



T8 Type A Multi-Function LED Plug & Play for Electronic IS, RS,
PS & Emergency Back-up Ballast

NC	Incompatible	P	PF <0.9
N	Acoustic noise >20dB	T	THD >25%
S	Can't start-up	C	Compatible
F	Flicker after >2s start-up	/	Not tested
HT	High temperature	NA	Not applicable

Model: LT815840AG5, LT818850AG5 Order Codes: 10425, 10426

Ballast Brand	Part Number	Start Method	# of Lamps	BF		Lamp Connection	N-1 Lamp		N Lamp	
				Type	Value		DR G5		DR G5	
							120Vac	277Vac	120Vac	277Vac
ACT	ACT 2P32ISUNVE	IS	2	N	0.89	Parallel	C	C	C	C
ANTRON ELECTRONICS	A32T8MICLO	IS	2	L	0.78	Parallel	C	C	C	C
ARCATA	ACT 3P32ISUNVLE	IS	3	L	0.78	Parallel	C	C	C	C
DAMAR	EL232-120/277HF (1688B)	IS	2	N	?	Parallel	C	C	C	C
DAMAR	EL232HL-120/277HF (1688D)	IS	2	H	?	Parallel	C	C	C	C
DAMAR	EL332-120/277HF (3654C)	IS	3	N	?	Parallel	C	C	C	C
DAMAR	EL332HL-120/277HF (3654H)	IS	3	H	?	Parallel	C	C	C	C
DAMAR	EL432-120/277HF (3093B)	IS	4	N	?	Parallel	C	C	C	C
DAMAR	EL432HL-120/277HF (3093C)	IS	4	H	?	Parallel	C	C	C	C
DAMAR	EL232DIM/120/277HF	DPS	2	?	?	Series	S	S	S	S
EIKO	PM-2X32T8-UNV-IS-L	IS	2	L	0.77	Parallel	C	C	C	C
EIKO	PM-3X32T8-UNV-IS	IS	3	N	0.87	Parallel	C	C	C	C
EIKO	PM-3X32T8-UNV-IS-H	IS	3	H	1.18	Parallel	C	C	C	C
EIKO	PM-3X32T8-UNV-IS-L	IS	3	L	0.78	Parallel	C	C	C	C
EIKO	PM-4X32T8-UNV-IS	IS	4	N	0.88	Parallel	C	C	C	C
EIKO	PM-4X32T8-UNV-IS-L	IS	4	L	0.78	Parallel	C	C	C	C
EIKO	PM-2X32T8-UNV-IS	IS	2	N	0.87	Parallel	C	C	C	C
EIKO	PM-2X32T8-UNV-IS-H	IS	2	H	1.18	Parallel	C	C	C	C
EIKO	PM-3X32T8-UNV-PS	PS	3	N	0.88	Series	S	S	S	S
EIKO	PM-3X32T8-UNV-PS-H	PS	3	H	1.18	Series	S	S	S	S
EIKO	PM-2X32T8-UNV-PS	PS	2	N	0.88	Parallel	S	S	S	S
ESPEN	VE232MVHIPE	IS	2	N	0.89	Parallel	C	C	C	C
ESPEN	VE232MVHIPHE	IS	2	H	1.19	Parallel	C	C	C	C
ESPEN	VE232MVHIPL	IS	2	L	0.77	Parallel	C	C	C	C



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				Type	Value		DR G5		DR G5	
							120Vac	277Vac	120Vac	277Vac
ESPEN	VE232MVHRPHT3-AB	DPS	2	H	1.20	Series	S	S	S	S
General Electric	GE-232-MV-N	IS	2	N	0.88	Parallel	C	C	C	C
General Electric	GE232MAX-N/ULTRA	IS	2	N	0.88	Parallel	C	C	C	C
General Electric	GE432MAX-L/ULTRA	IS	4	L	0.78	Parallel	C	C	C	C
General Electric	GE-232-MAX-H/ULtra	IS	2	H	1.15	Parallel	C	T	C	C
General Electric	GE432MAX-G-N	IS	4	N	0.88	Parallel	C	C	C	C
General Electric	GE132MAX-G-N	IS	1	H	0.88	n. a	NA	NA	NC	NC
General Electric	GE132MAX-H/ULTRA	IS	1	H	1.18	n. a	NA	NA	C	C
General Electric	GE132MAX-L/ULTRA	IS	1	H	0.78	n. a	NA	NA	NC	NC
General Electric	GE132MAXP-N/ULTRA	IS	1	N	0.88	n. a	NA	NA	C	C
General Electric	GE232MV-N-DIY	IS	2	N	0.88	Parallel	C	C	C	C
General Electric	GE232MAX-L/ULTRA	IS	2	L	0.78	Parallel	C	C	C	C
General Electric	GE232MAX347-N	IS	2	N	1.02	Parallel	NA	T (347V)	NA	C, (347V)
General Electric	GE332MV-N	IS	3	H	0.87	Parallel	C	C	C	C
General Electric	GE332MAX-N/ULTRA	IS	3	H	0.88	Parallel	C	C	C	C
General Electric	GE332MAX-L/ULTRA	IS	3	H	0.78	Parallel	C	C	C	C
General Electric	GE332MAX-G-N	IS	3	H	0.87	Parallel	C	C	C	C
General Electric	GE332MAXP-H/ULTRA	IS	3	H	1.18	Parallel	C	C	C	C
General Electric	GE432-120-RES	IS	4	N	0.83	Parallel	C	NA	C	NA
General Electric	GE432MV-N-42T	IS	4	H	0.93	Parallel	C	C	C	C
General Electric	GE432MAX-N/ULTRA	IS	4	H	0.88	Parallel	C	C	C	C
General Electric	GE432MAX347-N	IS	4	N	0.94	Parallel	NA	C, (347V)	NA	C, (347V)
General Electric	GE232MAXP90-V60	IS	2	H	1.18	Parallel	C	P, T	C	C
General Electric	GE332MAXP90-V60	IS	3	H	1.18	Parallel	C	P	C	C
General Electric	GE432MAXP90-S60	IS	4	H	1.18	Parallel	C	C	C	C



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				Type	Value		DR G5		DR G5	
							120Vac	277Vac	120Vac	277Vac
General Electric	GE432MAX-H/ULTRA	IS	4	H	1.18	Parallel	C	C	C	C
General Electric	GE432MAX90-S60	IS	4	H	1.18	Parallel	C	C	C	C
General Electric	GE232MAX-G-L	IS	2			Parallel	C	C	C	C
General Electric	GE332MAXP-L/ULTRA	IS	3	?	?	Parallel	C	C	C	C
General Electric	GE432MAX347-H	IS	2	?	?	Parallel	NA	C, (347V)	NA	C, (347V)
General Electric	GE232-MVPS-N	PS	2	N	0.88	Parallel	NC	NC	NC	NC
General Electric	GE-332-MVPS-N	PS	3	N	0.88	Parallel	C	C	C	C
General Electric	GE432-MVPS-N	PS	4	N	0.88	Parallel	NC	NC	NC	NC
General Electric	GE432MVPS-N-V03	PS	4	N	0.90	Parallel	NC	NC	NC	NC
General Electric	GE-232-MV-PS-N	PS	2	N	0.88	Parallel	C	C	C	C
General Electric	GE232MVPS-L-S30	DPS	2	N	0.96	Parallel	NC	NC	NC	NC
General Electric	GE132MVPSN-V03	DPS	1	N	0.88	n. a	NA	NA	NC	NC
General Electric	GE332MVPSN-V03	DPS	3	N	0.98	Parallel	NC	NC	NC	NC
Halco	EP232IS/MV/HE	IS	2	N	0.88	Parallel	C	C	C	C
Halco	EP332IS/MV/HE	IS	3	H	0.87	Parallel	C	C	C	C
Halco	EP432IS/MV/HE	IS	4	H	0.88	Parallel	C	C	C	C
Halco	EP432IS/L/MV/HE	IS	4	H	0.78	Parallel	C	C	C	C
Halco	EP232IS/L/MV/HE	IS	2	L	0.78	Parallel	C	C	C	C
Halco	EP232IS/H/MV/HE	IS	2	H	1.18	Parallel	C	C	C	C
Halco	EP332IS/L/MV/HE	IS	3	L	0.78	Parallel	C	C	C	C
HATCH	HL232BIS/UV/HE/W	IS	2	N	0.9	Parallel	C	C	C	C
HATCH	HL432BIS/UV/HE/W	IS	4	N	0.9	Parallel	C	C	C	C
HOWARD INDUSTRIES	EPH4/32IS/MV/SC/HE	IS	4	H	1.16	Parallel	NC	NC	NC	NC
HOWARD INDUSTRIES	EP3/32IS/MV/SC/HE	IS	3	N	0.87	Parallel	C	C	C	C



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				Type	Value		DR G5		DR G5	
							120Vac	277Vac	120Vac	277Vac
HOWARD INDUSTRIES	EPL4/32IS/MV/MC/HE	IS	4	L	0.77	Parallel	C	C	C	C
HOWARD INDUSTRIES	EPH2/32IS/MV/MC/HE	IS	2	H	1.18	Parallel	C	C	C	C
HOWARD INDUSTRIES	E2/32IS-120MC	IS	2	N	0.85	Parallel	P, T	NA	C	NA
HOWARD INDUSTRIES	EPL2/32IS/MV/MC/HE	IS	2	L	0.78	Parallel	C	P, T	C	C
HOWARD INDUSTRIES	EPL3/32IS/MV/SC/HE	IS	3	L	0.78	Parallel	C	C	C	C
HOWARD INDUSTRIES	EP4/32IS/MV/MC/HE	IS	4	N	0.88	Parallel	C	C	C	C
HOWARD INDUSTRIES	EP2/32IS/MV/MC/HE	IS	2	N	0.89	Parallel	C	C	C	C
HOWARD INDUSTRIES	EP3 / 32IS / MV / MC / HE	IS	3	N	0.88	Parallel	C	C	C	C
HOWARD INDUSTRIES	EPH3/32IS/MV/MC/HE	IS	3	N	0.91	Parallel	C	C	C	C
HOWARD INDUSTRIES	EP2/32PRS/MV/MC/HE	PRS	2	N	0.86	Parallel	S	S	S	S
HOWARD INDUSTRIES	EP4/32PPRS/MV/SC/HE	PRS	4	N	?	Parallel	C	C	C	C
KEYSTONE	KTEB-232-UV-IS-N-P	IS	2	H	0.87	Parallel	C	C	C	C
KEYSTONE	KTEB-432RIS-1-TP-SL	IS	4	N	0.80	Parallel	C	NA	C	NA
KEYSTONE	KTEB-332-UV-IS-N-P	IS	3	N	0.87	Parallel	C	C	C	C
KEYSTONE	KTEB-432-UV-IS-N-P	IS	4	N	0.87	Parallel	C	C	C	C
KEYSTONE	KTEB-232LBF-1-TP-PIC-EV	IS	2	N	0.88	Parallel	C	NA	C	NA
KEYSTONE	KTEB-232-UV-IS-H-P	IS	2	H	1.18	Parallel	C	C	C	C
KEYSTONE	KTEB-332-UV-IS-H-P	IS	3	H	1.18	Parallel	C	C	C	C
KEYSTONE	KTEB-432-UV-IS-H-P	IS	4	H	1.18	Parallel	C	C	C	C
KEYSTONE	KTEB-132-1-TP-FC	RS	1	N		NA	NA	NA	C	NA
LIGHTING PRODUCTS LIMITED	EB-332EBF-UV-TP-HE	IS	3	L	0.78	Parallel	C	C	C	C
MAXLITE	SKEU322HEL/SC	IS	2	H	0.77	Parallel	C	C	C	C
MAXLITE	SKEU324HE/SC	IS	4	H	0.88	Parallel	C	C	C	C
MAXLITE	SKEU323L/SC	IS	3	H	0.78	Parallel	C	C	C	C



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				Type	Value		DR G5		DR G5	
							120Vac	277Vac	120Vac	277Vac
MAXLITE	MLEU322HEL/SC	IS	2	L	0.83	Parallel	N, F	N, F	N, F	N, F
MAXLITE	MLEU323H/SC	IS	3	H	1.18	Parallel	C	C	C	C
MAXLITE	MLEU324HE/SC	IS	4	N	0.88	Parallel	C	C	C	C
OSRAM	QHE 2x32T8/347 PSN-SC	PRS	2	?	?	Parallel	NC	NC	NC	NC
OSRAM SYLVANIA	QTP 2X32T8/UNV ISN-SC	IS	2	N	0.88	Parallel	C	C	C	C
OSRAM SYLVANIA	QHE 2X32T8/UNV ISN-SC	IS	2	N	0.88	Parallel	C	C	C	C
OSRAM SYLVANIA	QHE 2X32T8/UNV ISL-SC	IS	2	L	0.78	Parallel	C	C	C	C
OSRAM SYLVANIA	QHE 3X32T8/UNV ISH-SC	IS	3	H	1.18	Parallel	N	P	N	P
OSRAM SYLVANIA	QHE 4X32T8/UNV ISN-SC	IS	4	N	0.88	Parallel	C	C	C	C
OSRAM SYLVANIA	QHE 4X32T8/UNV ISL-SC	IS	4	L	0.78	Parallel	C	C	C	C
OSRAM SYLVANIA	QTP 4x32T8/UNV ISN-SC	IS	4	N	0.88	Parallel	C	T	C	C
OSRAM SYLVANIA	QHE 1X32T8/UNV ISN-SC	IS	1	N	0.88	n. a	NA	NA	C	C
OSRAM SYLVANIA	QHE 1X32T8/UNV ISL-SC	IS	1	L	0.78	n. a	NA	NA	C	C
OSRAM SYLVANIA	QHE 2X32T8/UNV ISH-SC	IS	2	H	1.20	Parallel	F, P, T, N	F, P, T	P, N	F, P, T, N
OSRAM SYLVANIA	QTP 3X32T8/UNV ISN-SC	IS	3	H	0.88	Parallel	C	C	C	C
OSRAM SYLVANIA	QHE 3X32T8/UNV ISN-SC	IS	4	N	0.88	Parallel	C	C	C	C
OSRAM SYLVANIA	QHE 3X32T8/UNV ISL-SC	IS	3	L	0.78	Parallel	C	C	C	C
OSRAM SYLVANIA	QTP2x32T8/277 ISN-D	IS	2	N	0.78	Parallel	NA	C	NA	C
OSRAM SYLVANIA	QT2X32/120 IS-SC	IS	2	/	/	Parallel	P, T	NA	C	NA
OSRAM SYLVANIA	QHE 3x32T8/UNV ISH HT-SC	IS	3	H	1.18	Parallel	C	C	C	C
OSRAM SYLVANIA	QHE 4x32T8/UNV ISH HT-1	IS	4	H	1.18	Parallel	C	C	C	C
OSRAM SYLVANIA	QTP 2X32T8/UNV ISL-SC	IS	2	L	0.78	Parallel	C	C	C	C
OSRAM SYLVANIA	QHE 2X32T8/UNV ISH HT-SC	IS	2	H		Parallel	C	C	C	C
OSRAM SYLVANIA	QHE 4x32T8/UNV ISH-SC	IS	4	H		Parallel	C	C	C	C



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				Type	Value		DR G5		DR G5	
							120Vac	277Vac	120Vac	277Vac
OSRAM SYLVANIA	QT 2x32/347 ISH-SC	IS	2			Parallel	C	NA	C	NA
OSRAM SYLVANIA	QHE 1X32T8/UNV ISH-SC	IS	1			NA	NA	NA	C	P, T
OSRAM SYLVANIA	QHE 4X32T8/UNV PSX-SC	PRS	4	L	0.71	Parallel	S	S	S	S
OSRAM SYLVANIA	QHE 2X32T8/UNV PSH-HT	PRS	2	H	1.18	Parallel	C	C	C	C
OSRAM SYLVANIA	QHE 2X32T8/UNV PSN-MC	PRS	2	N	0.88	Parallel	C	C	C	C
OSRAM SYLVANIA	QHE 3X32T8/UNV PSN-SC	PRS	3	N	0.88	Parallel	C	C	C	C
OSRAM SYLVANIA	QTP 3X32T8/UNV PSX-SC	PRS	3	L	0.71	Series	S	S	S	S
OSRAM SYLVANIA	QTP3X32T8/UNV PSN-SC	PRS	3	N	0.88	Series	S	S	S	S
OSRAM SYLVANIA	QHE 4X32T8/UNV PSN-SC	PRS	4	N	0.88	Parallel	C	C	C	C
OSRAM SYLVANIA	QHE 2X32T8/UNV DIM-TC	PRS	2	N	0.88	Series	NC	NC	NC	NC
OSRAM SYLVANIA	QTP2x32T8/UNV DIM-TC	DPS	2	N	0.88	?	S	S	S	S
OSRAM SYLVANIA	QHE 1X32T8/UNV DIM-TC	DPS	1	?	?	na	NA	NA	S	S
OSRAM SYLVANIA	QHE 3X32T8/UNV PSH-HT-SC	DPS	3	?	?	Parallel	C	C	C	C
OSRAM SYLVANIA	QHEs 2x32T8/UNV PSL-SC	PRS	2	?	?	Parallel	NC	NC	NC	NC
Pacific Fluorescent	EB-232IS-120-RES	IS	2			Parallel	C	NA	C	NA
Philips-Advance	ICN-2P32-N	IS	2	N	0.89	Parallel	C	C	C	C
Philips-Advance	IOP-2P32-N	IS	2	N	0.89	Parallel	C	C	C	C
Philips-Advance	IOP-2P32-LW-N	IS	2	L	0.77	Parallel	C	C	C	C
Philips-Advance	IOPA-3P32-LW-N	IS	3	L	0.76	Parallel	N	N	N	N
Philips-Advance	IOPA-4P32-N	IS	4	N	0.87	Parallel	C	C	C	C
Philips-Advance	IOPA-4P32-HL-SC	IS	4	H	1.18	Parallel	C	C	C	C
Philips-Advance	IOP-4P32-N	IS	4	N	0.87	Parallel	C	C	C	C
Philips-Advance	IOP-4P32-LW-N	IS	4	L	0.77	Parallel	C	C	C	C
Philips-Advance	ICN-4P32-N	IS	4	N	0.90	Parallel	C	C	C	C



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				Type	Value		DR G5		DR G5	
							120Vac	277Vac	120Vac	277Vac
Philips-Advance	ICN-1P32-N	IS	1	H	0.91	n. a	NA	NA	NC	NC
Philips-Advance	REB-2P32-SC	IS	2	N	0.88	Parallel	F	NA	C	NA
Philips-Advance	IOPA-3P32-N	IS	3	H	0.86	Parallel	C	C	C	C
Philips-Advance	IOP-3P32-N	IS	3	H	0.87	Parallel	C	C	C	C
Philips-Advance	REB-4P32-SC	IS	4	N	0.81	Parallel	C	NA	C	NA
Philips-Advance	IOP-4P32-HL-SC	IS	4	H	1.18	Parallel	NC	NC	NC	NC
Philips-Advance	ICN-3P32-N	IS	3	N	0.88	Parallel	C	C	C	C
Philips-Advance	VEL-2P32-SC	IS	2	N	0.88	Parallel	C	C	C	C
Philips-Advance	IOPA-2P32-HL-N	IS	2	H	1.18	Parallel	C	C	C	C
Philips-Advance	VEL-2P32-RH-TP	IS	2			Parallel	NA	P, T	NA	C
Philips-Advance	IOP-3P32HL-90C-SC	IS	3			Parallel	NC	NC	NC	NC
Philips-Advance	IOP-4P32-SC	IS	4			Parallel	C	C	S	S
Philips-Advance	IOPA-4P32-SC	IS	4			Parallel	C	C	C	C
Philips-Advance	ICN-132-MC	IS	1	?	?	NA	NA	NA	C	C
Philips-Advance	ICN-2P16-TLED-N	IS	2			Parallel	C	C	C	C
Philips-Advance	ICN-4P16-TLED-N	IS	4			Parallel	C	C	C	C
Philips-Advance	IOP-2PSP32-N	PS	2	N	0.94	Parallel	N	N	C	C
Philips-Advance	IOP-3PSP32-SC	PS	3	N	0.88	Parallel	C	C	C	C
Philips-Advance	IOP-3PSP32-LW-SC	PS	3	L	0.69	Parallel	C	C	C	C
Philips-Advance	IOP-4PSP32-LW-SC	PS	4	L	0.69	Parallel	C	C	C	C
Philips-Advance	IOP-2S32-SC	PS	2	N	0.87	Series	S	S	S	S
Philips-Advance	IZT-2S32-SC	DPS	2	N	1.00	Series	NC	NC	NC	NC
Philips-Advance	IOP-2PSP32-LW-N	PS	2	L	0.71	Parallel	C	C	C	C
Philips-Advance	IZT-2PSP32-SC	DPS	2	N	1.00	Parallel	NC	NC	NC	NC



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				Type	Value		DR G5		DR G5	
							120Vac	277Vac	120Vac	277Vac
Philips-Advance	REZ-3S32-SC	DPS	3	N	0.97	Series	NC	NA	NC	NA
Philips-Advance	REZ-2S32-SC	DPS	2	N	?	Series	NC	NA	NC	NA
Philips-Advance	IZT-3PSP32-SC	DPS	3	H	1	Parallel	S	S	S	S
Philips-Advance	REZ-132-SC	DPS	1	?	?	n. a	NA	NA	NC	NA
PLUSRITE	BAF232IS/MV	IS	2	N	0.89	Parallel	C	C	C	C
PLUSRITE	BAF332IS/MV	IS	3	?	?	?	C	C	C	C
Plusrite	BAF232IS/MV/L	IS	2	L	0.78	Parallel	C	C	C	C
Plusrite	BAF332IS/MV/L	IS	3	L	0.78	Parallel	C	C	C	C
Plusrite	BAF432IS/MV	IS	4	N	0.88	Parallel	C	C	C	C
Plusrite	BAF432IS/MV/L	IS	4	L	0.78	Parallel	C	C	C	C
ProLume	EP232IS/L/MV/SL	IS	2	L	0.78	Parallel	C	C	C	C
ProLume	E432IS/120/R/SL	IS	4	N	0.87	Parallel	C	NA	C	NA
SOLA	E-758-U-232-MC	IS	2	N	0.88	Parallel	C	C	C	F
SUNPARK	120-1/32IS HPF	IS	1	N	0.88	NA	NA	NA	C	NA
SUNPARK	U-2/32IS HBF	IS	2	H	1.18	Parallel	C	C	C	C
SUNPARK	U-2/32ISE-LBF	IS	2	L	0.78	Parallel	C	C	C	C
SUNPARK	U-3/32ISE	IS	3	N	0.88	Parallel	C	C	C	C
SUNPARK	U-3/32ISE-HBF	IS	3	H	1.18	Parallel	C	C	C	C
SUNPARK	120-3/32IS MPF	IS	3	H	0.88	Parallel	C	NA	C	NA
SUNPARK	U-4/32IS HP, F	IS	4	N	0.88	Parallel	C	C	C	C
SUNPARK	U-4/32IS HBF	IS	4	H	1.18	Parallel	C	C	C	C
SUNPARK	U-4/32ISE-LBF	IS	4	L	0.88	Parallel	C	C	C	C
SUNPARK	U-1/32PSE	PS	1	N	0.88	n. a	NA	NA	S	S
SUNPARK	U-2/32PSE	RS	2	N	0.88	?	S	S	S	S



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N	Acoustic noise >20dB	T	THD >25%
S	Can't start-up	C	Compatible
F	Flicker after >2s start-up	/	Not tested
HT	High temperature	NA	Not applicable

Model: LT815840AG5, LT818850AG5 Order Codes: 10425, 10426

Ballast Brand	Part Number	Start Method	# of Lamps	BF		Lamp Connection	N-1 Lamp		N Lamp	
				Type	Value		DR G5		DR G5	
							120Vac	277Vac	120Vac	277Vac
SUNPARK	U-2/32PSE-HBF	RS	2	H	1.15	?	S	S	S	S
SUNPARK	U-232PS3	RS	2	N	0.88	?	S	S	S	S
SUNPARK	U-232PS3-HBF	RS	2	H	1.15	?	S	S	S	S
SUNPARK	SL15T	PS	2	N	0.88	Series	P, T	NA	P, T	NA
SUNPARK	LC 12011T	PS	1	?	?	NA	NA	NA	C	NA
SUNPARK	LC 12013T	PS	1	?	?	NA	NA	NA	NC	NA
Superior Life	70201	IS	2	N	0.88	Parallel	C	F	C	C
Superior Life	70210	PS	2	N	0.88	Parallel	NC	NC	NC	NC
Superior Life	70211	PS	4	N	0.87	Parallel	NC	NC	NC	NC
TCP	E2P32ISUNVHE	IS	2	H	1.18	Parallel	C	F	C	C
TCP	E4P32ISUNVLE	IS	4	L	0.78	Parallel	C	F	C	C
TCP	E3P32ISUNVE	IS	3	N	0.88	Parallel	C	C	C	C
TCP	E3P32ISUNVLE	IS	3	L	0.78	Parallel	C	C	C	C
TCP	E4P32ISUNVE	IS	4	N	0.88	Parallel	C	C	C	C
TCP	TCP3P32ISUNVH	IS	3			Parallel	C	C	C	C
TOPAZ	B232IUNVHEH/A-TPZ	IS	2	H	1.18	Parallel	C	C	C	C
TOPAZ	B432IUNVHEH/A-TPZ	IS	4	H	1.18	Parallel	C	C	C	C
Universal Lighting Technologies	B232IUNVHP-N	IS	2	N	0.88	Parallel	C	C	C	C
Universal Lighting Technologies	B232IUNVEL-A	IS	2	L	0.77	Parallel	C	C	C	C
Universal Lighting Technologies	B232I120RH-A	IS				Parallel	C	C	C	C
Universal Lighting Technologies	B233IUNVHE-A	IS	2	N	0.87	Parallel	C	C	C	C
Universal Lighting Technologies	B432IUNVHE L-A	IS	4	L	0.77	Parallel	C	C	C	C
Universal Lighting Technologies	B332IUNVHP-A	IS	3	H	0.88	Parallel	C	C	C	C
Universal Lighting Technologies	B432IUNVHP-A	IS	4	H	0.88	Parallel	C	C	C	C



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Ballast Brand	Part Number	Start Method	# of Lamps	BF		Lamp Connection	N-1 Lamp		N Lamp	
				Type	Value		DR G5		DR G5	
							120Vac	277Vac	120Vac	277Vac
Universal Lighting Technologies	B232I120RES-A	IS	2	N	0.88	Parallel	C	NA	C	NA
Universal Lighting Technologies	B132IUNVHP-N	IS	1	N	0.88	n. a	NA	NA	C	C
Universal Lighting Technologies	B232IUNVHP-B	IS	2	N	0.88	Parallel	C	C	C	C
Universal Lighting Technologies	B232IUNV-C	IS	2	N	0.88	Parallel	C	C	C	C
Universal Lighting Technologies	B432IUNVHE-A	IS	4			Parallel	C	C	C	C
Universal Lighting Technologies	B432IUNVHEH-E	IS	4			Parallel	C	C	C	C
Universal Lighting Technologies	B232I277RH-A	IS	4	?	?	Parallel	NA	T	NA	C
Universal Lighting Technologies	B232PUNVHE-B	PS	2	N	0.88	Parallel	C	C	C	C
Universal Lighting Technologies	B332PUNVHEH-A	PS	3	H	1.18	Parallel	C	C	C	C
Universal Lighting Technologies	B232PU104S50A	PRS	2	H	1.04	Parallel	S	S	S	S
Universal Lighting Technologies	B232PUNVHP-A	PS	2	?	?	Parallel	S	S	S	S
Watran	DB-232N-MV-TP-HE	IS	2	N	0.87	Parallel	C	C	C	C
Watran	DB-332N-MV-TP-HE	IS	3	N	0.87	Parallel	C	C	C	C
Watran	DB-432N-MV-TP-HE	IS	4	N	0.87	Parallel	C	C	C	C
Watran	DB-432L-MV-TP-HE	IS	4	L	0.77	Parallel	C	C	C	C
Watran	DB-232N-MV-TP-HE (SC)	IS	2	N	0.87	Parallel	C	C	C	C
Watran	DBG32N-MV-TP-PS-HL	PS	3	?	?	?	S	S	S	S
WORK HORSE	WHS3-UNV-T8-IS	IS	3	N	0.99	Parallel	C	C	C	C
WORK HORSE	WHS4-UNV-T8-IS	IS	4	N	0.96	Parallel	C	C	C	C

Ballast Brand	Part Number	Start Method	# of Lamps	N-Lamp
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Ballast Brand	Part Number	Start Method	# of Lamps	BF		Lamp Connection	N-1 Lamp		N Lamp	
				Type	Value		DR G5		DR G5	
							120Vac	277Vac	120Vac	277Vac
EXITRONIX	XEB-7-B-LM	AC	1			C				
POWER SENTRY	PSQ500QD MVOLT	DC	1			C				
KEYSTONE	KT-EMRG-800-T5	AC	1			C				
KEYSTONE	KT-EMRG-1400	DC	1			C				
ESPEN	VEM500DV (L)	AC	1			C				
ESPEN	VEM700DV (L)	AC	1			C				
TAMLITE	BAL1400LPACTD	AC	1			C				
TAMLITE	PAC0457	AC	1			C				

SOP of electronic ballast compatibility test

1 Test condition

- a. Vin: typical input volatge, and +/-10%, 60Hz
- b. Load: TLED lamp
- c. Test instrument
Power analyzer: WT1800 (Yokogawa)



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				Type	Value		DR G5		DR G5	
							120Vac	277Vac	120Vac	277Vac
Oscilloscope: Waverunner 604Zi (Lecroy) AC source: 60501 (Croma)										
2 Un-compatible phenomena (voltage range: 114~290Vac/60Hz for universal application) F flicker after >2s start-up, N Acoustic noise >20dB S Can't start-up										
3 Test with N-lamp, and N-1 lamp if N>=2										