
1	F40T12	277	B140R277HP	HP Electronic	RS	0.14	39	0.88	0.12	33	0.86
			458-L-SLH-TC-P	ES Magnetic	RS	0.19	51	0.95	0.17	44	0.88
			W-659-TC-P	Magnetic (0° F)	RS	0.20	53	0.87	-	-	-
1	F40T12/U	120	B140R120HP	HP Electronic	RS	0.33	39	0.88	0.28	33	0.86
		277	B140R277HP	HP Electronic	RS	0.14	39	0.88	0.12	33	0.86
2	F40T12 & F40T12/U	120	B240R120HP	HP Electronic	RS	0.65	75	0.88	0.54	64	0.86
			446-L-SLH-TC-P	ES Magnetic	RS	0.75	89	0.94	0.65	74	0.90
			W-589-D-TC-P	Magnetic (0° F)	RS	0.80	92	0.88	-	-	-
		277	B240R277HP	HP Electronic	RS	0.28	74	0.90	0.23	64	0.86
			443-L-SLH-TC-P	ES Magnetic	RS	0.34	90	0.95	0.28	74	0.90
			W-590-D-TC-P	Magnetic (0° F)	RS	0.83	90	0.87	-	-	-
3	F40T12	120	B340R120HP	HP Electronic	RS	0.94	113	0.88	0.78	93	0.86
		277	B340R277HP	HP Electronic	RS	0.41	113	0.88	0.34	93	0.86



T12: HO and VHO



No. of Lamps	Lamp	Input Volts	Catalog Nbr	Ballast Family	Start Type	Standard Lamps			Also Operates	
						Line Current (Amps)	Input Power (Watts)	Ballast Factor	F72T12HO	F72T8HO
T12HO										
1	F48T12HO	120	481-LH-TC-P	Std Magnetic	RS	0.79	82	0.84	X	X
			490-XLH-TC-P	Std Magnetic	RS	0.82	82	0.81	X	X
			498-LH-TC-P	Std Magnetic	RS	0.66	78	0.83		
			631-LH-TC-P	Std Magnetic	RS	1.05	82	0.83		
			WPR-481-LH	WP Magnetic	RS	0.79	82	0.84	X	X
			WPR-490-XLH	WP Magnetic	RS	0.82	82	0.81	X	X
		277	628-LH-TC-P	Std Magnetic	RS	0.32	79	0.89		
2	F48T12HO	120	490-XLH-TC-P	Std Magnetic	RS	1.18	139	0.87	X	X
			620-LH-TC-P	Std Magnetic	RS	1.31	152	0.99		
			631-LH-TC-P	Std Magnetic	RS	1.25	137	0.85		
			WPR-490-XLH	WP Magnetic	RS	1.18	139	0.87	X	X
		277	491-XLH-TC-P	Std Magnetic	RS	0.55	144	0.87		
			627-LH-TC-P	Std Magnetic	RS	0.55	150	0.99		
1	F96T12HO	120	481-LH-TC-P	Std Magnetic	RS	1.16	136	0.91	X	X
			490-XLH-TC-P	Std Magnetic	RS	1.10	124	0.85	X	X
			WPR-480-XLH-R	WP Magnetic	RS	2.15	250	0.96		
			WPR-481-LH	WP Magnetic	RS	1.16	136	0.91	X	X
		277	479-LH-TC-P	Std Magnetic	RS	0.49	135	0.90	X	X
2	F96T12HO	120	B295SR120HP	HP Electronic	SER-RS	1.77	208	0.90	X	X
			480-SLH-TC-P	ES Magnetic	RS	1.99	237	0.96	X	X
			480-XLH-TC-P	Std Magnetic	RS	2.15	250	0.96	X	X
		277	B295SR277HP	HP Electronic	SER-RS	0.76	208	0.90	X	X
			487-SLH-TC-P	ES Magnetic	RS	0.87	237	0.95	X	X
			487-XLH-TC-P	Std Magnetic	RS	0.95	261	0.97	X	X

No. of Lamps	Lamp	Input Volts	Catalog Nbr	Ballast Family	Start Type	Standard Lamps			Also Operates	
						Line Current (Amps)	Input Power (Watts)	Ballast Factor	F48PG17	F72PG17
T12VHO										
1	F48T12VHO	120	949-LH-TC-P	Std Magnetic	RS	1.16	138	0.86	X	
2	F48T12VHO	120	960-VLH-TC-P	Std Magnetic	RS	1.62	185	0.72		
		277	952-TC-P	Std Magnetic	RS	1.00	274	0.98	X	
1	F72T12VHO	120	951-S-TC-P	Std Magnetic	RS	2.19	169	0.81		
		277	957-S-TC-P	Std Magnetic	RS	0.75	161	0.79		
2	F72T12VHO	120	930-K-TC-P	Std Magnetic	RS	3.05	360	0.95		
			960-VLH-TC-P	Std Magnetic	RS	2.08	248	0.79	X	X
		277	937-K-TC-P	Std Magnetic	RS	1.26	341	0.91		
3	F72T12VHO	120	939-TC-P	Std Magnetic	RS	3.82	455	0.84		
1	F96T12VHO	120	951-S-TC-P	Std Magnetic	RS	2.28	213	0.83		
		277	957-S-TC-P	Std Magnetic	RS	0.81	197	0.78		
2	F96T12VHO	120	930-K-TC-P	Std Magnetic	RS	4.10	482	0.99		
			931-LH-TC-P	Std Magnetic	RS	3.83	431	0.93		
			WPR-931	WP Magnetic	RS	3.83	431	0.93		
		277	937-K-TC-P	Std Magnetic	RS	1.64	450	0.95		
3	F96T12VHO	120	933-TC-P	Std Magnetic	RS	4.62	550	0.87		

T12: Slimline

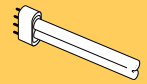


No. of Lamps	Lamp	Input Volts	Catalog Nbr	Ballast Family	Start Type	Standard Lamps			Energy Saving Lamps		
						Line Current (Amps)	Input Power (Watts)	Ballast Factor	Line Current (Amps)	Input Power (Watts)	Ballast Factor
1	F48T12	120	B260I120HP	HP Electronic	IS	0.39	47	1.08	0.36	42	1.08
			539-TC-P	Std Magnetic	IS	0.50	58	0.94	0.46	52	0.95
		277	B260I277HP	HP Electronic	IS	0.18	47	1.08	0.16	42	1.08
			531-TC-P	Std Magnetic	IS	0.22	55	1.16	0.22	49	0.92
2	F48T12	120	B260I120RH	Std Electronic	IS	0.68	76	0.92	0.60	64	0.92
			B260I120HP	HP Electronic	IS	0.61	74	0.91	0.57	66	0.93
			213-TC-P	Std Magnetic	IS	0.79	95	0.92	0.72	80	0.91
		277	B260I277RH	Std Electronic	IS	0.29	76	0.92	0.25	64	0.92
			B260I277HP	HP Electronic	IS	0.27	74	0.91	0.25	66	0.93
			532-BR-TC-P	Std Magnetic	IS	0.35	95	0.96	0.32	82	0.94
1	F60T12	120	875-L-TC-P	Std Magnetic	IS	0.50	55	0.74	-	-	-
2	F60T12	120	881-BR-TC-P	Std Magnetic	IS	0.96	109	0.84	-	-	-
1	F72T12	120	B260I120RH	Std Electronic	IS	0.60	66	1.04	-	-	-
			822-BR-TC-P	Std Magnetic	IS	0.72	81	0.95	-	-	-
		277	B260I277RH	Std Electronic	IS	0.25	66	1.04	-	-	-
			828-BR-TC-P	Std Magnetic	IS	0.30	78	0.92	-	-	-
2	F72T12	120	B260I120RH	Std Electronic	IS	0.92	107	0.90	-	-	-
			B260I120HP	HP Electronic	IS	0.90	107	0.91	-	-	-
			806-SLH-TC-P	Std Magnetic	IS	1.13	133	1.01	-	-	-
			881-BR-TC-P	Std Magnetic	IS	1.03	120	0.82	-	-	-
		277	827-SLH-TC-P	Std Magnetic	IS	0.49	135	0.93	-	-	-
			B260I277RH	Std Electronic	IS	0.39	107	0.90	-	-	-
B260I277HP	HP Electronic	IS	0.39	107	0.91	-	-	-			
1	F96T12	120	B260I120RH	Std Electronic	IS	0.73	83	1.02	0.60	66	1.05
			B260I120HP	HP Electronic	IS	0.70	84	1.05	0.59	70	1.05
			822-BR-TC-P	Std Magnetic	IS	0.84	96	0.95	0.70	79	0.90
		277	B260I277RH	Std Electronic	IS	0.31	83	1.02	0.26	66	1.05
			B260I277HP	HP Electronic	IS	0.31	84	1.05	0.26	70	1.03
			828-BR-TC-P	Std Magnetic	IS	0.35	93	0.93	0.30	79	0.96
2	F96T12	120	B260I120RH	Std Electronic	IS	1.16	133	0.86	0.93	107	0.88
			B260I120HP	HP Electronic	IS	1.16	137	0.88	0.96	112	0.88
			806-SLH-TC-P	Std Magnetic	IS	1.41	165	0.95	1.13	133	0.91
		277	B260I277RH	Std Electronic	IS	0.50	133	0.86	0.40	107	0.88
			B260I277HP	HP Electronic	IS	0.50	137	0.88	0.40	112	0.88
			827-SLH-TC-P	Std Magnetic	IS	0.58	158	0.93	0.48	132	0.89

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T5: Long Twin



No. of Lamps	Lamp	Input Volts	Catalog Nbr	Ballast Family	Start Type	Line Current (Amps)	Input Power (Watts)	Ballast Factor	Also Operates		
									F54T5HO	F24T5HO	F39T5HO
1	FT24W/2G11	120 - 277	B224PUNV-C	Accustart T5	PRS	0.23 - 0.10	27	1.02		X	X
2	FT24W/2G11	120 - 277	B224PUNV-C	Accustart T5	PRS	0.43 - 0.18	52 - 51	1.00		X	
1	FT36W/2G11	120 - 277	B224PUNV-C	Accustart T5	PRS	0.30 - 0.13	36	0.90		X	X
			B254PUNV-D	Accustart T5	PRS	0.37 - 0.18	45	1.22	X		
2	FT36W/2G11	120	4150P	Std Magnetic	RS	0.76	88	0.90			
		120 - 277	B239PUNV-D	Accustart T5	PRS	0.59 - 0.26	71 - 70	0.94		X	X
			B254PUNV-D	Accustart T5	PRS	0.73 - 0.30	87	1.20	X		
1	FT40W/2G11	120	C240SI120RH	Std Electronic	IS	0.40	40	1.02			
		277	C240SI277RH	Std Electronic	IS	0.17	40	1.02			
		120 - 277	C240PUNVHP-B	HP Electronic	PRS	0.34 - 0.15	41 - 40	1.00			
2	FT40W/2G11	120	C240SI120RH	Std Electronic	IS	0.61	67	0.88			
			4152P	Std Magnetic	RS	0.68	85	0.95			
		277	C240SI277RH	Std Electronic	IS	0.27	67	0.88			
			4252P	Std Magnetic	RS	0.30	85	0.95			
		120 - 277	C240PUNVHP-B	HP Electronic	PRS	0.63 - 0.27	76 - 73	0.90			
3	FT40W/2G11	120	C340SI120RH	Std Electronic	IS	0.88	98	0.88			
		277	C340SI277RH	Std Electronic	IS	0.39	98	0.88			

T5: Standard and HO



No. of Lamps	Lamp	Input Volts	Catalog Nbr	Ballast Family	Start Type	Primary Lamp			Also Operates		
						Line Current (Amps)	Input Power (Watts)	Ballast Factor	F14T5	F35T5	F21T5
1	F28T5	120 - 277	B228PUNV-C	Accustart T5	PRS	0.28 - 0.12	33	1.00	X	X	X
2	F28T5	120 - 277	B228PUNV-C	Accustart T5	PRS	0.55 - 0.23	66 - 64	1.00	X	X	X

No. of Lamps	Lamp	Input Volts	Catalog Nbr	Ballast Family	Start Type	Line Current (Amps)	Input Power (Watts)	Ballast Factor	F39T5HO	FT36W/2G11
1	F24T5HO	120 - 277	B224PUNV-C	Accustart T5	PRS	0.19 - 0.10	28	1.02	X	X
2	F24T5HO	120 - 277	B224PUNV-C	Accustart T5	PRS	0.45 - 0.23	53 - 52	1.00	X	X

No. of Lamps	Lamp	Input Volts	Catalog Nbr	Ballast Family	Start Type	Line Current (Amps)	Input Power (Watts)	Ballast Factor	F24T5HO	FT36W/2G11
1	F39T5HO	120 - 277	B239PUNV-D	Accustart T5	PRS	0.32 - 0.18	47	1.02	X	X
2	F39T5HO	120 - 277	B239PUNV-D	Accustart T5	PRS	0.75 - 0.39	89 - 88	1.00	X	X

No. of Lamps	Lamp	Input Volts	Catalog Nbr	Ballast Family	Start Type	Line Current (Amps)	Input Power (Watts)	Ballast Factor	FT50W/2G11	FT55W/2G11
1	F54T5HO	120 - 277	B254IUNV-E	ULTim5 T5	IS	0.53 - 0.24	64 - 62	1.02	X	X
			B254PUNV-D	Accustart T5	PRS	0.54 - 0.24	64	1.02	X	X
		347 - 480	B254IHRV-E	ULTim5 T5	IS	0.18 - 0.14	61	1.02	X	X
			B254PHRV-E	Accustart T5	PRS	0.19 - 0.15	66	1.02	X	X
2	F54T5HO	120 - 277	B254IUNV-E	ULTim5 T5	IS	0.98 - 0.43	116 - 113	1.00	X	X
			B254PUNV-D	Accustart T5	PRS	1.03 - 0.43	120 - 117	1.00	X	X
		347 - 480	B254IHRV-E	ULTim5 T5	IS	0.34 - 0.24	115 - 114	1.00	X	X
			B254PHRV-E	Accustart T5	PRS	0.35 - 0.26	120 - 119	1.00	X	X
3	F54T5HO	120 - 277	B454IUNV-E	ULTim5 T5	IS	1.50 - 0.64	176 - 172	1.05	X	X
			B454PUNV-E	Accustart T5	PRS	1.52 - 0.66	181 - 178	1.05	X	X
4	F54T5HO	120 - 277	B454IUNV-E	ULTim5 T5	IS	1.97 - 0.84	232 - 226	1.00	X	X
			B454PUNV-E	Accustart T5	PRS	2.01 - 0.86	240 - 234	1.00	X	X

Preheat



No. of Lamps	Lamp	Input Volts	Catalog Nbr	Ballast Family	Start Type	Line Current (Amps)	Input Power (Watts)	Ballast Factor	Also Operates			
									F15T8	F15T12	F14T12	FC12T9
1	F4T5	120	548-H2 ◆	Low PF Magnetic	Preheat	0.17	8	1.00				
1	F6T5	120	549-H2 ◆	Low PF Magnetic	Preheat	0.18	11	1.00				
1	F20T12	120	200-H2	Low PF Magnetic	Rapid	0.30	20	0.83	X	X	X	
			200-C-S-P ▲	Low PF Magnetic	Preheat	0.35	23	0.95	X	X	X	
			546-B-TC-P	Low PF Magnetic	Trigger	0.58	29	0.82	X	X	X	
			565-L-TC-P	Std Magnetic	Preheat	0.28	30	0.82	X	X	X	
1	F20T12	277	562-L-TC-P	Std Magnetic	Trigger	0.12	30	0.81	X	X	X	
2	F20T12	120	447-LR-TC-P	Low PF Magnetic	Trigger	0.43	37	0.56	X	X	X	
			564-L-TC-P	Std Magnetic	Trigger	0.51	55	0.85	X	X	X	
			W-564-D-TC-P	Magnetic (0°F)	Trigger	0.43	51	0.85	X	X	X	
		277	554-L-TC-P	Low PF Magnetic	Trigger	0.22	55	0.86	X	X	X	
3	F20T12	120	675-L-TC-P	Std Magnetic	Trigger	0.64	73	0.89	X	X	X	
1	F25T12	120	340H2 ◆	Low PF Magnetic	Preheat	0.42	29	0.90				
1	F40T12ES	120	202-B-TC-P ◆	Low PF Magnetic	Preheat	0.68	37	0.82				
			202-SB-TC-P ▲	Low PF Magnetic	Preheat	0.68	37	0.82				

▲ Starter is built in as an integral component

◆ Requires external starter

Circline



No. of Lamps	Lamp	Input Volts	Catalog Nbr	Ballast Family	Start Type	Line Current (Amps)	Input Power (Watts)	Ballast Factor
1	FC8T9	120	547-RS-WS-TC-P	Low PF Magnetic	Rapid	0.60	30	0.85
1	FC12T9	120	202-B-TC-P ◆	Low PF Magnetic	Preheat	0.67	37	0.91
		120	202-SB-TC-P ▲	Low PF Magnetic	Preheat	0.67	37	0.91
		120	445-RS-WS-TC-P	Low PF Magnetic	Rapid	0.60	35	0.68
		120	445-RS-WS-TC-P	Low PF Magnetic	Rapid	0.55	33	0.60
2	FC16T9	120	W589-D-TC-P	Magnetic (0°F)	Rapid	0.88	98	0.95
		277	W590-D-TC-P	Magnetic (0°F)	Rapid	0.38	96	0.93
1 Ea.	FC12T9 & FC16T9	120	726-L-VLH-WS-TC-P	Std Magnetic	Rapid	0.54	61	0.65

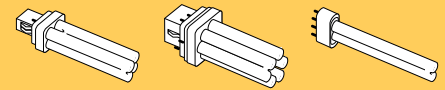
▲ Starter is built in as an integral component

◆ Requires external starter

To learn more about B-I-A please visit us at our
WEB site: www.BiaGmbH.com



Compact



Lamp	Input Volts	Catalog Nbr	Ballast Family	Start Type	One Lamp			Two Lamp		
					Line Current (Amps)	Input Power (Watts)	Ballast Factor	Line Current (Amps)	Input Power (Watts)	Ballast Factor
5, 7, & 9W 2-pin	120	4105F2P	CF Magnetic	Preheat	0.18	10	0.90	-	-	-
	277	4205F2P	CF Magnetic	Preheat	0.11	14	0.95			
13W 2-Pin	120	4111H2P	CF Magnetic	Preheat	0.29	17	1.00	-	-	-
		4114P & 4114PBES	CF Magnetic	Preheat	-	-	-	0.27	31.00	0.95
	277	4211P	CF Magnetic	Preheat	0.32	22	1.00			
		4214P & 4214PBES	CF Magnetic	Preheat	-	-	-	0.10	26.00	0.85
13W 4-Pin	120 - 277	C213UNVME/BE/SE/BES	CF Electronic	PRS	0.15 - 0.07	18	1.00	0.26 - 0.11	30	1.00
18W 4-Pin	120 - 277	C218UNVME/BE/SE/BES	CF Electronic	PRS	0.16 - 0.07	19	1.00	0.30 - 0.13	35	0.95
26W 2-Pin	120	4128P & 4128PBES	CF Magnetic	Preheat	-	-	-	0.55	61.00	0.90
	277	4226P & 4226PBES	CF Magnetic	Preheat	-	-	-	0.26	62.00	0.88
26W 4-Pin	120 - 277	C242UNVBE/SE/BES	CF Electronic	PRS	-	-	-	0.46 - 0.20	56 - 55	1.02
		C2642UNVME/BE/SE/BES	CF Electronic	PRS	0.25 - 0.11	28	1.02	0.47 - 0.21	56	0.98
32W	120 - 277	C242UNVBE/SE/BES	CF Electronic	PRS	-	-	-	0.58 - 0.26	69 - 67	1.00
		C2642UNVME/BE/SE/BES	CF Electronic	PRS	0.30 - 0.13	36	1.00	-	-	-
42W	120 - 277	C242UNVBE/SE/BES	CF Electronic	PRS	0.40 - 0.18	45	1.00	0.76 - 0.32	91 - 90	0.98
		C2642UNVME/BE/SE/BES	CF Electronic	PRS	0.41 - 0.18	48	0.98	-	-	-
57W	120 - 277	C242UNVBE/SE/BES	CF Electronic	PRS	0.52 - 0.21	58 - 57	1.00	-	-	-
70W	120 - 277	C242UNVBE/SE/BES	CF Electronic	PRS	0.61 - 0.27	73 - 72	1.00	-	-	-

Suffix: P - Side Lead Exit
SE - Side Exit Terminals

PBES: Bottom Lead Exit with Studs
BES: Bottom Lead Exit Terminals

BE - Bottom Exit Terminals
ME - Side and Bottom Exit Terminals

CFL Multi-E Kit



Multi-E Kit Products:

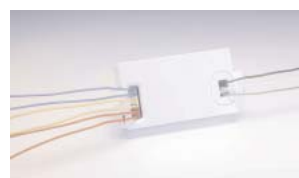
C213UNVME000K
C218UNVME000K
C2642UNVME000K

Multi-E Kits Contain

Multi-Exit Ballast
Snap-mount adapter plate
Lead wire set
Wire extraction tool
Instructions

Fits Virtually every j-box cover and fixture application

The Multi-Exit ballast lead wire connectors accommodate side and bottom lead exit requirements, and the Snap mount adapter plate adds bottom-exit studs and additional flexibility for replacement of older magnetic ballasts.



HID

continued on next page

Lamp Type	Lamp Watts	ANSI Code	Input Volts	Catalog Nbr	Circuit Type	Input Power (Watts)	Max. Input Current
High Pressure Sodium	35 W	S76	120	S35120RCEM000K	Reactor	43	1.15/0.68
	50 W	S68	120	S50120RCEM000K	Reactor	60	1.50/0.90
			120/208/240/277	S50MLTLC3M500K	HX-HPF	64	1.24/0.60/0.52/0.45
	70 W	S62	120	S70120RCEM000K	Reactor	83	2.10/0.90
			480	S7048TLC3M500K	HX-HPF	94	0.34
			120/208/240/277	S70MLTLC3M500K	HX-HPF	94	1.40/0.83/0.72/0.62
	100 W	S54	120	S100120RCEM000K	Reactor	117	2.90/1.80
			480	S10048TLC3M500K	HX-HPF	135	0.57
			120/208/240/277	S100MLTLC3M500K	HX-HPF	122	2.20/1.30/1.10/0.95
	150 W	S55	120	S150120RCEM000K	Reactor	171	4.40/2.20
			480 (120V Aux)	S15048TLC3M500K	HX-HPF	189	0.72
			120/208/240/277	S150MLTLC3M500K	HX-HPF	190	3.00/1.70/1.50/1.30
	200 W	S66	480 (120V Aux)	S20048TAC4M500K	CWA	245	0.56
			120/208/240/277	S200MLTAC4M500K	CWA	230	2.10/1.20/1.00/0.88
	250	S50	480	S25048TAC4M500K	CWA	285	0.62
			120/208/240/277/480	S250ML5AC4M500K	CWA	300	2.55/1.45/1.30/1.10/0.65
			120/208/240/277	S250MLTAC4M500K	CWA	300	2.60/1.55/1.30/1.15
	500 W	S51	480	S40048TAC4M500K	CWA	465	1.10
				S40048TAC5M500K	CWA	467	1.05
			120/208/240/277/480	S400ML5AC4M500K	CWA	465	4.00/2.30/2.00/1.70/1.10
S400ML5AC5M500K				CWA	468	4.40/2.62/2.21/1.90/1.05	
120/208/240/277			S400MLTAC4M500K	CWA	440	3.80/2.20/1.80/1.60	
			S400MLTAC5M500K	CWA	470	4.00/2.30/2.00/1.80	
1000 W	S52	480 (120V Aux)	S100048TAC5M500K	CWA	1100	2.45	
		120/208/240/277/480	S1000ML5AC5M500K	CWA	1048	9.10/5.40/4.60/4.10/2.45	
			S1000ML5AW5M500K	CWA	1048	9.10/5.40/4.60/4.10/2.40	
120/208/240/277	S1000MLTAC5M500K	CWA	1100	9.50/5.50/4.80/4.20			
Metal Halide	39 W	M130	120/208/240/277	M35MLTLC3M500K	HX-HPF	50	0.82/0.48/0.42/0.36
	50 W	M110	120/277	11210-236C-TC	F-Can	70	0.64/0.65
			120/208/240/277	M50MLTLC3M500K	HX-HPF	67	1.16/0.67/0.57/0.50
	70 W	M85	120/277	11210-277C-TC	F-Can	98	2.00/0.90
		M85 (double ended)	120/208/240/277	M70MLTLC3D500K	HX-HPF	95	1.70/1.04/0.87/0.78
		M98	120/277	11210-506C-TC	F-Can	90	2.00/0.90
			480	M7048TLC3M500K	HX-HPF	95	0.50
120/208/240/277	M70MLTLC3M500K	HX-HPF	95	1.70/1.04/0.87/0.78			

HID Ballast Kits provide everything you need for an easy ballast replacement:

- Adjustable mounting brackets for various mounting configurations
- Pre-wired Capacitor and Ignitor to speed and simplify installation
- Color Coded Leads for easy identification
- Vacuum impregnated for cool and quiet operation



Lamp Type	Lamp Watts	ANSI Code	Input Volts	Catalog Nbr	Circuit Type	(Watts)	Max. Input Current
Metal Halide	100 W	M90	120/277	11210-239C-TC	F-Can	125	2.20/1.00
		M90, M92, or M140	480	M10048TLC3M500K	HX-HPF	140	0.62
			120/208/240/277	M100MLTLC3M500K	HX-HPF	130	2.30/1.30/1.10/0.95
		M91 (double ended)	120/208/240/277	M100MLTLC3D500K	HX-HPF	130	2.30/1.30/1.10/0.95
	150 W	M102	120/277	11210-539C-TC	F-Can	185	3.70/1.60
		M102 or M142	120/208/240/277	M150MLTLC3M500K	HX-HPF	185	3.32/1.93/1.66/1.48
		M102, M142, or M107	480	M15048TLC3M500K	HX-HPF	180	1.00
		M81	120/277	11210-242C-TC	F-Can	185	3.70/1.60
		M81 (double ended)	120/208/240/277	M150MLTLC3D500K	HX-HPF	185	3.32/1.93/1.66/1.48
	175 W	M57 or H39	120/277	1110-245SC-TC	F-Can	205	1.75/0.75
		M57, H39, or M107	480	M17548TAC3M500K	CWA	200	0.51
			120/208/240/277/480	M175ML5AC3M500K	CWA	208/210	1.90/1.10/0.95/0.85/0.50
	M175MLTAC3M500K	120/208/240/277	M175MLTAC3M500K	CWA	205	1.82/1.13/0.93/0.85	
	250 W	M58	120/208/240/277	M250MLTAE3M	CWA	294	2.60/1.58/1.30/1.12
		M58 or H37	120/277	1110-246SC-TC	F-Can	295	2.50/1.10
			480	M25048TAC4M500K	CWA	284	0.61
			120/208/277/480	M250ML5AC3M500K	CWA	280	2.50/1.50/1.25/1.10/0.65
			120/208/240/277/480	M250ML5AC4M500K	CWA	282	2.42/1.40/1.20/1.00/0.60
			120/208/240/277	M250MLTAC3M500K	CWA	297	2.65/1.58/1.30/1.13
				M250MLTAC4M500K	CWA	290	3.05/1.65/1.55/1.25
	400 W	M59 or H33	120/277	1110-247SC-TC	F-Can	455	3.90/1.70
			M40027TAC4M	CWA	458	3.94/1.69	
			480	M400480AC4M	CWA	458	1.00
			120/208/240/277/480	M400ML5AC4M500K	CWA	458	4.00/2.30/2.00/1.70/1.00
			120/208/240/277	M400MLTAC4M500K	CWA	458	3.94/2.20/1.93/1.69
		M59 or H33 Lamp	480	M40048TAC4M500K	CWA	458	1.00
	1000 W	M47 or H36	120/480	M100048TAC5M500K	CWA	1060	8.80/2.30
			120/208/240/277/480	M1000ML5AC5M500K	CWA	1060	8.80/5.20/4.40/3.90/2.30
120/208/240/277			M1000MLTAC5M500K	CWA	1080	8.50/5.00/4.50/3.80	
1500 W	M48	480 (120V Aux)	M150048TAC5M500K	CWA	1610	3.50	
		120/208/240/277	M1500MLTAC5M500K	CWA	1610	14.00/8.00/7.00/6.00	
Pulse Start Metal Halide	150 W	S56	120/208/240/277	1230-177	CWA	188	1.64/0.93/0.82/0.71
	175 W	M137 or M152	277	P175277RCEM500K	Reactor	202	1.50/1.25
			480-120	P17548TAC3M500K	CWA	285	0.46
			120/208/240/277/480	P175ML5AC3M500K	CWA	285	1.80/1.10/0.90/0.78/0.45
			120/208/240/277	P175MLTAC3M500K	CWA	208	1.86/1.23/0.98/0.87
	200 W	M136	277	P200277RCEM500K	Reactor	218	1.80/1.35
			480	P20048TAC3M500K	CWA	232	0.54
			120/208/240/277/480	P200ML5AC3M500K	CWA	233	2.66/1.52/1.31/1.12/0.68
			120/208/240/277	P200MLTAC3M500K	CWA	240	2.60/1.50/1.25/1.10
			120/208/240/277	P200MLTAC4M500K	CWA	230	2.00/1.26/1.05/0.94
	250 W	M138 or M153	277	P250277RCEM500K	Reactor	278	2.00/1.82
			480-120	P25048TAC4M500K	CWA	285	0.65
			120/208/240/277/480	P250ML5AC4M500K	CWA	285	2.45/1.42/1.22/1.05/0.62
			120/208/240/277	P250MLTAC4M500K	CWA	285	2.38/1.40/1.15/1.00
	320 W	M132	277	P320277RCEM500K	Reactor	358	3.70/1.65
			120/277	P320277TAFXM	CWA	355	3.25/1.45
		M132 or M154	120/480	P32048TAC4M500K	CWA	405	1.06
			120/208/240/277/480	P320ML5AC4M500K	CWA	405	4.00/2.40/2.10/1.85/1.06
			120/208/240/277	P320MLTAC4M500K	CWA	365	4.10/2.50/2.00/1.85

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HID

Lamp Type	Lamp Watts	ANSI Code	Input Volts	Catalog Nbr	Circuit Type	Input Power (Watts)	Max. Input Current
Pulse Start Metal Halide	350 W	M131	277	P350277RCEM500K	Reactor	377	3.80/2.34
			480-120	P35048TAC4M500K	CWA	405	1.06
			120/208/240/277/480	P350ML5AC4M500K	CWA	405	4.22/2.49/2.16/1.87/1.09
			120/208/240/277	P350MLTAC4M500K	CWA	425	4.10/2.50/2.09/1.85
	400 W	M135 or M155	277	P400277RCEM500K	Reactor	420	3.40/2.50
			480-120	P40048TAC4M500K	CWA	458	1.06
			120/208/240/277/480	P400ML5AC4M500K	CWA	458	4.00/2.40/2.10/1.85/1.06
			120/208/240/277	P400MLTAC4M500K	CWA	458	4.10/2.50/2.00/1.85
	450 W	M144	120/480	P45048TAC4M500K	CWA	528	5.20/1.40
			120/208/240/277/480	P450ML5AC4M500K	CWA	510	4.44/2.56/2.38/1.92/1.22
			120/208/240/277	P450MLTAC4M500K	CWA	511	4.40/2.60/2.20/1.90
	750 W	M149	480 (120V Aux)	P75048TAC5M500K	CWA	810	1.90
120/208/240/277			P750MLTAC5M500K	CWA	810	7.10/4.00/3.50/3.10	
1000 W	M141	480 (120V Aux)	P100048TAC5M500K	CWA	1080	2.25	
		120/208/240/277	P1000MLTAC5M500K	CWA	1070	8.80/5.10/4.50/4.10	
Mercury Vapor	100 W	H38 or H44	480 (120V Aux)	H10048TAC3M500K	CWA	124	0.28
			120/208/240/277	H100MLTAC3M500K	CWA	125	1.15/0.66/0.57/0.50
	125 W	H42	120/208/240/277	H125MLTAC3M	CWA	160	1.50/0.83/0.72/0.62
	175 W	H39	480	H17548TAC3M500K	CWA	205	0.75
			120/208/240/277	H175MLTAC3M500K	CWA	202	1.80/1.10/0.90/0.78
	250 W	H37	480	H25048TAC3M500K	CWA	275	0.66
			120/208/240/277	H250MLTAC3M500K	CWA	275	2.60/1.50/1.30/1.13
	400 W	H33	120/208/240/277	H400MLTAC4M500K	CWA	440	3.80/2.30/1.92/1.65
	1000 W	H36	480 (120V Aux)	H100048TAC5M500K	CWA	1080	2.30
			120/208/240/277	H1000MLTAC5M500K	CWA	1080	9.20/5.30/4.60/4.00

Multi-5™ Uni-Pak™

Lamp Type	Lamp Watts	ANSI Code	Input Volts	Catalog Nbr	Circuit Type	Input Power (Watts)	Max. Input Current
High Pressure Sodium	250	S50	120/208/240/277/480	S250ML5AC4M555K	CWA	300	2.55/1.45/1.30/1.10/0.65
	500 W	S51	120/208/240/277/480	S400ML5AC4M555K	CWA	465	4.00/2.30/2.00/1.70/1.10
	1000 W	S52	120/208/240/277/480	S1000ML5AC5M555K	CWA	1048	9.10/5.40/4.60/4.10/2.45
Metal Halide	175 W	M57, H39, or M107	120/208/240/277/480	M175ML5AC3M555K	CWA	208/210	1.90/1.10/0.95/0.85/0.50
	250 W	M58 or H37	120/208/277/480	M250ML5AC3M555K	CWA	280	2.50/1.50/1.25/1.10/0.65
	400 W	M59 or H33	120/208/240/277/480	M400ML5AC4M555K	CWA	458	4.00/2.30/2.00/1.70/1.00
	1000 W	M47 or H36	120/208/240/277/480	M1000ML5AC5M555K	CWA	1060	8.80/5.20/4.40/3.90/2.30



Multi-5™ Uni-Pak™ is the only HID replacement kit that offers these great benefits:

- 1. Gives you five taps in one: 120, 208, 240, 277 and 480 volt.**
- 2. Packages the right ballast and lamp to ensure system compatibility — all in an easy-to-carry box.**
- 3. Prewired capacitor (plus ignitor if needed) saves installation time and reduces wiring errors**
- 4. Color-coded leads to reduce the risk of incorrect wiring.**
- 5. Simple installation instruction and troubleshooting tips included.**

Universal Sign

No. of Lamps	Total Lamp Footage (T12HO Style Lamps)		Catalog Nbr
	Minimum	Maximum	
1 - 2	4'	12'	USB-0412-12
1 - 4	8'	16'	USB-0816-14
1 - 4	10'	24'	USB-1024-14
2 - 4	16'	32'	USB-1632-24
4 - 6	20	36'	USB-2036-46
4 - 6	20	48'	USB-2048-46

Max-3 Series Universal Sign

No. of Lamps	Total Lamp Footage (T12HO Style Lamps)		Catalog Nbr
	Minimum	Maximum	
1 - 6	2'	18'	USB-2018-16
1 - 6	12'	32'	USB-1232-16
1 - 6	10'	48'	USB-1048-16

Electronic Sign

No. of Lamps	Total Lamp Footage (T12HO & T8HO Style Lamps)		Catalog Nbr
	Minimum	Maximum	
2	6'	16'	ESB296IUNV
2 - 4	12'	32'	ESB496IUNV
4 - 6	12'	32'	*ESB696IUNV

*Will be available in 2005.



MAX-3 Sign Ballasts for Maximum Flexibility

- 3 Ballasts cover all sign ballast applications
- 1 to 6-Lamp operation with each ballast
- From 2' to 48' Lamp applications



Electronic Sign Ballasts

- Instant start wiring minimizes connection requirements
- Universal input voltage
- Significant energy savings compared to standard sign ballasts

Dimming



	LAMP TYPE	QTY	Analog Dimming	Analog Dimming	Light Level Switching	Digital Dimming Ballasts & Controls	DALI Digital Dimming Ballasts
T8	F17T8	1	ES5818K / ES5833B			ES5829K / ES5831B	
		2	ES5817K / ES5834B			ES5830K / ES5832B	
	F25T8	1	ES5821B / ES5835K			ES58327B / ES5825K	
		2	ES5822B / ES5836K			ES5828B / ES5826K	
	F32T8	1	ES5821B / ES5835K	B132R120V5 B132R277V5	B132SR120S30 & S50 B132SR277S30 & S50	ES5827B / ES5825K	B132PUNVDV1
		2	ES5822B / ES5836K	B232SR120V5 B232SR277V5	B232SR120S30 & S50 B232SR277S30 & S50	ES5828B / ES5826K	B232PUNVDV1
		3		B332SR120V5 B332SR277V5	B332SR120S30 & S50 B332SR277S30 & S50		
4			B432P277V5-E				
T5 & T5HO	F14T5	1	ES5849K			ES5848K	B114PUNVDV1
		2	ES5851K			ES5850K	B214PUNVDV1
	F21T5	1	ES5839K			ES5838K	
		2	ES5861K			ES5860K	
	F28T5	1	ES5846K			ES5842K	B128PUNVDV1
		2	ES5847K			ES5843K	B228PUNVDV1
	F35T5	1	ES5853K			ES5852K	
		2					
	F54T5HO	1	ES5844K			ES5840K	B154PUNVDV1
		2					B254PUNVDV1
CFL	CFQ/TR13W	1	ES5011GT / ES5011HT			ES5001GT / ES5001HT	
		2	ES5011GT / ES5011HT			ES5001GT / ES5001HT	
	CFQ/TR18W	1	ES5012GT / ES5012HT			ES5002GT / ES5002HT	C118PUNVDV3
		2	ES5012GT / ES5012HT			ES5002GT / ES5002HT	C218PUNVDV3
	CFQ/TR26W	1	ES5013GT / ES5013HT			ES5003GT / ES5003HT	C126PUNVDV3
		2	ES5013GT / ES5013HT			ES5003GT / ES5003HT	C226PUNVDV3
	CFTR32W	1	ES5010GT / ES5010HT			ES5000GT / ES5000HT	C132PUNVDV3
		2					C232PUNVDV3
	CFM42W	1	ES5010GT / ES5010HT			ES5000GT / ES5000HT	C142PUNVDV3
		2					C242PUNVDV3
TT5	FT40W/2G11	1	ES5006BM			ES5008BM	C140PUNVDV3
		2	ES5007BMT			ES5009BMT	C240PUNVDV3

- SuperDim Analog dimming ballasts operate with numerous industry standard compatible 0 to 10-volt controls. SuperDim ballasts feature universal input voltage and a dimming range down to 1% for T5 lamps and 3% for T8 and CF lamps.

- Ballastar Analog dimming ballasts operate with numerous industry standard compatible 0 to 10-volt controls. Ballastar dimming ballasts feature dimming range down to 5%.

- Ballastar light level switching ballasts operate with standard wall switches or relays to provide switching between 100% and 50% light levels or 100%/ 60%/ 30% light levels while keeping all lamps operating for full fixture illumination.

- AddressPro digital dimming ballasts are designed for use with Universal AddressPro dimming controls. With AddressPro digital dimming technology, all fixtures are connected to the same control for simple wiring and the initial programming of lighting zones and scenes is accomplished with a handheld remote control. AddressPro ballasts feature universal input voltage and a dimming range down to 1% for T5 lamps and 3% for T8 and CF lamps.

- DALI-Pro digital dimming ballasts are designed for use with industry standard DALI controls. DALI-Pro ballasts feature universal input voltage and dimming range down to 1% for linear lamps and 3% for CF lamps.

- Please request for more information on all of the dimming ballasts and controls.

Glossary

AccuStart T5	- Programmed rapid start (PRS) electronic ballast, <10% THD, T5 lamps
AccuStart T8	- Programmed rapid start electronic ballast, <10% THD, T8 lamps
CF Electronic	- Compact fluorescent electronic ballast, THD<10, E.O.L.L. Auto-reset shutdown Circuit
CF Magnetic	- Compact fluorescent magnetic ballast
ES Magnetic	- Energy saving magnetic fluorescent ballast
HP Electronic	- High Performance Linear electronic ballast, <10% THD
High Light	- Linear electronic ballast, high light output, <20% THD
Low Power	- Linear electronic ballast, reduced light output, <20% THD
Low PF Magnetic	- Magnetic fluorescent ballast, low power factor
Magnetic (0° F)	- Magnetic fluorescent ballast, 0° F minimum starting temperature
Std Electronic	- Standard Linear electronic ballast, < 20% THD
Std Magnetic	- Standard Magnetic fluorescent ballast
ULTim8 T8	- High efficiency electronic ballast, T8 lamp applications
ULTim5 T5	- High efficiency electronic ballast, T5 lamp applications
Weatherproof Magnetic	- Magnetic fluorescent ballast, weatherproof



To learn more about B-I-A please visit us at our
WEB site: www.BiaGmbH.com

