

Item#: **90728 • 90729 • 90739**  
**LED 3' PLUG & GO™ - TYPE A - DIRECT REPLACEMENT**



BALLAST COMPATIBILITY

BRAND	MODEL	Start Method	# of Lamps	Ballast Factor		Lamp Connection	N-1 Lamp		N Lamp	
				Type	Value		120V	277V	120V	277V
ACT	ACT 2P32ISUNVE	IS	2	N	0.89	Parallel	✓	P	✓	✓
ANTRON	A32T8MICLO	IS	2	L	0.78	Parallel	✓	✓	✓	✓
ARCATA	ACT 3P32ISUNVLE	IS	3	L	0.78	Parallel	✓	✓	✓	✓
DAMAR	EL232-120/277HF(1688B)	IS	2	N		Parallel	✓	P, F	✓	F
	EL232DIM/120/277HF	DPS	2	L		Series	X	X	X	X
	EL232HL-120/277HF(1688D)	IS	2	H		Parallel	✓	✓	✓	✓
	EL332-120/277HF(3654C)	IS	3	N		Parallel	✓	✓	✓	✓
	EL432HL-120/277HF(3093C)	IS	4	H		Parallel	✓	✓	✓	✓
EIKO	PM-2x32T8-UNV-IS-H	IS	2	H	1.18	Parallel	✓	✓	✓	✓
	PM-2x32T8-UNV-PS	PS	2	N	0.88	Parallel	S	S	S	S
	PM-2X32T8-UNV-IS	IS	2	N	0.87	Parallel	✓	✓	✓	✓
	PM-2X32T8-UNV-IS-L	IS	2	L	0.77	Parallel	✓	✓	✓	✓
	PM-3X32T8-UNV-IS	IS	3	N	0.87	Parallel	✓	✓	✓	✓
	PM-3X32T8-UNV-IS-H	IS	3	H	1.18	Parallel	✓	✓	✓	✓
	PM-3X32T8-UNV-IS-L	IS	3	L	0.78	Parallel	✓	✓	✓	✓
	PM-3X32T8-UNV-PS	PS	3	N	0.88	Series	S	S	S	S
	PM-3X32T8-UNV-PS-H	PS	3	H	1.18	Series	S	S	S	S
	PM-4X32T8-UNV-IS	IS	4	N	0.88	Parallel	✓	✓	✓	✓
ESPEN	VE232MVHIPE	IS	2	N	0.89	Parallel	✓	✓	✓	✓
	VE232MVHIPHE	IS	2	H	1.19	Parallel	✓	✓	✓	✓
	VE232MVHIPLE	IS	2	L	0.77	Parallel	✓	✓	✓	✓
	VE232MVHRPHT3-AB	DPS	2	H	1.2	Series	X	X	X	X
GE	GE-232-MAX-H/Ultra P	IS	2	H	1.15	Parallel	X	X	X	X
	GE-232-MV-N P	IS	2	N	0.88	Parallel	✓	✓	✓	✓
	GE-232-MV-PS-N	PS	2	N	0.88	Parallel	✓	✓	✓	✓
	GE-332-MVPS-N	PS	3	N	0.88	Parallel	✓	✓	✓	✓
	GEI32MAX-G-N	IS	1	N	0.88	-	-	-	X	X
	GEI32MAX-H/ULTRA	IS	1	H	1.18	-	-	-	✓	✓
	GEI32MAX-L/ULTRA	IS	1	L	0.78	-	-	-	X	X
	GEI32MAXP-N/ULTRA	IS	1	N	0.88	-	-	-	✓	✓
	GEI32MVPSN-V03	DPS	1	N	0.88	-	-	-	X	X
	GE232MAX-G-L	IS	2	L	0.77	Parallel	✓	✓	✓	✓
	GE232MAX-L/ULTRA	IS	2	L	0.78	Parallel	✓	✓	✓	✓
	GE232MAX-N/ULTRA P	IS	2	N	0.88	Parallel	✓	✓	✓	✓
	GE232MV-N-DIY	IS	2	N	0.88	Parallel	✓	✓	✓	✓
	GE232MVPS-L-S30	DPS	2	N	0.96	Parallel	X	X	X	X
	GE332MAX-G-N	IS	3	N	0.87	Parallel	✓	✓	✓	✓
	GE332MAX-L/ULTRA	IS	3	L	0.78	Parallel	✓	✓	✓	✓
	GE332MAX-N/ULTRA	IS	3	N	0.88	Parallel	✓	✓	✓	✓
	GE332MAXP-H/ULTRA	IS	3	H	1.18	Parallel	✓	✓	✓	✓
	GE332MV-N	IS	3	N	0.87	Parallel	✓	✓	✓	✓
	GE332MVPSN-V03	DPS	3	N	0.98	Parallel	X	X	X	X
GE432-120-RES	IS	4	N	0.83	Parallel	✓	-	✓	-	
GE432MAX-G-N	IS	4	N	0.88	Parallel	✓	✓	✓	✓	
GE432MAX-H/ULTRA P	IS	4	H	1.18	Parallel	✓	✓	✓	✓	
GE432MAX-L/ULTRA P	IS	4	L	0.78	Parallel	✓	✓	✓	✓	
GE432MAX-N/ULTRA	IS	4	N	0.88	Parallel	✓	✓	✓	✓	
GE432MV-N-42T	IS	4	N	0.93	Parallel	✓	✓	✓	✓	
GE432MVPS-N-V03	PS	4	N	0.9	Parallel	X	X	X	X	
HALCO	EP232IS/H/MV/HE	IS	2	H	1.18	Parallel	✓	✓	✓	✓
	EP232IS/L/MV/HE	IS	2	L	0.78	Parallel	✓	✓	✓	✓
	EP232IS/MV/HE	IS	2	N	0.88	Parallel	✓	✓	✓	✓
	EP332IS/L/MV/HE	IS	3	L	0.78	Parallel	✓	✓	✓	✓
	EP332IS/MV/HE	IS	3	N	0.87	Parallel	✓	✓	✓	✓

KEY										
✓	Compatible	X	Not Recommended	-	Not applicable	T	THD > 30%			
S	Can't-start up	F	Flicker after>2s start-up	P	PF < 0.85	N	Acoustic noise > 20dB			

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BRAND	MODEL	Start Method	# of Lamps	Ballast Factor		Lamp Connection	N-1 Lamp		N Lamp	
				Type	Value		120V	277V	120V	277V
HALCO	EP432IS/L/MV/HE	IS	4	L	0.78	Parallel	✓	✓	✓	✓
	EP432IS/MV/HE	IS	4	N	0.88	Parallel	✓	✓	✓	✓
HOWARD INDUSTRIES	EP2/32IS/MV/MC/HE	IS	2	N	0.89	Parallel	✓	✓	✓	✓
	EP2/32PRS/MV/MC/HE	PRS	2	N	0.86	Parallel	S	S	S	S
	EP3/32IS/MV/SC/HE	IS	3	N	0.87	Parallel	✓	✓	✓	✓
	EP4/32IS/MV/MC/HE	IS	4	N	0.88	Parallel	✓	✓	✓	✓
	EPH2/32IS/MV/MC/HE	IS	2	H	1.18	Parallel	✓	✓	✓	✓
	EPH4/32IS/MV/SC/HE	IS	4	H	1.16	Parallel	X	X	X	X
	EPL3/32IS/MV/SC/HE	IS	3	L	0.78	Parallel	✓	✓	✓	✓
	EPL4/32IS/MV/MC/HE	IS	4	L	0.77	Parallel	✓	✓	✓	✓
KEYSTONE	KTEB-232-UV-IS-H-P	IS	2	H	1.18	Parallel	✓	✓	✓	✓
	KTEB-232-UV-IS-N-P	IS	2	N	0.87	Parallel	✓	✓	✓	✓
	KTEB-232LBF-1-TP-PIC-EV	IS	2	N	0.88	Parallel	✓	-	✓	-
	KTEB-332-UV-IS-N-P	IS	3	N	0.87	Parallel	✓	✓	✓	✓
	KTEB-432-UV-IS-H-P	IS	4	H	1.18	Parallel	✓	✓	✓	✓
	KTEB-432-UV-IS-N-P	IS	4	N	0.87	Parallel	✓	P	✓	✓
	KTEB-432RIS-1-TP-SL	IS	4	N	0.8	Parallel	✓	-	✓	-
LIGHTING PRODUCTS LIMITED	EB-332EBF-UV-TP-HE	IS	3	L	0.78	Parallel	✓	✓	✓	✓
MAXLITE	MLEU324HE/SC	IS	4	N	0.88	Parallel	✓	✓	✓	✓
	SKEU322HEL/SC	IS	2	L	0.77	Parallel	✓	✓	✓	✓
	SKEU323L/SC	IS	3	L	0.78	Parallel	✓	✓	✓	✓
	SKEU324HE/SC	IS	4	N	0.88	Parallel	✓	✓	✓	✓
PACIFIC FLOURESCENT	EB-232IS-120-RES	IS	2	N		Parallel	✓	-	✓	-
PHILIPS	ICN-132-MC	IS	1	N	0.88	-	-	-	✓	✓
	ICN-1P32-N	IS	1	N	0.91	-	-	-	X	X
	ICN-2P32-N	IS	2	N	0.89	Parallel	✓	✓	✓	✓
	ICN-3P32-N	IS	3	N	0.88	Parallel	N	N	N	N
	IOP-1P32-N	IS	1	N	0.89	-	X	X	X	X
	IOP-2P32-LW-N	IS	2	L	0.77	Parallel	✓	✓	✓	✓
	IOP-2P32-N	IS	2	N	0.89	Parallel	✓	✓	✓	✓
	IOP-2P32HL-SC	IS	2	H	1.18	Parallel	X	X	X	X
	IOP-2PSP32-LW-N	PS	2	L	0.71	Parallel	✓	✓	✓	✓
	IOP-2PSP32-N	PS	2	N	0.94	Parallel	S	S	✓	✓
	IOP-2S32-SC	PS	2	N	0.87	Series	S	S	S	S
	IOP-3P32HL-90C-SC	IS	3	H	1.22	Parallel	X	X	X	X
	IOP-3PSP32-LW-SC	PS	3	L	0.69	Parallel	✓	✓	✓	✓
	IOP-3PSP32-SC	PS	3	N	0.88	Parallel	✓	✓	✓	✓
	IOP-4P32-HL-SC	IS	4	H	1.18	Parallel	X	X	X	X
	IOP-4P32-LW-N	IS	4	L	0.77	Parallel	✓	✓	✓	✓
	IOP-4P32-N	IS	4	N	0.87	Parallel	✓	✓	✓	✓
	IOP-4P32-SC	IS	4	N	0.87	Parallel	S	S	S	S
	IOP-4PSP32-LW-SC	PS	4	L	0.69	Parallel	✓	✓	✓	✓
	IOPA-1P32-N	IS	1	N	0.88	-	X	X	X	X
	IOPA-3P32-LW-N	IS	3	L	0.76	Parallel	N	N	N	N
	IOPA-4P32-SC	IS	4	N	0.92	Parallel	✓	✓	✓	✓
	IZT-2PSP32-SC	DPS	2	N	1	Parallel	X	X	X	X
	IZT-2S32-SC	DPS	2	N	1	Series	S	S	S	S
	IZT-3PSP32-SC	DPS	3	H	1	Parallel	S	S	S	S
	REB-4P32-SC	IS	4	N	0.81	Parallel	✓	-	✓	-
	REZ-132-SC	DPS	1	H	1	-	-	-	X	-
	REZ-2S32-SC	DPS	2	N		Series	S	-	S	-
	REZ-3S32-SC	DPS	3	N	0.97	Series	X	-	X	-
	VEL-2P32-RH-TP	IS	2	N		Parallel	-	P, T	-	P, T

**KEY**

✓	Compatible	X	Not Recommended	-	Not applicable	T	THD > 30%
S	Can't-start up	F	Flicker after>2s start-up	P	PF < 0.85	N	Acoustic noise > 20dB

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				Type	Value		120V	277V	120V	277V
PLUSRITE	BAF232IS/MV	IS	2	N	0.89	Parallel	✓	✓	✓	✓
	BAF232IS/MV/L	IS	2	L	0.78	Parallel	✓	✓	✓	✓
	BAF332IS/MV	IS	3	N	0.88		✓	✓	✓	✓
	BAF432IS/MV	IS	4	N	0.88	Parallel	✓	✓	✓	✓
	BAF432IS/MV/L	IS	4	L	0.78	Parallel	✓	✓	✓	✓
PROLUME	E432IS/120/R/SL	IS	4	N	0.87	Parallel	✓	-	✓	-
	EP232IS/L/MV/SL	IS	2	L	0.78	Parallel	✓	✓	✓	✓
SUNPARK	120-1/32IS HPF	IS	1	N	0.88	-	-	-	P, T	-
	120-3/32IS MPF	IS	3	N	0.88	Parallel	✓	-	✓	-
	LC 12011T	PS	1	H		-	-	-	S	-
	LC 12013T	PS	1	H		-	-	-	X	-
	SL15T	PS	2	N	0.88	Series	-	-	✓	-
	U-2/32IS HBF	IS	2	H	1.18	Parallel	✓	✓	✓	✓
	U-2/32ISE-LBF	IS	2	L	0.78	Parallel	✓	✓	✓	✓
	U-2/32PSE	RS	2	N	0.88		S	S	S	S
	U-2/32PSE-HBF	RS	2	H	1.15		S	S	S	S
	U-232PS3	RS	2	N	0.88		S	S	S	S
	U-232PS3-HBF	RS	2	H	1.15		X	X	X	X
	U-3/32ISE	IS	3	N	0.88	Parallel	✓	✓	✓	✓
	U-3/32ISE-HBF	IS	3	H	1.18	Parallel	✓	✓	✓	✓
	U-4/32IS HBF	IS	4	H	1.18	Parallel	✓	✓	✓	✓
	U-4/32IS HP,F	IS	4	N	0.88	Parallel	✓	✓	✓	✓
	U-4/32ISE-LBF	IS	4	L	0.77	Parallel	✓	✓	✓	✓
SUPERIOR LIFE	70210	PS	2	N	0.88	Parallel	X	X	X	X
	70211	PS	4	N	0.87	Parallel	X	X	X	X
SYLVANIA	QHE 2x32T8/347 PSN-SC	PRS	2	N	0.88	Parallel	X	X	X	X
	QHE 1X32T8/UNV DIM-TC	DPS	1	N	0.88	-	-	-	X	X
	QHE 1X32T8/UNV ISL-SC	IS	1	L	0.78	-	-	-	✓	✓
	QHE 1X32T8/UNV ISN-SC	IS	1	N	0.88	-	-	-	✓	✓
	QHE 2X32T8/UNV DIM-TC	PRS	2	N	0.88	Series	X	X	X	X
	QHE 2X32T8/UNV ISH HT-SC P	IS	2	H		Parallel	✓	✓	✓	✓
	QHE 2X32T8/UNV ISH-SC	IS	2	H	1.2	Parallel	P, T	P, T	N, P, T	P, T
	QHE 2X32T8/UNV ISL-SC P	IS	2	L	0.78	Parallel	✓	✓	✓	✓
	QHE 2X32T8/UNV ISN-SC P	IS	2	N	0.88	Parallel	✓	✓	✓	✓
	QHE 2X32T8/UNV PSH-HT	PRS	2	H	1.18	Parallel	✓	✓	✓	✓
	QHE 2X32T8/UNV PSN-MC	PRS	2	N	0.88	Parallel	✓	✓	✓	✓
	QHE 3x32T8/UNV ISH HT-SC	IS	3	H	1.18	Parallel	✓	✓	✓	✓
	QHE 3X32T8/UNV ISH-SC	IS	3	H	1.18	Parallel	N	N	N	N
	QHE 3X32T8/UNV ISL-SC	IS	3	L	0.78	Parallel	✓	✓	✓	✓
	QHE 3X32T8/UNV ISN-SC	IS	4	N	0.88	Parallel	✓	✓	✓	✓
	QHE 3X32T8/UNV PSH-HT-SC	DPS	3	H	1.15	Parallel	✓	✓	✓	✓
	QHE 3X32T8/UNV PSN-SC	PRS	3	N	0.88	Parallel	✓	✓	✓	✓
	QHE 4x32T8/UNV ISH-SC	IS	4	H		Parallel	X	X	X	X
	QHE 4X32T8/UNV ISL-SC P	IS	4	L	0.78	Parallel	✓	✓	✓	✓
	QHE 4X32T8/UNV ISN-SC P	IS	4	N	0.88	Parallel	✓	✓	✓	✓
	QHE 4X32T8/UNV PSN-SC	PRS	4	N	0.88	Parallel	✓	✓	✓	✓
	QHEs 2x32T8/UNV PSL-SC	PRS	2	L	0.71	Parallel	S	S	✓	✓
	QT 2x32/347 ISH-SC	IS	2	H	1.2	Parallel	-	✓, (347V)	-	✓, (347V)
	QTP 2X32T8/UNV ISL-SC	IS	2	L	0.78	Parallel	✓	✓	✓	✓
	QTP 2X32T8/UNV ISN-SC P	IS	2	N	0.88	Parallel	✓	✓	✓	✓
	QTP 3X32T8/UNV ISN-SC	IS	3	N	0.88	Parallel	✓	✓	✓	✓
	QTP 3X32T8/UNV PSX-SC	PRS	3	L	0.71	Series	S	S	S	S
	QTP2x32T8/UNV DIM-TC	DPS	2	N	0.88		X	X	X	X
QTP3X32T8/UNV PSN-SC	PRS	3	N	0.88	Series	S	S	S	S	

BALLAST COMPATIBILITY

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BRAND	MODEL	Start Method	# of Lamps	Ballast Factor		Lamp Connection	N-1 Lamp		N Lamp	
				Type	Value		120V	277V	120V	277V
TCP	E2P32ISUNVHE	IS	2	H	1.18	Parallel	✓	F	✓	F
	E3P32ISUNVE	IS	3	N	0.88	Parallel	✓	✓	✓	✓
	E4P32ISUNVHE	IS	4	H	1.18	Parallel	✓	✓	✓	✓
	E4P32ISUNVLE	IS	4	L	0.78	Parallel	✓	✓	✓	F
TOPAZ	B232IUNVHEH/A-TPZ	IS	2	H	1.18	Parallel	✓	✓	✓	✓
	B432IUNVHEH/A-TPZ	IS	4	H	1.18	Parallel	✓	✓	✓	✓
UNIVERSAL LIGHTING TECHNOLOGIES	B232I120RES-A	IS	2	N	0.88	Parallel	✓	-	✓	-
	B232IUNV-C	IS	2	N	0.88	Parallel	✓	✓	✓	✓
	B232IUNVEL-A	IS	2	L	0.77	Parallel	✓	✓	✓	✓
	B232IUNVHP-B	IS	2	N	0.88	Parallel	✓	✓	✓	✓
	B232PU104S50A	PRS	2	H	1.04	Parallel	S	S	S	S
	B232PUNVHP-A	PS	2	N	0.88	Parallel	S	S	S	S
	B233IUNVHE-A	IS	2	N	0.87	Parallel	✓	✓	✓	✓
	B332IUNVHP-A	IS	3	N	0.88	Parallel	✓	P	✓	✓
	B332PUNVHEH-A	PS	3	H	1.18	Parallel	✓	✓	✓	✓
	B432IUNVHE L-A	IS	4	L	0.77	Parallel	✓	✓	✓	✓
	B432IUNVHE-A	IS	4	N	0.87	Parallel	✓	✓	✓	✓
	B432IUNVHEH-E	IS	4	H	1.15	Parallel	✓	✓	✓	✓
	B432IUNVHP-A	IS	4	N	0.88	Parallel	✓	✓	✓	✓
	WATRAN	DB-232N-MV-TP-HE	IS	2	N	0.87	Parallel	✓	✓	✓
DB-332N-MV-TP-HE		IS	3	N	0.87	Parallel	✓	✓	✓	✓
DB-432L-MV-TP-HE		IS	4	L	0.77	Parallel	✓	✓	✓	✓
DB-432N-MV-TP-HE		IS	4	N	0.87	Parallel	✓	✓	✓	✓
DBG32N-MV-TP-PS-HL		PS	3	H			S	S	S	S
WORK HORSE	WHSG3-UNV-T8-IS	IS	3	N	0.99	Parallel	✓	✓	✓	✓
	WHSG4-UNV-T8-IS	IS	4	N	0.96	Parallel	✓	✓	✓	✓
<b>EMERGENCY BALLASTS</b>										
ESPEN	VEM500DV(L)	AC	1							
	VEM700DV(L)	AC	1							
EXITRONIX	XEB-7-B-LM	AC	1							
KEYSTONE	KT-EMRG-800-T5	AC	1							
	KT-EMRG-1400	DC	1							
POWER SENTRY	PSQ500QD MVOLT	DC	1							
TAMLITE	BAL1400LPACTD	AC	1							
	PAC0457	AC	1							

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