



QUALIFYING PRODUCTS¹

High-Performance 120 and 277V T8 Ballasts

CEE High-Performance Commercial Lighting Systems Initiative

Last updated 8/2/2012

For a list of qualifying 347 and 480 V T8 ballasts, see: www.cee1.org/com/com-lt/347-ballasts.xls

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Legend: **Red Font** is a product no longer manufactured, but still meets the criteria as a qualifying product

Manufacturer	Product Name	Model Number	NEMA ⁴ Premium®	Voltage (V)	Ballast Type ²	Number of Lamps	Ballast Factor Range	Ballast Factor	Input Watts (W)	BEF ³
HP T8 Qualified Ballasts with 1 Lamp										
ACCUPRO	High Efficiency	A*-132-IP-UNV	yes	277	I	1	Normal	0.87	28	3.11
American Ballast	High Efficiency	AB1-32-IP-UNV-HE	yes	120/277	I	1	Normal	0.91	29	3.14
		AB1-32-IP-UNV-1	yes	120/277	I	1	Normal	0.91	29	3.14
DuroPower (BallastWise)	Ballastwise	DXE1H81	no	120	I	1	Normal	0.88	28	3.14
		DXE1H81U	no	120/277	I	1	Normal	0.88	28.2	3.12
Dynamic Ballast	High Efficiency	DY 132 IS WV - HE	no	120/277	I	1	Normal	0.88	28	3.14
Fulham	Workhorse	WHHE2-UNV-T8-IS	no	120/277	I	1	High	1.08	34	3.18
		WHSG2-UNV-T8-HB	no	120/277	I	1	High	1.38	45	3.07
		WHPS1-UNV-T8-PS	no	120/277	P	1	Normal	0.88	30	2.93
Fusion Ballasts	Electronic ballasts	FB232MVE	no	120/277	I	1	High	1.09	36	3.03
General Electric Company	GE Ultramax	GE-132-MAX-N/Ultra	yes	120/277	I	1	Normal	0.88	28	3.11
		GE-132-MAX-L/Ultra	yes	120/277	I	1	Low	0.77	25	3.08
	UltraStart	GE132-MVPS-L	yes	120/277	P	1	Low	0.72	25	2.88
		GE132-MVPS-N	yes	120/277	P	1	Normal	0.89	30	2.97
		GE132-MVPS-H	yes	120/277	P	1	High	1.18	39	3.03
	Proline	GE-132-MV-N	yes	120/277	I	1	Normal	0.87	28	3.11
Halco Lighting Technologies	ProLume	EP232IS/L/MV/HE	yes	120/277	I	1	Normal	0.95	30	3.17
		EP232IS/MV/HE	yes	120/277	I	1	High	1.05	33	3.18
		EP232IS/120/SL	yes	120	I	1	High	1.15	38	3.03
		EP232IS/MV/SL	yes	120/277	I	1	High	1.15	38	3.03
Hatch Lighting	Hatch	HL232AIS/UV/HE/W	no	120/277	I	1	Normal	0.95	30	3.17
		HL232BIS/UV/HE/W	no	120/277	I	1	High	1.05	33	3.18
HEP Group USA, Inc.	HEP HE Ballast	SIS117-32 UNI 21	no	120/277	P	1	High	1.05	34.5	3.04
		SIS117-32S UNI	no	120/277	P	1	High	1.05	34.5	3.04
Howard Industries	HEX Electronic	E1/32IS-120HEX	no	120	I	1	Normal	0.87	28	3.11
		E1/32IS-277HEX	no	277	I	1	Normal	0.87	28	3.11
	HE High Efficiency	EP2/32IS/MV/SC/HE	no	120/277	I	1	Normal	1.00	35	2.86
	HE Micro Case	EPH2/32IS/MV/MC/HE	no	120/277	I	1	High	1.08	35/34	3.09/3.18
Keystone Technologies	Premium Series	KTEB-132-UV-IS-L-P	yes	120/277	I	1	Low	0.77	25	3.08
		KTEB-132-UV-IS-N-P	yes	120/277	I	1	Normal	0.87	28	3.10
		KTEB-132-UV-PS-N-P	yes	120/277	P	1	Normal	0.88	31	2.84
		KTEB-132-UV-PS-L-P	yes	120/277	P	1	Low	0.77	27	2.85
		KTEB-132-UV-PS-H-P	yes	120/277	P	1	High	1.18	40	2.95
		KTEB-132-UV-IS-H-P	yes	120/277	I	1	High	1.18	39	3.03
Maxlite	High Efficiency Ballast	SKEU322HEL	no	120/277	I	1	Normal	0.95	30	3.17
	Electronic Ballasts	SKEU322H/SC	no	120/277	I	1	High	1.38	45	3.07
MW McWong International	Electronic Ballast	EB-132PRS-U-ES	yes	120/277	P	1	Normal	0.88	30	2.93
		EB-132PRS-U-ES-HBF	yes	120/277	P	1	High	1.18	38	3.11
Omnitronix Engineering LLC	Smart Ballast	FL2T17-32M NO	no	120/277	P	1	Normal	0.87	28	3.11
		FX2T17-32M NO	no	120/277	P	1	Normal	0.87	28	3.11
		FX2T17-32M HO	no	120/277	P	1	High	1.21	39	3.10
		FL2T17-32M HO	no	120/277	P	1	High	1.21	39	3.10
Orion Energy Systems	HIGH EFFICIENCY	OB2-T8-32-120/277-E-IN-0.9	no	120/277	I	1	Normal	0.89	28	3.18

Manufacturer	Product Name	Model Number	NEMA ¹ Premium®	Voltage (V)	Ballast Type ²	Number of Lamps	Ballast Factor Range	Ballast Factor	Input Watts (W)	BEF ³
OSRAM SYLVANIA	Quicktronic	QHE1x32T8/UNV ISH-SC	yes	120/277	I	1	High	1.20	38	3.16
		QHE 1x32T8/UNV ISH-HT-SC	no	120/277	I	1	High	1.20	38	3.16
		QHE 1X32T8/UNV ISL-SC	yes	120/277	I	1	Low	0.78	25	3.12
		QHE 1X32T8/UNV ISL-SC-1	yes	120/277	I	1	Low	0.77	25	3.08
		QHE 1X32T8/UNV ISN-SC	yes	120/277	I	1	Normal	0.88	28	3.14
		QHE1x32T8/UNV ISN-SC-1	yes	120/277	I	1	Normal	0.87	28	3.11
		QHE1x32T8/UNV PSN-MC	yes	120/277	P	1	Normal	0.88	30/29	2.93/3.03
		QTP 1X32T8/UNV PSN-TC	yes	120/277	P	1	Normal	0.88	31/30	2.84/ 2.93
		QTP 1X32T8/UNV PSX-TC	yes	120/277	P	1	Low	0.71	25	2.84
Philips - Advance	Optanium	IOP-1S32-SC	yes	120/277	P	1	Normal	0.88	28	3.14
		IOP-1P32-SC	yes	120/277	I	1	Normal	0.87	28	3.11
		IOP-1P32-HL-SC	yes	120/277	P	1	Normal	0.88	28	3.14
		IOP-1P32-LW-SC	yes	120/277	I	1	Low	0.77	25	3.08
		IOP-1S32-LW-SC	yes	120/277	P	1	Low	0.72	24	3.00
		IOPA-1P32-N	no	277	I	1	Normal	0.89	28	3.18
		IOP-1P32-N	yes	277	I	1	Normal	0.88	28	3.14
		IOP-1P32-LW-N	yes	277	I	1	Low	0.77	24	3.21
		IOPA-1P32-LW-N	yes	277	I	1	Low	0.77	24	3.21
		IOPA-1P32-LW-SC	yes	120/277	I	1	Low	0.77	25	3.08
		IOPA-1P32-SC	yes	120/277	I	1	Normal	0.87	28	3.11
	Centium	ICN-1P32-N	no	277	I	1	Normal	0.94	30	3.13
P.Q.L., Inc.	Superior Life	70201	no	120/277	I	1	Normal	0.87	27/26.5	3.22/3.28
		70210	no	120/277	P	1	High	1.06	34	3.12
		70213	no	120	I	1	High	1.37	45	3.04
		SL-1/32IS-120 (70209)	no	120	I	1	Normal	0.88	28	3.11
		SL-1/32IS-277 (70200)	no	277	I	1	Normal	0.88	28	3.11
Robertson Worldwide	Sterling Series	ISL132T8HEMVL	yes	120/277	I	1	Low	0.77	25	3.08
	Sterling Series	ISU232T8HEMV	yes	120	I	1	High	1.12	36	3.11
	-	PSA132T8HEMV	yes	120/277	P	1	Normal	0.91	30	3.03
		PSA132T8HEMH	yes	120/277	P	1	High	1.18	39/38	3.03/3.11
Sage Lighting Ltd	Sage	NLO232T8PIS	no	120	P	1	High	1.03	36	2.86
		SAU139Q2	no	120	P	1	Normal	1.00	33	3.03
		SLU232T8HPIS-ROHS	no	120/277	P	1	High	1.40	45	3.11
		NU240T8RS-ROHS	no	120	P	1	High	1.40	41	3.41
		SAU139Q2	no	120	P	1	High	1.02	33	3.09
		SLU232T8HPIS-ROHS	no	120/277	I	1	High	1.40	45	3.11
SOLA Canada Lighting & Power Inc	Sola	E-758-F-132SC	no	120	I	1	Normal	0.97	31	3.13

HP 120 and 277 V T8 Ballasts

Manufacturer	Product Name	Model Number	NEMA ¹ Premium®	Voltage (V)	Ballast Type ²	Number of Lamps	Ballast Factor Range	Ballast Factor	Input Watts (W)	BEF ³
Standard Products, Inc.	Optistart	E232T8PRS120-277/L	no	120/277	P	1	Normal	0.88	29	3.03
	Gold Label	E232T8PS120-277/N/XTRM	no	120/277	P	1	High	1.40	41	3.41
		E232T8PRS120-277/N	no	120/277	P	1	Normal	0.90	29	3.10
		E232T8PS120-277/N/AS/BULK	no	120/277	P	1	Normal	0.90	29	3.10
		E132T8IS120/N	no	120	I	1	Normal	0.90	28	3.21
		E132T8IS120/L/BULK	no	120	I	1	Low	0.78	25	3.12
		E132T8IS120/L	no	120	I	1	Low	0.78	25	3.12
Sunpark Electronics Corp.	Ultralumen	U-1/32PSE	no	120/277	P	1	Normal	0.88	30	2.93
Technical Consumer Products, Inc.	-	TCP2P32ISUNVH	yes	120/277	I	1	High	1.37	45	3.04
		E2P32ISUNVHE	yes	120/277	I	1	High	1.37	45	3.04
		TCP2P32ISUNV	yes	120/277	I	1	Normal	0.99	31	3.19
		E2P32ISUNVLE	yes	120/277	I	1	Normal	0.88	28	3.14
		E2P32ISUNVHE	yes	120/277	I	1	High	1.37	45	3.04
		E2P32ISUNVE	yes	120/277	I	1	Normal	0.99	31	3.19
Topstar International Inc.	T8 Electronic Ballast	BB-T8/UVH-2x32/HPF	no	120	I	1	Normal	0.96	30	3.20
Ultrasave Lighting Ltd.	-	SR132120	no	120	P	1	Normal	0.86	30	2.87
		SR132277	no	277	P	1	Normal	0.86	30	2.87
		PR232120M-HE	no	120/277	P	1	Normal	0.97	33	2.94
		UT132120M-HE	no	120/277	I	1	Normal	0.87	28	3.11
		UT132120ML-HE	no	120/277	I	1	Low	0.74	24	3.08
		UT232120L-HE	no	120	I	1	Normal	0.97	30	3.23
		PR132120M-P-HE	no	120/277	P	1	Normal	0.88	30	2.93
		PR232120M-P-HE	no	120/277	P	1	Normal	0.88	29	3.03
		PR232120ML-P-HE	no	120/277	P	1	Low	0.72	24	3.00
		PR232120M-PP-HE	no	120/277	P	1	Normal	0.99	34.8	2.84
	eT232120M	no	120/277	I	1	High	1.09	36	3.03	
Universal Lighting Technologies	AccuStart8	B232PUNVHP-A	yes	120/277	P	1	Normal	1.00	32	3.13
		B132PUNVHP-A	yes	120/277	P	1	Normal	0.88	31/30	2.84/ 2.93
	Ultim8	B232PUNVEL-A	yes	120/277	P	1	Low	0.71	25/23	2.84/3.09
		B232IUNVEL-A	yes	120/277	I	1	Normal	0.95	30	3.17
		B232IUNVHE-A	yes	120/277	I	1	High	1.05	33	3.18
		B132IUNVHE-A	yes	120/277	I	1	Normal	0.87	28	3.11
		B132IUNVEL-A	yes	120/277	I	1	Low	0.77	25	3.08
HP T8 Qualified Ballasts with 2 Lamps										
ACCUPRO	High Efficiency	A*-232-IP-UNV	yes	277	I	2	Normal	0.88	55	1.60
		A*-232IP-H-UNV	no	120/277	I	2	High	1.18	76/75	1.55/1.57
		A*-232IP-L-UNV	no	120/277	I	2	Low	0.77	48	1.60
American Ballast	High Efficiency	AB2-32-IP-UNV-HE	yes	120/277	I	2	Normal	0.89	56	1.59
		AB2-32-IP-UNV-1	yes	120/277	I	2	Normal	0.89	56	1.59
		AB2-32-IP-UNV-HBF	yes	120/277	I	2	High	1.18	76/75	1.55/1.57
		AB2-32-IP-UNV-LX	yes	120/277	I	2	Low	0.77	48	1.60
Atlas Lighting Products, Inc.	-	EB232UIH	yes	120/277	I	2	High	1.18	74	1.69
		EB232UI	yes	120/277	I	2	Normal	0.87	55	1.58
Axis Technologies	DDH	AX232B	no	120/277	P	2	Normal	0.99	64/66	1.55/1.50
Cooper Lighting	Ultim 8	AP-232ISUNV-R1-*	yes	277	I	2	Normal	0.88	55	1.60

HP 120 and 277 V T8 Ballasts

Manufacturer	Product Name	Model Number	NEMA ¹ Premium®	Voltage (V)	Ballast Type ²	Number of Lamps	Ballast Factor Range	Ballast Factor	Input Watts (W)	BEF ³
DuroPower (BallastWise)	Ballastwise	DXE2H8	no	120	I	2	Normal	0.92	56	1.64
		DXE2H81	no	120	I	2	Normal	0.88	55	1.60
		DXE2H8U	no	120/277	I	2	Normal	0.88	55/54	1.60/1.63
		DXE2H8U-HBF	no	120/277	I	2	High	1.18	74/72	1.59/1.64
		DXE2H8U-LBF	no	120/277	I	2	Low	0.77	48/47	1.60/1.64
		GB232T8DHB	no	120/277	P	2	Normal	0.88	60/59	1.47/1.49
Dynamic Ballast	High Efficiency	DY 232 IS WV - HE	no	120/277	I	2	Normal	0.88	55	1.60
Eiko	Power Master	PM-2X32T8-UNV-IS	no	120/277	I	2	Normal	0.87	55	1.58
Energy Efficient Lighting Supply	High Efficiency	EEL-PSB-F32-2-MVOLT	no	120/277	P	2	Normal	.88/.91	59	1.49/1.54
Eспен Technology, Inc.	Elite	VE232MVHIPE	yes	120/277	I	2	Normal	0.89	55/54	1.62/1.65
		VE232MVHIPHE	yes	120/277	I	2	High	1.19	76/75	1.57/1.59
		VE232MVHRPHE	yes	120/277	P	2	High	1.18	72/71	1.64/1.66
		VE232MVHRPE	yes	120/277	P	2	Normal	0.88	57/56	1.54/1.57
		VE232MVHRPLE	yes	120/277	P	2	Low	0.78	52/51	1.50/1.53
		VE232MVHIPLE	yes	120/277	I	2	Low	0.77	48/47	1.60/1.64
	Apollo	VE232120HIPE	yes	120	I	2	Normal	0.85	53	1.60
Fulham	Workhorse	WHS3-UNV-T8-IS	no	277	I	2	High	1.02	66	1.55
		WHS3-UNV-T8-HB	no	120/277	I	2	High	1.27	81/80	1.57/1.59
		WHPS2-UNV-T8-PS	no	120/277	P	2	Normal	0.88	57/56	1.54/1.57
		WHHE2-UNV-T8-IS	no	120/277	I	2	Normal	0.89	55/54	1.61/1.64
		WHS3-UNV-T8-HB	no	120/277	I	2	High	1.18	74/73	1.59/1.62
		WHS3-UNV-T8-LB	no	120/277	I	2	Normal	0.92	58/57	1.59/1.61
Fusion Ballasts	Electronic ballasts	FB232MVE-HE	no	120/277	I	2	Normal	0.87	55	1.58
		FB232MVE	no	120/277	I	2	Normal	0.89	56	1.59
General Electric Company	Proline	GE-232-MV-H	no	120/277	I	2	High	1.18	76	1.55
		GE-232-MV-N	yes	277	I	2	Normal	0.88	55	1.60
		GE-232-277-N	yes	277	I	2	Normal	0.89	56	1.59
	Ultrastart	GE-232-MV-PS-H	yes	120/277	P	2	High	1.15	75 / 74	1.53/ 1.55
		GE-232-MVPS-N	yes	120/277	P	2	Normal	0.89	58	1.53
		GE-232-MVPS-L	yes	120/277	P	2	Low	0.71	47	1.51
		GE-232-120-PS-N	yes	120	P	2	Normal	0.89	57	1.56
		GE-232-277-PS-N	yes	277	P	2	Normal	0.89	57	1.56
		GE-232-MAX-N+	yes	120/277	I	2	Normal	1.00	62	1.61
	Ultramax	GE-232-MAX-L-42T	yes	277	I	2	Low	0.77	48	1.60
		GE-232-MAX-H-42T	yes	120/277	I	2	High	1.15	73	1.58
		GE-232-MAX-H	yes	120/277	I	2	High	1.19	74/73	1.61/1.63
		GE-232-MAX-L/Ultra	yes	120/277	I	2	Low	0.77	48	1.60
		GE-232-MAX-N/Ultra	yes	120/277	I	2	Normal	0.87	54 / 53	1.61/ 1.64
		GE-232-MAX-H/Ultra	yes	120/277	I	2	High	1.15	74 / 73	1.55/ 1.58
Green Ballast Inc.	DDH	AX232B120	no	120/277	P	2	Normal	0.99	64/66	1.55/1.50
	DHB	GB2T832ISNBF-U	no	120/277	I	2	Normal	0.88	55/53	1.60/1.66
		GB2T832DHB-U	no	120/277	P	2	Normal	0.88	60/59	1.47/1.49
Halco Lighting Technologies	ProLume	EP232IS/MV/HE	yes	120/277	I	2	Normal	0.87	55	1.58
		EP232IS/L/MV/HE	yes	120/277	I	2	Low	0.77	48	1.60
		EP232IS/H/MV/SL	yes	120/277	I	2	High	1.18	74	1.59
		EP332IS/H/MV/SL	yes	120/277	I	2	High	1.33	83	1.60
		EP232PS/MV/HE	no	120/277	P	2	Normal	0.88	60/60	1.47
		EP232PS/L/MV/HE	no	120/277	P	2	Low	0.77	52/52	1.48

Manufacturer	Product Name	Model Number	NEMA ¹ Premium®	Voltage (V)	Ballast Type ²	Number of Lamps	Ballast Factor Range	Ballast Factor	Input Watts (W)	BEF ³
Hatch Lighting		HL232AIS/UV/HE/W	no	120/277	I	2	Low	0.77	48	1.60
		HL232BIS/UV/HE/W	no	120/277	I	2	Normal	0.87	55	1.58
		HL332AIS/UV/HE/W	no	120/277	I	2	Normal	0.92	57	1.61
		HL332BIS/UV/HE/W	no	120/277	I	2	High	1.02/1.01	64/63	1.59/1.60
		HL332CIS/UV/HE/W	no	120/277	I	2	High	1.27	82/81	1.55/1.57
		HL232APS/UV/HE/W	no	120/277	P	2	Low	0.77	52	1.48
		HL232BPS/UV/HE/W	no	120/277	P	2	Normal	0.88	60	1.47
		HL232CPS/UV/HE/W	no	120/277	P	2	High	1.18	78	1.51
		HL332APS/UV/HE/W	no	120/277	P	2	Normal	0.86	58	1.48
		HL332CPS/UV/HE/W	no	120/277	P	2	High	1.35	88	1.53
HEP Group USA, Inc.	HEP HE Ballast	SI2117-32 UNI	no	120/277	P	2	Normal	1.00	59	1.69
Howard Industries	HEX Electronic	E2/32IS-120HEX	no	120	I	2	Normal	0.87	55	1.58
		E2/32IS-277HEX	no	277	I	2	Normal	0.87	55	1.58
		EL2/32IS-277HEX	no	277	I	2	Low	0.77	48	1.60
	HE High Efficiency	EPL2/32IS/MV/SC/HE	no	120/277	I	2	Low	0.77	48	1.60
		EP2/32IS/MV/SC/HE	no	120/277	I	2	Normal	0.87	54/53	1.61/1.64
		EPH2/32IS/MV/SC/HE	no	120/277	I	2	High	1.14	73/72	1.56/1.58
		EPH3/32IS/MV/SC/HE	no	277	I	2	High	1.25	80	1.56
	HE Micro Case	EP2/32IS/MV/MC/HE	no	120/277	I	2	Normal	0.89	55/54	1.62/1.65
		EPL2/32IS/MV/MC/HE	no	277	I	2	Low	0.78	48	1.63
		EP2/32PRS/MV/MC/HE	no	120/277	P	2	Normal	0.88	57 / 56	1.54/1.57
		EPH3/32IS/MV/MC/HE	no	277	I	2	Normal	1.27	80	1.59
		EPL3/32IS/MV/MC/HE	no	277	I	2	Normal	0.92	57	1.61
		EPH2/32IS/MV/MC/HE	no	120/277	I	2	High	1.18	74/73	1.59/1.61
	Micro Case	EPH2/32IS/MV/MC	no	120/277	I	2	High	1.18	74/73	1.59/1.62
Jiangmen Pengjian Hetang Yucheng	Fluorescent Lamp Ballast	YC322520E-2	no	120	I	2	High	1.025	65.16	1.57
Keystone Technologies	Premium Series	KTEB-232-UV-IS-L-P	yes	120/277	I	2	Low	0.77	48	1.60
		KTEB-232-UV-IS-N-P	yes	120/277	I	2	Normal	0.87	55	1.58
		KTEB-232-UV-PS-N-P	yes	120/277	P	2	Normal	0.88	60	1.47
		KTEB-232-UV-PS-L-P	yes	120/277	P	2	Low	0.77	52	1.48
		KTEB-232-UV-PS-H-P	yes	120/277	P	2	High	1.18	78	1.51
		KTEB-232-UV-IS-H-P	yes	120/277	I	2	High	1.18	74/73	1.60/1.61
Leviton	Zipline	3600C-#02	yes	120/277	I	2	Normal	0.89	56/55	1.59/1.62
		360RC-#02	yes	120/277	I	2	Normal	0.89	56/55	1.59/1.62
		3600C-#12	yes	277	I	2	Low	0.79	49	1.61
		360RC-#12	no	277	I	2	Low	0.79	49	1.61
		3600C-#22	yes	120/277	I	2	High	1.19	77/75	1.55/1.59
		360RC-#22	yes	120/277	I	2	High	1.19	77/75	1.55/1.59
Lighting and Power Technologies	Deltek	DB-232H-MV-TP-HE	no	120/277	I	2	High	1.18	74/73	1.59/1.62
		DB-232N-MV-TP-HE	no	120/277	I	2	Normal	0.87	55	1.58
		DB-232L-MV-TP-HE	no	120/277	I	2	Low	0.77	48	1.60
	Watran	80209 - DB-232H-MV-TP-HE	no	120/277	I	2	High	1.18	74/73	1.59/1.62
		80210 - DB-232N-MV-TP-HE	no	120/277	I	2	Normal	0.89	55/54	1.62/1.65
		80211 - DB-232L-MV-TP-HE	no	277	I	2	Low	0.78	48	1.63
Maintenance Engineering	Premira Electronic Ballast	BPM932	no	120/277	P	2	Normal	0.88	55	1.60
	232IE/1227/30	BEL832	no	120/277	I	2	Normal	0.87	55	1.58
	232IE/MV/10/50	BELM832	no	120/277	I	2	Normal	0.89	56	1.59
	232IE/MV/IS	B1L832	no	120/277	I	2	Normal	0.89	56	1.59
		B1M832	no	120/277	I	2	Normal	0.89	56	1.59

Manufacturer	Product Name	Model Number	NEMA ¹ Premium®	Voltage (V)	Ballast Type ²	Number of Lamps	Ballast Factor Range	Ballast Factor	Input Watts (W)	BEF ³
Maxlite	Anti-Striation	SKEU322AS	no	120/277	I	2	Normal	0.88	44	2.00
	High Efficiency Ballast	SKEU322HE/SC	no	120/277	I	2	Normal	0.89	55/54	1.62/1.65
		SKEU322HEH/SC	no	120/277	I	2	High	1.19	76/75	1.57/1.59
		SKEU322HEL/SC	no	120/277	I	2	Low	0.77	48/47	1.60/1.64
		SKEU322HEL	no	120/277	I	2	Low	0.77	48	1.60
		SKEU322L/SC	no	120/277	I	2	Low	0.78	48	1.63
	Electronic Ballasts	SKE1323	no	120	I	2	Normal	0.96	55	1.75
		SKE1324	no	120	I	2	High	1.05	67	1.57
		SKE1324L	no	120	I	2	Normal	0.94	58	1.62
		SKE1322/SC	no	120	I	2	Normal	0.86	54	1.59
		SKEU322/SC	no	120/277	I	2	Normal	0.89	56	1.59
		SKEU322H/SC	no	120/277	I	2	High	1.18	74/73	1.59/1.61
		SKEU322L/SC	no	120/277	I	2	Low	0.78	47	1.66
		SKEU323HER/SC	yes	120/277	P	2	Normal	0.88	57/56	1.54/1.57
		SKEU323HEHR/SC	yes	120/277	P	2	High	1.18	72/71	1.64/1.66
MW McWong International	Electronic Ballast	EB-232PRS-U-ES	yes	120/277	P	2	Normal	0.88	57/56	1.54/1.57
		EB-232PRS-U-ES-LBF	yes	120/277	P	2	Low	0.78	52/51	1.50/1.53
		EB-232PRS-U-ES-HBF	yes	120/277	P	2	High	1.18	72/71	1.64/1.66
		EB-232IS-U-ES	yes	120/277	I	2	Normal	0.89	55/54	1.62/1.65
		EB-232IS-U-ES-LBF	yes	277	I	2	Low	0.78	48	1.62
		EB-232IS-U-ES-HBF	yes	120/277	I	2	High	1.18	74/73	1.59/1.61
Mylar Electronics Co, Ltd.	High Efficiency Ballast	U-2/32IS	no	120/277	I	2	Normal	0.95	60	1.58
		U-2/32IS HO	no	120/277	I	2	High	1.25	78	1.60
Omnitronix Engineering LLC	Smart Ballast	FX2T17-32M NO	no	120/277	P	2	Normal	0.86	56	1.54
		FL2T17-32M NO	no	120/277	P	2	Normal	0.86	56	1.54
		FL2T17-32M HO	no	120/277	P	2	High	1.19	76	1.57
		FX2T17-32M HO	no	120/277	P	2	High	1.19	76	1.57
Orion Energy Systems	HIGH EFFICIENCY	OB2-T8-32-120/277-E-IN-0.9	no	120/277	I	2	Normal	0.89	56	1.59
OSRAM SYLVANIA	Quicktronic	QHE 2X32T8/UNV ISH-SC	yes	120/277	I	2	High	1.20	74 / 73	1.62 / 1.64
		QHE 2x32T8/UNV ISH-HT-SC	no	120/277	I	2	High	1.20	74/73	1.62/1.64
		QHE 2X32T8/UNV ISL-SC	yes	120/277	I	2	Low	0.78	48	1.63
		QHE 2X32T8/UNV ISL-SC-1	yes	120/277	I	2	Low	0.77	48	1.60
		QHE 2X32T8/UNV ISN-SC	yes	120/277	I	2	Normal	0.88	55	1.60
		QHE 2X32T8/UNV ISN-SC-1	yes	120/277	I	2	Normal	0.87	55	1.58
		QHE 3X32T8/UNV ISN-SC	yes	277	I	2	Normal	0.99	62	1.60
		QHE 4X32T8/UNV ISN-SC	yes	120/277	I	2	High	1.06	68	1.56
		QHE 2x32T8/UNV-PSH-HT	yes	120/277	P	2	High	1.15	72/70	1.60/1.64
		QHE 2x32T8/UNV-PSN-MC	yes	120/277	P	2	Normal	0.88	57/55	1.54/1.60
		QTP 2X32T8/UNV PSN-TC	yes	120/277	P	2	Normal	0.88	59 / 56	1.49/ 1.57
		QTP 2X32T8/UNV PSX-TC	yes	120/277	P	2	Low	0.71	47 / 46	1.51/ 1.54
		QTP 2X32T8/UNV ISN-SC	yes	277	I	2	Normal	0.88	55.6	1.58
		QTP 2X32T8/UNV ISH-SC	yes	277	I	2	High	1.20	77	1.56
		QHE 2x32T8/UNV ISM-SC	yes	120/277	I	2	Medium	1.00	63/62	1.61

HP 120 and 277 V T8 Ballasts

Manufacturer	Product Name	Model Number	NEMA ¹ Premium®	Voltage (V)	Ballast Type ²	Number of Lamps	Ballast Factor Range	Ballast Factor	Input Watts (W)	BEF ³
Philips - Advance	Optanium	IOP-2P32-HL-SC	yes	120/277	I	2	High	1.18	74/72	1.59/1.64
		IOP-2S32-SC	yes	120/277	P	2	Normal	0.88	56	1.57
		IOP-2P32-SC @ 120V	yes	120	I	2	Normal	0.87	55	1.58
		IOP-2P32-SC @ 277V	yes	277	I	2	Normal	0.87	54	1.61
		IOP-2P32-LW-SC	yes	120/277	I	2	Low	0.77	48	1.60
		IOP-2S32-LW-SC	yes	120/277	P	2	Low	0.71	47	1.51
		IOPA-2P32-HL-SC	yes	120/277	I	2	High	1.18	74/72	1.59/1.64
		IOP-2PSP32-SC	yes	120/277	P	2	Normal	0.85	58	1.47
		IOPANA-2P32SC	no	277	I	2	Normal	1.00	59	1.69
		IOP-2P32-N	yes	277	I	2	Normal	0.88	55	1.60
		IOPA-2P32-N	yes	120/277	I	2	Normal	.87/.89	55/56	1.58/1.59
		IOP-2PSP32-LW-SC	yes	120/277	P	2	Low	0.71	46/45	1.54/1.58
		IOP-2P32-LW-N	yes	277	I	2	Low	0.78	47	1.66
		IOPA-2P32-LW-N	yes	277	I	2	Low	.77/.80	48/50	1.60
		IOP-2PSP32-HL-SC	no	277	P	2	High	1.16	74	1.57
		IOPA-2P32-LW-SC	yes	120/277	I	2	Low	0.77	48	1.60
		IOPA-2P32-SC	yes	120/277	I	2	Normal	0.87	54	1.61
	Standard	REL-2P32-HL-SC	no	120	I	2	High	1.20	77	1.56
		VEL-2P32-HL-SC	no	277	I	2	High	1.20	77	1.56
	Centium	ICN-2P32N	yes	120/277	I	2	Normal	0.89	56	1.59
		ICN-2P32-LW-SC	yes	277	I	2	Low	0.78	48	1.63
Power Electronics & Systems, Inc.	Electronic Ballast, 2 lamps, HPF	PES 120ET8-12HSMT	no	120	I	2	Normal	0.95	58	1.64
	Universal Electronic Ballast, 2 lamps, HPF	PES 120-277ET8-12HSMT	no	120/277	I	2	Normal	0.95	58	1.64
P.Q.L., Inc.	Superior Life	70201	no	120/277	I	2	Normal	0.87	54/53	1.61/1.64
		70210	no	120/277	P	2	Normal	0.88	54.6/54.7	1.61
		70213	no	120/277	I	2	High	1.18	73/74	1.62/1.59
		SL-2/32IS-120 (70209)	no	120	I	2	Normal	0.88	56	1.60
		SL-2/32IS-277 (70200)	no	277	I	2	Normal	0.88	56	1.60
Robertson Worldwide	Sterling Series	ISL232T8HEMVL	yes	120/277	I	2	Low	0.77	48/47	1.60/1.64
		ISA232T8HEMV	yes	120/277	I	2	Normal	0.89	55	1.62
		ISA232T8HEMVH	yes	120/277	I	2	High	1.18	74/73	1.59/1.62
		ISA232T8HEMVL	yes	277	I	2	Low	0.78	48	1.63
		ISL232T8HEMV	yes	277	I	2	Normal	0.88	55	1.60
		ISS232T8HEMVH	yes	120/277	I	2	High	1.18/1.19	75/76	1.57
		ISU232T8HEMV	yes	120/277	I	2	Normal	.92/.93	58	1.58/1.60
		ISU232T8HEMVL	yes	120/277	I	2	Low	0.82	51	1.61
		ISS332T8HEMVH	yes	120/277	I	2	High	1.33/1.34	85	1.56/1.58
		ISS332T8HEMV	yes	120/277	I	2	High	1.01/1.03	64/65	1.58
		ISU232T8HEMVA	yes	120/277	I	2	Normal	0.92	58	1.59
		PSS232T8HEMV	yes	120/277	P	2	Normal	0.93	61	1.52
	-	PSA232T8HEMV	yes	120/277	P	2	Normal	0.88	58/56	1.52/1.57
		PSA232T8HEMH	yes	120/277	P	2	High	1.18	76/74	1.55/1.60
		PSL232T8HEMV	yes	120/277	P	2	Normal	0.88	60/59	1.47/1.49

HP 120 and 277 V T8 Ballasts

Manufacturer	Product Name	Model Number	NEMA ¹ Premium®	Voltage (V)	Ballast Type ²	Number of Lamps	Ballast Factor Range	Ballast Factor	Input Watts (W)	BEF ³
Sage Lighting Ltd	Sage	NLO232T8PIS	no	120	P	2	Normal	0.90	58	1.55
		NLU232T8PIS	no	120/277	P	2	Normal	0.90	58/59	1.55/1.53
		SLU232T8HPIS-ROHS	no	120/277	P	2	High	1.18/1.20	73	1.62/1.64
		NU232T8RS-ROHS	no	120/277	P	2	Normal	0.90	61	1.48
		NU240T8RS-ROHS	no	120	P	2	High	1.20	75	1.60
		SLU232T8HPIS-ROHS	no	120/277	I	2	High	1.18/1.20	73	1.62/1.64
		SU232T8LMCIS-ROHS	no	120/277	I	2	Low	0.78	48.9	1.60
SLI Lighting/Havells USA	SLI	E2-32-I-UV-H	no	120/277	I	2	High	1.18/1.20	73/74	1.62
		E2-32-I-UV-N	no	120/277	I	2	Normal	0.88	55	1.60
		E2-32-I-UV-L	no	120/277	I	2	Low	0.77	48	1.60
SOLA Canada Lighting & Power Inc	Sola	E-758-F-232-HL	no	120	I	2	High	1.16	74	1.57
		E-758-F-232SC	no	120	I	2	Normal	0.91	57	1.60
		E-758-U-232SC	no	120/277	I	2	Normal	0.94	58.5	1.61
Standard Products, Inc.	Gold Label	E232T8IS120/N	no	120	I	2	Normal	0.88	55	1.60
		E232T8IS120/N/BULK	no	120	I	2	Normal	0.88	55	1.60
		E232T8IS120/L	no	120	I	2	Low	0.78	48	1.63
		E232T8PS120-277/N/XTRM	no	120/277	P	2	High	1.20	75	1.60
		E232T8PS120-277/N/AS/BULK	no	120/277	P	2	Normal	0.88	57/56	1.54/1.57
		E232T8PS120-277/L/AS/BULK	no	120/277	P	2	Low	0.78	52/51	1.50/1.53
		E232T8IS120-277/L/AS/BULK	no	120/277	I	2	Low	0.77	48/47	1.60/1.64
		E232T8IS120-277/L/AS	no	120/277	I	2	Low	0.77	48/47	1.60/1.64
		E232T8PRS120-277/L	no	120/277	P	2	Low	0.71	47	1.51
		E232T8PRS120-277/N	no	120/277	P	2	Normal	0.88	56/55	1.57/1.60
		E232T8IS120-277/N/AS	no	120/277	I	2	Normal	0.89	55/54	1.62/1.65
		E232T8IS120-277/N/AS/BULK	no	120/277	I	2	Normal	0.89	55/54	1.62/1.65
		E232T8IS120/L/AS	no	120	I	2	Low	0.77	48	1.60
		E232T8IS120/L/AS/BULK	no	120	I	2	Low	0.77	48	1.60
		E232T8IS120/N/AS	no	120	I	2	Normal	0.87	55	1.58
		E232T8IS120/N/AS/BULK	no	120	I	2	Normal	0.87	55	1.58
	OptiStart	E232SPR120-277L	no	120/277	P	2	Low	.67/.70	42/44	1.60/1.59
Sunpark Electronics Corp.	HiLumen	U-2/32IS	yes	120/277	I	2	Normal	0.89	55.7	1.60
		U-2/32IS HBF	yes	120/277	I	2	High	1.17	74.9	1.56
	Ultra Lumen	U-2/32ISE	yes	120/277	I	2	Normal	0.89	54	1.65
		U-2/32ISE-HBF	yes	120/277	I	2	High	1.18	73	1.62
		U-2/32ISE-LBF	yes	120/277	I	2	Low	0.78	48	1.63
		U-2/32PSE	yes	120/277	P	2	Normal	0.88	56	1.57
		U-2/32PSE-LBF	no	120/277	P	2	Low	0.78	52/51	1.50/1.53
		U-2/32PSE-HBF	yes	120/277	P	2	High	1.15	71.6	1.61
Superior Lamps, Inc.	232IE/DV/10/50	BES832	no	120/277	I	2	Normal	0.89	56	1.59
	232IE/1227/30	BEL832	no	120/277	I	2	Normal	0.87	55	1.58
	Heavy Duty Electronic Ballast	BPS932	no	120/277	P	2	Normal	0.88	55	1.60
SwitchGenie, LLC.	SwitchGenie	SG232	no	120/277	I	2	Normal	0.88	54	1.63

Manufacturer	Product Name	Model Number	NEMA ¹ Premium®	Voltage (V)	Ballast Type ²	Number of Lamps	Ballast Factor Range	Ballast Factor	Input Watts (W)	BEF ³
Technical Consumer Products, Inc.	E32	E32IS32120H	no	120	I	2	High	1.22	77	1.58
		E32IS32277H	no	277	I	2	High	1.22	78	1.57
	E432	E432IS32120N	no	120	I	2	Normal	0.89	55.9	1.59
		E432IS32277N	no	277	I	2	Normal	0.99	63	1.58
		E432IS32120L	no	120	I	2	Low	0.79	49	1.60
		E432IS32120U	no	120	I	2	Low	0.72	44	1.62
		TCP2P32ISUNVLE	yes	277	I	2	Low	0.78	48	1.63
	-	TCP2P32ISUNVE	yes	120/277	I	2	Normal	0.89	55/54	1.62/1.65
		TCP2P32ISUNVHE	yes	120/277	I	2	High	1.18	74/73	1.60/1.62
		TCP2P321SUNVH	yes	120/277	I	2	High	1.18	73/72	1.61/1.64
		E2P32ISUNVHE	yes	120/277	I	2	High	1.18	73/72	1.61/1.64
		TCP2P32ISUNV	yes	120/277	I	2	Normal	0.88	54/53	1.63/1.66
		E2P32ISUNVE	yes	120/277	I	2	Normal	0.88	54/53	1.63/1.66
		TCP2P32ISUNVL	yes	120/277	I	2	Low	0.78	48	1.63
		E2P32ISUNVLE	yes	120/277	I	2	Low	0.78	48	1.63
		E3P32ISUNVE	yes	120/277	I	2	Normal	0.99	62	1.60
		E3P32ISUNVLE	yes	120/277	I	2	Normal	0.92	57	1.61
		E3P32ISUNVHE	yes	120/277	I	2	High	1.27	82/81	1.55/1.57
Topaz Lighting		B232IUNVHE/A-TPZ	yes	120/277	I	2	Normal	0.89	56	1.59
		B232IUNVHEH/A-TPZ	yes	120/277	I	2	High	1.18	76/75	1.55/1.57
		B232IUNVHP/B-TPZ	yes	120/277	I	2	Normal	0.89	56	1.59
TransPower Company	Energy Saving Ballast	APC 402 U	no	120/277	P	2	Normal	0.95	61	1.56
		APC 402 U	no	120/277	P	2	High	1.10	68	1.62
Ultrasave Lighting Ltd.	-	SR232120	no	120	P	2	Normal	0.88	55	1.60
		SR232277	no	277	P	2	Low	0.85	53	1.60
		ST232120	no	120	I	2	Normal	0.90	57	1.58
		ST232120E	no	120	I	2	Low	0.83	52	1.60
		SR232277E	no	277	I	2	Low	0.82	51	1.61
		UT232120MH	no	120/277	I	2	High	1.18	75	1.57
		UT232120M-HE	no	120/277	I	2	Normal	0.87	55	1.58
		UT332120M-HE	no	120/277	I	2	Normal	1.00	63	1.59
		PR232120M-HE	no	120/277	P	2	Normal	0.93	62	1.50
		UT232120ML-HE	no	120/277	I	2	Low	0.77	48	1.60
		UT332120MH-HE	no	120/277	I	2	High	1.26	81	1.56
		PR232120M-P-HE	no	120/277	P	2	Normal	0.87	56	1.55
		PR232120ML-P-HE	no	120/277	P	2	Low	0.70	46	1.52
		PR232120M-PP-HE	no	120/277	P	2	Normal	0.90	59	1.53
		eT232120M	no	120/277	I	2	Normal	0.89	56	1.58

HP 120 and 277 V T8 Ballasts

Manufacturer	Product Name	Model Number	NEMA ¹ Premium®	Voltage (V)	Ballast Type ²	Number of Lamps	Ballast Factor Range	Ballast Factor	Input Watts (W)	BEF ³
Universal Lighting Technologies	AccuStart8	B232IUNV104-A	yes	120/277	I	2	High	1.04	65/64	1.60/1.63
		B332PUNVHP-A	yes	120/277	P	2	Normal	0.99	64 / 63	1.55/1.57
		B232PUNVHP-A	yes	277	P	2	Normal	0.88	60	1.47
	Triad	B232IUNVHP-B	yes	277	I	2	Normal	0.88	55	1.60
		B332I120L-A	yes	120	I	2	Normal	0.92	58	1.59
	Ultim8	B332I277HE	yes	277	I	2	High	1.01	61	1.66
		B232PUNVHE-A	yes	120/277	P	2	Normal	0.88	56/55	1.57/1.60
		B232PUNVEL-A	yes	120/277	P	2	Low	0.71	47/46	1.51/1.54
		B332I120HE	yes	120	I	2	Normal	0.96	60	1.60
		B332IUNVEL-A	yes	277	I	2	Normal	0.89	56	1.59
		B232I120HE	yes	120	I	2	Normal	0.87	54	1.61
		B232I277HE	yes	277	I	2	Normal	0.87	53	1.64
		B232IUNVHE-A	yes	120/277	I	2	Normal	0.87	55 / 54	1.58/1.61
		B332I277EL	yes	277	I	2	Normal	0.87	55	1.58
		B332I120EL	yes	120	I	2	Normal	0.86	53	1.62
		B232I120EL	yes	120	I	2	Low	0.77	47	1.64
		B232I2770EL	yes	277	I	2	Low	0.77	47	1.64
		B232IUNVEL-A	yes	120/277	I	2	Low	0.77	48	1.60
		B232IUNVHEH-A	yes	120/277	I	2	High	1.18	74/73	1.59/1.61
		B232PUNVEL-A	yes	120/277	P	2	Low	0.71	47/46	1.51/1.54
		B232PUNVEL-B	yes	120/277	P	2	Low	0.71	46/44	1.54/1.61
		B232PUNVHE-A	yes	120/277	P	2	Normal	0.88	56/55	1.57/1.60
		B232PUNVHE-B	yes	120/277	P	2	Normal	0.88	55/54	1.60/1.63
HP T8 Qualified Ballasts with 3 Lamps										
ACCUPRO	High Efficiency	A*-332-IP-UNV	yes	277	I	3	Normal	0.88	83	1.06
		A*-332IP-H-UNV	no	120/277	I	3	High	1.18	112/109	1.05/1.08
		A*-332IP-L-UNV	no	120/277	I	3	Low	0.77	73	1.05
		AP-RC-432IP	yes	120	I	3	Normal	0.98	93	1.05
American Ballast	High Efficiency	AB3-32-IP-UNV-HE	yes	120/277	I	3	Normal	0.88	83	1.06
		AB3-32-IP-UNV-1	yes	120/277	I	3	Normal	0.88	83	1.06
		AB3-32-IP-UNV-HBF	yes	120/277	I	3	High	1.18	112/109	1.05/1.08
		AB3-32-IP-UNV-LX	yes	120/277	I	3	Low	0.77	73	1.05
Atlas Lighting Products, Inc.		EB332UIH	yes	120/277	I	3	High	1.18	108/106	1.09/1.11
		EB332UI	yes	120/277	I	3	Normal	0.87	83	1.05
Cooper Lighting	Ultim 8	AP-332ISUNV-R1-*	yes	277	I	3	Normal	0.88	83	1.06
DuroPower (BallastWise)	Ballastwise	DXE3H8	no	120	I	3	Normal	0.92	83	1.11
		DXE3H81	no	120	I	3	Normal	0.88	82	1.07
		DXE3H8U	no	120/277	I	3	Normal	0.88	83/82	1.06/1.07
		DXE3H8U-LBF	no	120/277	I	3	Low	0.77	73/72	1.06/1.07
		DXE3H8U-HBF	no	120/277	I	3	High	1.18	109/107	1.08/1.10
Dynamic Ballast	High Efficiency	DY 332 IS WV - HE	no	120/277	I	3	Normal	0.88	83	1.06
Energy Efficient Lighting Supply	High Efficiency	EEL-ISB-F32-3-MVOLT	no	120/277	I	3	Normal	.94/.96	89/91	1.06/1.05
Esen Technology, Inc.	Apollo	VE332120HIP	yes	120	I	3	Normal	0.88	84	1.05
		VE332120HIPH	yes	120	I	3	High	1.18	109	1.08
		VE432120HIPE	yes	120	I	3	Normal	1.00	94	1.06
	Elite	VE332MVIHPE	yes	277	I	3	Low	0.78	74	1.05
		VE332MVHIPE	yes	120/277	I	3	Normal	0.88	84/83	1.05/1.06
		VE332MVHIPHE	yes	120/277	I	3	High	1.17	110/108	1.06/1.08
		VE332MVHIPH	yes	120/277	I	3	High	1.18	109/107	1.08/1.10
		VE332MVHRPE	yes	120/277	P	3	Normal	0.88	87/85	1.01/1.03
		VE332MVHRPHE	yes	120/277	P	3	High	1.18	113/110	1.04/1.07
		VE432MVHIPE	yes	120/277	I	3	Normal	0.98	91/90	1.08/1.09

Manufacturer	Product Name	Model Number	NEMA ¹ Premium®	Voltage (V)	Ballast Type ²	Number of Lamps	Ballast Factor Range	Ballast Factor	Input Watts (W)	BEF ³
Fulham	Workhorse	WHSG3-UNV-T8-IS	no	277	I	3	Normal	0.88	83	1.06
		WHCG4-120-T8-IS	no	120	I	3	Normal	0.99	91	1.09
		WHSG3-UNV-T8-HB	no	120/277	I	3	High	1.18	109/107	1.08/1.10
		WHSG3-UNV-T8-LB	no	277	I	3	Low	0.78	74	1.05
		WHSG4-UNV-T8-HB	no	120/277	I	3	High	1.19	115/112	1.04/1.06
		WHSG4-UNV-T8-IS	no	277	I	3	Normal	0.96	89	1.08
Fusion Ballasts	Electronic ballasts	FB332MVE	no	120/277	I	3	Normal	0.90	86	1.05
		FB432MVE	no	120/277	I	3	Normal	0.99	92	1.08
		FB432MVE-HE	no	120/277	I	3	Normal	0.96	88	1.09
General Electric Company	Proline	GE-332-277-N	yes	277	I	3	Normal	0.88	84	1.05
	-	GE-332-MV-L	yes	120/277	I	3	Low	0.78	74/73	1.07
		GE-332-MV-N	yes	120/277	I	3	Normal	0.87	81/80	1.09
		GE-332-MV-H	yes	120/277	I	3	High	1.15	113/110	1.05
	Ultramax	GE-332-MAX-N+	yes	120/277	I	3	Normal	1.00	91/90	1.10/1.11
		GE-332-MAX-N-42T	yes	120/277	I	3	Normal	0.87	82/80	1.06/1.09
		GE-332-MAX-L-42T	yes	120/277	I	3	Low	0.77	72/71	1.07/1.08
		GE-332-MAX-H-42T	yes	120/277	I	3	High	1.18	106/104	1.11/1.13
		GE-332-MAX-H/Ultra	yes	120/277	I	3	High	1.18	1.06/1.04	1.11/1.13
		GE-332-MAX-L/Ultra	yes	120/277	I	3	Low	0.77	72/71	1.07/1.08
		GE-332-MAX-N/Ultra	yes	120/277	I	3	Normal	0.87	82 / 80	1.06/1.09
		GE-332-MVPS-L	yes	120/277	P	3	Low	0.71	68	1.04
	Ultrastart	GE-332-MVPS-N	yes	120/277	P	3	Normal	0.89	84	1.06
		GE-332-MV-PS-H	yes	120/277	P	3	High	1.15	110/108	1.04/1.06
		GE-332-120-PS-N	yes	120	P	3	Normal	0.89	84	1.06
		GE-332-277-PS-N	yes	277	P	3	Normal	0.89	85	1.05
		GE-332-277-PS-N	yes	277	P	3	Normal	0.89	85	1.05
Green Ballast Inc.	DHB	GB3T832ISNBF-U	no	120/277	I	3	Normal	0.88	84/83	1.05/1.06
		GB3T832DHB-U	no	120/277	P	3	Normal	0.88	86.5/85.5	1.02/1.03
Halco Lighting Technologies	ProLume	EP332IS/L/MV/HE	yes	120/277	I	3	Low	.78/.77	75/74	1.04
		EP332IS/MV/HE	yes	120/277	I	3	Normal	.87/.88	83/81	1.05/1.09
		EP332IS/H/MV/SL	yes	120/277	I	3	High	1.18	108	1.09
		EP432IS/L/MV/HE	yes	120/277	I	3	Normal	.87/.86	81/78	1.07/1.10
		EP432IS/MV/HE	yes	120/277	I	3	Normal	.94/.95	89/88	1.06/1.08
		EP432IS/L/MV/SL	yes	120/277	I	3	Low	0.84	79	1.06
		EP432PS/L/MV/HE	no	120/277	P	3	Low	.78/.79	78	1/1.01
Hatch Lighting	Hatch	HL432AIS/UV/HE/W	no	120/277	I	3	Normal	.87/.86	81/78	1.07/1.10
		HL432BIS/UV/HE/W	no	120/277	I	3	Normal	.94/.95	89/88	1.06/1.08
		HL332AIS/UV/HE/W	no	120/277	I	3	Normal	.78/.77	75/74	1.04
		HL332BIS/UV/HE/W	no	120/277	I	3	High	.87/.88	83/81	1.05/1.09
		HL332CIS/UV/HE/W	no	120/277	I	3	High	1.18	111/108	1.06/1.09
		HL332APS/UV/HE/W	no	120/277	P	3	Low	0.77	79	0.97
		HL332BPS/UV/HE/W	no	120/277	P	3	Normal	0.88	88	1.00
		HL332CPS/UV/HE/W	no	120/277	P	3	High	1.18	114	1.04
		HL432APS/UV/HE/W	no	120/277	P	3	Low	0.78/0.79	78	1.00/1.01
Howard Industries	HEX Electronic	E3/32IS-277 HEX	no	277	I	3	Normal	0.87	83	1.05
		E3/32IS-120 HEX	no	120	I	3	Normal	0.87	83	1.05
		EL3/32IS-120 HEX	no	120	I	3	Low	0.77	73	1.05
		EL3/32IS/MV/SC/HE	no	277	I	3	Low	0.75	71	1.06
		EL3/32IS-277 HEX	no	277	I	3	Low	0.77	73	1.05
		EP3/32IS/MV/SC/HE	no	120/277	I	3	Normal	0.87	82/80	1.06/1.09
	HE High Efficiency	EPH3/32IS/MV/SC/HE	no	120/277	I	3	High	1.15	110/107	1.05/1.07
		EPL4/32IS/MV/SC/HE	no	120/277	I	3	Low	0.84	80 / 79	1.05/1.06
		EPL3/32IS/MV/SC/HE	no	120/277	I	3	Low	0.75	72/71	1.04/1.06
		EP4/32IS/MV/SC/HE	no	277	I	3	Normal	0.92	88	1.05
	Micro Case	EP3/32IS/MV/MC	no	120/277	I	3	Normal	0.88	84/83	1.05/1.06
		EPL3/32IS/MV/MC	no	120/277	I	3	Low	0.78	75/74	1.04/1.05
		EPH3/32IS/MV/MC	no	120/277	I	3	High	1.18	109/107	1.08/1.10
	HE Micro Case	EP3/32IS/MV/MC/HE	no	120/277	I	3	Normal	0.88	84/83	1.05/1.06
		EP4/32IS/MV/MC/HE	no	277	I	3	Normal	0.96	89	1.08
		EPH3/32IS/MV/MC/HE	no	120/277	I	3	High	1.18	109/107	1.08/1.10
		EPL3/32IS/MV/MC/HE	no	120/277	I	3	Low	0.78	75/74	1.04/1.05
Jefferson Electric	Jefferson	401-4320-UNV	no	277	I	3	Normal	0.94	89	1.06

HP 120 and 277 V T8 Ballasts

Manufacturer	Product Name	Model Number	NEMA ¹ Premium®	Voltage (V)	Ballast Type ²	Number of Lamps	Ballast Factor Range	Ballast Factor	Input Watts (W)	BEF ³
Keystone Technologies	High Efficiency	KTEB-332EBF-UV-TP-PIC	no	120/277	I	3	Low	0.77	74	1.04
		KTEB-332HBF-UV-TP-PIC	no	120/277	I	3	High	1.18	108	1.09
	Premium Series	KTEB-332-UV-IS-L-P	yes	120/277	I	3	Low	.78/.77	75/74	1.04
		KTEB-332-UV-IS-N-P	yes	120/277	I	3	Normal	.87/.88	83/81	1.05/1.09
		KTEB-332-UV-PS-N-P	yes	120/277	P	3	Normal	0.88	88	1.00
		KTEB-332-UV-PS-L-P	yes	120/277	P	3	Low	0.77	79	0.97
		KTEB-332-UV-PS-H-P	yes	120/277	P	3	High	1.18	114	1.04
		KTEB-332-UV-IS-H-P	yes	120/277	I	3	High	1.18	111/108	1.06/1.09
Leviton	Zipline	3600C-#03	yes	120/277	I	3	Normal	0.89	85/83	1.05/1.07
		360RC-#03	yes	120/277	I	3	Normal	0.89	85/83	1.05/1.07
		3600C-#13	yes	120/277	I	3	Low	0.79	76/75	1.04/1.05
		360RC-#13	yes	120/277	I	3	Low	0.79	76/75	1.04/1.05
Lighting and Power Technologies	Deltek	DB-332H-MV-TP-HE	no	120/277	I	3	High	1.18	111/108	1.06/1.09
		DB-332N-MV-TP-HE	no	120/277	I	3	Normal	.87/.88	83/81	1.05/1.09
		DB-332L-MV-TP-HE	no	120/277	I	3	Low	.78/.77	75/74	1.04
	Watran	80212 - DB-332H-MV-TP-HE	no	120/277	I	3	High	1.18	108/106	1.09/1.11
		80213 - DB-332N-MV-TP-HE	no	120/277	I	3	Normal	0.88	84/83	1.05/1.06
		80214 - DB-332L-MV-TP-HE	no	277	I	3	Low	0.78	74	1.05
		80221 - DB-332N-MV-TP-PS-HL	no	120/277	P	3	Normal	0.88	87/85	1.01/1.04
Maintenance Engineering	Premira Electronic Ballast	BPM933	no	120/277	P	3	Normal	0.88	81	1.09
	332IE/1227/30	BEL733	no	277	I	3	Normal	0.88	84	1.05
	332IE/MV/10/50	BEM733	no	277	I	3	Normal	0.88	84	1.05
Maxlite	High Efficiency Ballast	SKEU324HE	no	120/277	I	3	Normal	0.96	89	1.08
		SKEU324HEL	no	120/277	I	3	Normal	0.86	80	1.08
		SKEU323HEL/SC	no	120	I	3	Low	0.78	74	1.05
		SKEU323HE/SC	no	120/277	I	3	Normal	0.88	84/83	1.05/1.06
		SKEU323HEH/SC	no	120/277	I	3	High	1.17	110/108	1.06/1.08
	Electronic Ballast	SKE1323/SC	no	120	I	3	Normal	0.88	84	1.05
		SKE1323H/SC	no	120	I	3	High	1.18	109	1.08
		SKEU323H/SC	no	120/277	I	3	High	1.18	109/107	1.08/1.10
		SKEU323L/SC	no	277	I	3	Low	0.78	74	1.05
		SKEU323/SC	no	120/277	I	3	Normal	0.88	85	1.04
		SKE1323	no	120	I	3	Normal	0.88	75	1.17
		SKE1324	no	120	I	3	Normal	0.96	91	1.06
		SKE1324L	no	120	I	3	Low	0.85	77	1.10
		SKEU1324L	no	120	I	3	Low	0.84	77	1.09
		SKEU323HER/SC	yes	120/277	P	3	Normal	0.88	87/85	1.01/1.04
		SKEU323HEHR/SC	yes	120/277	P	3	High	1.18	113/110	1.04/1.07

Manufacturer	Product Name	Model Number	NEMA ¹ Premium®	Voltage (V)	Ballast Type ²	Number of Lamps	Ballast Factor Range	Ballast Factor	Input Watts (W)	BEF ³
MW McWong International	Electronic Ballast	EB-332PRS-U-ES	yes	120/277	P	3	Normal	0.88	87/85	1.01/1.03
		EB-332IS-U-ES	yes	120/277	I	3	Normal	0.88	84/83	1.05/1.06
		EB-332IS-U-ES-LBF	yes	277	I	3	Low	0.78	74	1.05
		EB-332IS-U-ES-HBF	yes	120/277	I	3	High	1.18	108/106	1.09/1.11
Mylar Electronics Co, Ltd.	High Efficiency Ballast	U-3/32IS	no	120/277	I	3	Normal	0.95	88	1.08
		U-3/32IS HO	no	120/277	I	3	High	1.15	104	1.11
OSRAM SYLVANIA	Quicktronic	QHE 3X32T8/UNV ISH-SC	yes	120/277	I	3	High	1.18	111/109	1.06/1.08
		QHE 3X32T8/UNV ISH-HT-SC	no	120/277	I	3	High	1.18	111/109	1.06/1.08
		QHE 3x32T8/UNV-PSH-HT	yes	120/277	P	3	High	1.15	110/108	1.05/1.07
		QHE 3X32T8/UNV ISL-SC	yes	120/277	I	3	Low	0.78	73/72	1.08
		QHE 3X32T8/UNV ISL-SC1	yes	120/277	I	3	Low	0.77	73	1.05
		QHE 3X32T8/UNV ISN-SC	yes	120/277	I	3	Normal	0.88	83 / 82	1.06/1.07
		QHE 3X32T8/UNV ISN-SC1	yes	120/277	I	3	Normal	0.87	82/81	1.06/1.07
		QHE 4X32T8/UNV ISL-SC	yes	120/277	I	3	Low	0.85	80	1.06
		QHE 4X32T8/UNV ISN-SC	yes	120/277	I	3	Normal	0.96	90/89	1.07/1.08
		QHE 3X32T8/UNV PSN-SC	yes	120/277	P	3	Normal	0.88	83/82	1.06/1.07
		QTP 3X32T8/UNV PSN-SC	yes	120/277	P	3	Normal	0.88	88 / 85	1/1.04
		QTP 3X32T8/UNV PSX-SC	yes	120/277	P	3	Low	0.71	73/71	.97/1.00
		QTP 3X32T8/UNV ISH-SC	yes	120/277	I	3	High	1.18	114/111	1.04/1.06
		QTP 3X32T8/UNV ISN-SC	yes	277	I	3	Normal	0.88	84	1.05
		QTP 3X32T8/UNV ISL-SC	yes	277	I	3	Low	0.78	75	1.04
		QHE 3x32T8/UNV ISM-SC	yes	120/277	I	3	Medium	0.98	90/89	1.10
Philips - Advance	Centium	ICN-3P32-N	no	277	I	3	Normal	0.91	86	1.06
		ICN-3P32-SC	yes	277	I	3	Normal	0.88	84	1.05
		ICN-3P32-LW-SC	yes	120/277	I	3	Low	0.77	73	1.05
	Optanium	IOP-3P32-HL-90C-SC	yes	120/277	I	3	High	1.18	110/107	1.07/1.10
		IOP-3S32-SC	yes	120/277	P	3	Normal	0.88	83	1.06
		IOP-3P32-SC @ 120V	yes	120	I	3	Normal	0.87	82	1.06
		IOP-3P32-SC @ 277V	yes	277	I	3	Normal	0.87	80	1.09
		IOP-3P32-LW-SC @ 120V	yes	120	I	3	Low	0.77	73	1.05
		IOP-3P32-LW-SC @ 277V	yes	277	I	3	Low	0.77	71	1.08
		IOP-3P32-LW-N	no	120	I	3	Low	0.79	75	1.05
		IOP-3S32-LW-SC	yes	120/277	P	3	Low	0.71	72	0.99
		IOPA-3P32 LW-SC	yes	120/277	I	3	Low	0.77	73/71	1.05/1.08
		IOPA-3P32-SC	yes	120/277	I	3	Normal	0.87	82/80	1.06/1.09
		IOPA-3P32-HL-SC	yes	120/277	I	3	High	1.18	110/107	1.07/1.10
		IOPA-3P32-N	no	277	I	3	Normal	0.87	81	1.07
		IOPA-3P32-LW-N	yes	277	I	3	Low	0.80	74	1.08
		IOP-3PSP32-LW-SC	no	277	P	3	Low	0.71	71	1.00
		IOP-3PSP32-SC	yes	120/277	P	3	Normal	0.88	84/85	1.05/1.04
		IOP-3PSP32-HL-SC	no	277	P	3	High	1.18	110	1.07
		IOPA-4P32-HL	yes	120/277	I	3	High	1.29	122/120	1.06/1.08

HP 120 and 277 V T8 Ballasts

Manufacturer	Product Name	Model Number	NEMA ¹ Premium®	Voltage (V)	Ballast Type ²	Number of Lamps	Ballast Factor Range	Ballast Factor	Input Watts (W)	BEF ³
P.Q.L., Inc.	Superior Life	70204	no	120/277	I	3	Normal	0.88	84/83	1.05/1.06
		70205	no	120/277	I	3	Normal	0.88	84/83	1.05/1.06
		70208	no	120/277	I	3	Normal	0.88/0.90	83 / 86	1.06/1.05
		70211	no	120/277	P	3	Normal	0.94/0.96	89 / 91	1.06/1.05
		70214	no	120/277	I	3	High	1.28/1.31	109/111	1.17/1.18
		70220	no	120/277	I	3	Normal	0.85	76 / 77	1.12/1.10
		SL-3/32IS-120 (70212)	no	120	I	3	Normal	0.88	84	1.05
		SL-3/32IS-277 (70203)	no	277	I	3	Normal	0.88	84	1.05
Robertson Worldwide	Sterling Series	ISA332T8HEMV	yes	120/277	I	3	Normal	0.88	84/83	1.05/1.06
		ISA332T8HEMVH	yes	120/277	I	3	High	1.18	108/106	1.09/1.11
		ISA332T8HEMVL	yes	277	I	3	Low	0.78	74	1.05
		ISL332T8HEMVL	yes	120/277	I	3	Low	0.77	73/72	1.05/1.07
		ISL332T8HEMV	yes	120/277	I	3	Normal	0.88	83/81	1.06/1.09
		ISS332T8HEMVL	yes	120/277	I	3	Low	.80/.81	76/77	1.05
		ISS332T8HEMVH	yes	120/277	I	3	High	1.16/1.17	110/111	1.05
		ISS332T8HEMV	yes	120/277	I	3	Normal	0.92	85/86	1.08/1.07
		ISS432T8HEMVL	yes	120/277	I	3	Low	.84/.85	80	1.05/1.06
	-	ISS432T8HEMV	yes	120/277	I	3	Normal	0.97	90/91	1.08/1.07
Sage Lighting Ltd	Sage	PSL432T8HEMV	yes	277	P	3	Normal	.98/.99	95	1.03/1.04
		-	-	-	-	-	-	-	-	-
SLI Lighting/Havells USA	SLI	SAU440IS-ROHS	no	120	P	3	Normal	0.91	89	1.02
		SAU440HPIS-ROHS	no	120/277	I	3	High	1.43	117	1.22
		E3-32-I-UV-L	no	120/277	I	3	Low	0.78	73	1.07
		E3-32-I-UV-N	no	120/277	I	3	Normal	0.88	83	1.06
		E3-32-I-UV-H	no	120/277	I	3	High	1.18	104	1.13
		E4-32-I-UV-H	no	120/277	I	3	High	1.28/1.31	109/111	1.17/1.18
		E4-32-I-UV-L	no	120/277	I	3	Low	0.85	76/77	1.12/1.10
		E4-32-I-UV-N	no	120/277	I	3	Normal	0.94/0.96	89/91	1.06/1.05
SOLA Canada Lighting & Power Inc	Sola	E-4-32-I-120V-N	no	120	I	3	Normal	0.94	89	1.06
		E-4-32-P-UV-N	no	120/277	P	3	Normal	0.94	89	1.06
Standard Products, Inc.	Gold Label	E-758-F-332	no	120	I	3	Normal	0.86	82	1.05
		E332T8IS120/N	no	120	I	3	Normal	0.90	83	1.08
		E332T8IS120/L	no	120	I	3	Low	0.78	73	1.07
		E332T8IS120/L/BULK	no	120	I	3	Low	0.78	73	1.07
		E332T8IS120/L/90C/BULK	no	120	I	3	Low	0.77	73	1.05
		E332T8IS120/N/AS	no	120	I	3	Normal	0.87	82	1.06
		E432T8IS120/L	no	120	I	3	Low	0.85	80	1.06
		E432T8IS120/N	no	120	I	3	Normal	0.97	88	1.10
		E432T8IS120/N/BULK	no	120	I	3	Normal	1.00	93	1.08
		E432T8IS120-277/N	no	120/277	I	3	Normal	0.94	89	1.06
		E432T8IS120/L/BULK	no	120	I	3	Low	0.85	80	1.06
		E432T8IS120/H	no	120	I	3	High	1.15	109	1.06
		E432T8IS120/H/90C	no	120	I	3	High	1.15	109	1.06
		E432T8PS120-277/L/AS/BULK	no	120/277	P	3	Low	0.76	78	0.97
		E432T8PS120-277/N/AS/BULK	no	120/277	P	3	Normal	0.94/0.96	89/91	1.06/1.05
		E432T8IS120-277/N/AS	no	120/277	I	3	Normal	0.98	91/90	1.08/1.09
		E432T8IS120-277/N/AS/BULK	no	120/277	I	3	Normal	0.98	91/90	1.08/1.09
	Optistart	E432T8PRS120-277/N	no	120/277	P	3	Normal	0.94	89	1.06
		E432T8PRS120-277/L	no	120/277	P	3	Normal	0.87	78	1.12

HP 120 and 277 V T8 Ballasts

Manufacturer	Product Name	Model Number	NEMA ¹ Premium®	Voltage (V)	Ballast Type ²	Number of Lamps	Ballast Factor Range	Ballast Factor	Input Watts (W)	BEF ³
Sunpark Electronics Corp.	HiLumen	U-3/32IS HPF	yes	120/277	I	3	Normal	0.89	82.9	1.07
		U-3/32IS HBF	yes	120/277	I	3	High	1.17	109.8	1.07
	Ultra Lumen	U-3/32ISE	yes	120/277	I	3	Normal	0.88	83	1.06
		U-3/32ISE-HBF	yes	120/277	I	3	High	1.18	106	1.11
		U-3/32ISE-LBF	yes	120/277	I	3	Low	0.78	74	1.05
		U-3/32PSE	no	120/277	P	3	Normal	0.88	85	1.04
		U-3/32PSE-HBF	no	120/277	P	3	High	1.18	110	1.07
		U-332PS3	no	277	P	3	Normal	1.00	100	1.00
		U-332PS3-HBF	no	120/277	P	3	High	1.15	115/111	1.00/1.04
Superior Lamps, Inc.	332IE/DV/10/50	BEST33	no	277	I	3	Normal	0.88	84	1.05
	332IE/1227/30	BEL733	no	277	I	3	Normal	0.88	84	1.05
	Heavy Duty Electronic Ballast	BPS933	no	120/277	P	3	Normal	0.88	81	1.09
SwitchGenie, LLC.	SwitchGenie	SG332	no	120/277	I	3	Normal	0.88	81	1.09
Technical Consumer Products, Inc.	E32	E32IS32120H	no	120	I	3	High	1.20	114	1.05
		E32IS32277H	no	277	I	3	High	1.18	112	1.06
	E432	E432IS32120N	no	120	I	3	Normal	0.87	80	1.08
		E432IS32277N	no	277	I	3	Normal	0.95	89	1.07
		E432IS32120L	no	120	I	3	Low	0.84	78	1.07
		E432IS32120U	no	120	I	3	Low	0.77	72	1.07
		E432IS32277L	no	277	I	3	Low	0.82	77	1.07
		E432IS32277U	no	277	I	3	Low	0.77	71	1.08
		TCP3P32ISUNVLE	yes	277	I	3	Low	0.78	74	1.05
	-	TCP3P2ISUNVE	yes	120/277	I	3	Normal	0.88	84/83	1.05/1.06
		TCP3P32ISUNVHE	yes	120/277	I	3	High	1.18	108/106	1.09/1.11
		TCP3P32ISUNVH	yes	120/277	I	3	High	1.18	109/107	1.08/1.10
		E3P32ISUNVHE	yes	120/277	I	3	High	1.18	109/107	1.08/1.10
		TCP3P32ISUNV	yes	120/277	I	3	Normal	0.88	84/83	1.05/1.06
		E3P32ISUNVE	yes	120/277	I	3	Normal	0.88	84/83	1.05/1.06
		TCP3P32ISUNVL	yes	120/277	I	3	Low	0.78	75/74	1.04/1.05
		E3P32ISUNVLE	yes	120/277	I	3	Low	0.78	75/74	1.04/1.05
		E4P32ISUNVLE	yes	120/277	I	3	Normal	0.86	78/77	1.10/1.12
		E4P32ISUNVE	yes	120/277	I	3	Normal	0.94	89	1.06
		E4P32ISUNVHE	yes	120/277	I	3	High	1.27	122/120	1.04/1.06
		B332IUNVHP/A-TPZ	yes	120/277	I	3	Normal	0.88	83	1.06
Topaz Lighting										
Topstar International Inc.	T8 Electronic Ballast	BB-T8/UVH-4x32/HPF	no	120	I	3	Normal	0.90	84	1.07
		BB-T8/UVH-3x32/HPF	no	120	I	3	Normal	0.86	81	1.06
Ultrasave Lighting Ltd.	-	UT332120	no	120	I	3	Normal	0.89	83	1.07
		UT332120M	no	120/277	I	3	Normal	0.89	83	1.07
		UT332120MH	no	120/277	I	3	High	1.18	110	1.07
		UT432120	no	120	I	3	Normal	1.00	93	1.08
		UT432120M	no	120/277	I	3	Normal	1.00	93	1.08
		eT332120M	no	120/277	I	3	Normal	0.90	86	1.05
		eT432120M	no	120/277	I	3	Normal	0.99	92	1.08
		GTL432120	no	120	I	3	Normal	0.91	86	1.06
		UT432120L	no	120	I	3	Low	0.82	78	1.05
		UT432120M-HE	no	120/277	I	3	Normal	0.96	88	1.09
		UT332120M-HE	no	120/277	I	3	Normal	0.87	82	1.06
		UT332120MH-HE	no	120/277	I	3	High	1.13	108	1.05
		UT332120ML-HE	no	120/277	I	3	Low	0.76	73	1.04
		UT332120ML	no	120/277	I	3	Low	0.79	76	1.04
		PR432120M-PP-HE	no	120/277	P	3	Normal	0.95	89	1.07

HP 120 and 277 V T8 Ballasts

Manufacturer	Product Name	Model Number	NEMA ¹ Premium®	Voltage (V)	Ballast Type ²	Number of Lamps	Ballast Factor Range	Ballast Factor	Input Watts (W)	BEF ³
Universal Lighting Technologies		ES1720B	yes	120/277	I	3	Normal	0.87	80/82	1.09/1.06
	AccuStart8	B432PUNVHP-A	yes	120/277	P	3	Normal	0.93	92/90	1.01/1.03
	Triad	B332I120RHH	yes	120	I	3	High	1.18	113	1.04
		B332I277RHH	yes	277	I	3	High	1.18	113	1.04
		B332I277RHU-A	yes	277	I	3	High	1.08	102	1.06
		B332IUNVHP-A	yes	277	I	3	Normal	0.88	83	1.06
		B432IUNVHP-A	yes	277	I	3	Normal	0.94	89	1.06
	Ultim8	B432I277HEH	yes	277	I	3	High	1.28	119	1.08
		B332I120HE	yes	120	I	3	Normal	0.87	80	1.09
		B332I277HE	yes	277	I	3	Normal	0.87	79	1.10
		B432I120HE	yes	120	I	3	Normal	0.96	88	1.09
		B432I277HE	yes	277	I	3	Normal	0.96	89	1.08
		B332IUNVHE-A	yes	120/277	I	3	Normal	0.87	83 / 81	1.05/1.07
		B432I120EL	yes	120	I	3	Low	0.84	79	1.06
		B332IUNVHEH-A	yes	120/277	I	3	High	1.18	111/108	1.06/1.09
		B332PUNVEL-A	yes	120/277	P	3	Low	0.71	70/69	1.01/1.03
		B332PUNVHE-A	yes	120/277	P	3	Normal	0.88	84/82	1.05/1.07
		B432IUNVHE-A	yes	120/277	I	3	Normal	0.96	84/82	1.14/1.17
		B432I277EL	yes	277	I	3	Normal	0.87	76	1.14
		B432I120EL	yes	120	I	3	Normal	0.85	73	1.16
		B332I120EL	yes	120	I	3	Low	0.77	70	1.10
B332IUNVEL-A		yes	120/277	I	3	Low	0.77	74 / 73	1.04/1.05	
HP T8 Qualified Ballasts with 4 Lamps										
ACCUPRO	High Efficiency	A*-432-IP-UNV	yes	277	I	4	Normal	0.88	108	0.81
		A*-432IP-H-UNV	no	120/277	I	4	High	1.18	147/144	.80/.82
		A*-432IP-L-UNV	no	120/277	I	4	Low	0.77	96	0.80
American Ballast	High Efficiency	AB4-32-IP-UNV-HE	yes	120/277	I	4	Normal	0.88	109	0.81
		AB4-32-IP-UNV-1	yes	120/277	I	4	Normal	0.88	109	0.81
		AB4-32-IP-UNV-HBF	yes	120/277	I	4	High	1.18	147/144	.80/.82
		AB4-32-IP-UNV-LX	yes	120/277	I	4	Low	0.77	96	0.80
Atlas Lighting Products, Inc.	-	EB432UIH	yes	120/277	I	4	High	1.18	140/134	.86/.90
		EB432UI	yes	120/277	I	4	Normal	0.87	109	0.80
Cooper Lighting	Ultim 8	AP-432ISUNV-R1-*	yes	277	I	4	Normal	0.88	108	0.81
DuroPower (BallastWise)	Ballastwise	DXE4H8	no	120	I	4	Normal	0.92	111	0.83
		DXE4H81	no	120	I	4	Normal	0.88	108	0.81
		DXE4H8U	no	120/277	I	4	Normal	0.88	109/107	.81/.82
		DXE4H8U-LBF	no	120/277	I	4	Low	0.77	96/94	0.80/0.82
		GB432T8DHBU	no	120/277	P	4	Normal	0.88	115/112	0.77/0.79
Dynamic Ballast	High Efficiency	DY 432 JS WV - HE	no	120/277	I	4	Normal	0.88	106	0.83
Eiko	Power Master	PM-4X32T8-UNV-IS	no	120/277	I	4	Normal	.88/.87	110/106	0.80/0.82
Energy Efficient Lighting Supply	High Efficiency	EEL-ISB-F32-4-MVOLT	no	120/277	I	4	Normal	.87/.88	106/108	.82/.81
Eспен Technology, Inc.	Elite	VE432MVHIPL	yes	120/277	I	4	Low	0.77	98/96	0.79/0.80
		VE432MVHIPE	yes	120/277	I	4	Normal	0.88	110/108	0.80/0.81
		VE432MVHIPHE	yes	120/277	I	4	High	1.16	145/144	0.80/0.81
		VE432MVHIPH	yes	120/277	I	4	High	1.16	145	0.80
		VE432MVHIPL	yes	120/277	I	4	Low	0.77	98/96	0.79/0.80
	Apollo	VE432120HIPE	yes	120	I	4	Normal	0.88	110	0.80

Manufacturer	Product Name	Model Number	NEMA ¹ Premium®	Voltage (V)	Ballast Type ²	Number of Lamps	Ballast Factor Range	Ballast Factor	Input Watts (W)	BEF ³
Fulham	Workhorse	WHS4-UNV-T8-IS	no	277	I	4	Normal	0.88	108	0.81
		WHS4-UNV-T8-LB	no	120/277	I	4	Low	.79/.80	98/96	.81/.83
		WHC4-277-T8-IS	no	277	I	4	Normal	0.89	110	0.81
		WHS4-UNV-T8-HB	no	120/277	I	4	High	1.16	145/144	.80/.81
Fusion Ballasts	Electronic ballasts	FB432MVE	no	120/277	I	4	Normal	0.87	108	0.81
		FB432MVE-HE	no	120/277	I	4	Normal	0.86	106	0.81
General Electric Company	Proline	GE-432-MV-L	yes	120/277	I	4	Low	0.80	100/98	.80/.82
		GE-432-MV-N	yes	120/277	I	4	Normal	0.88	110	0.80
		GE-432-MV-H	yes	120/277	I	4	High	1.18	146/143	.81/.83
	Ultramax	GE-432-MAX-H/Ultra	yes	120/277	I	4	High	1.18	148/145	.80/.81
		GE-432-MAX-N/Ultra	yes	120/277	I	4	Normal	0.87	108/106	.81/.82
		GE-432-MAX-L/Ultra	yes	120/277	I	4	Low	0.77	97/95	.79/.81
		GE-432-MAX-N+	yes	120/277	I	4	Normal	1.00	121	0.83
		GE-432-MAX-N-42T	yes	120/277	I	4	Normal	0.87	108/106	.81/.82
		GE-432-MAX-L-42T	yes	120/277	I	4	Low	0.77	97/95	.79/.81
		GE-432-MAX-H-42T	yes	120/277	I	4	High	1.15	148/145	.80/.81
	Ultrastart	GE-432-277-PS-N	yes	277	I	4	Normal	0.88	110	0.80
		GE-432-120-PS-N	yes	120	P	4	Normal	0.89	112	0.79
		GE-432-MVPS-N	yes	120/277	P	4	Normal	0.89	114/112	.78/.79
		GE-432-MVPS-L	yes	120/277	P	4	Low	0.71	88	0.81
		GE-432-MVPS-H	yes	120/277	P	4	High	1.16	144	0.81
		GE-432-277-N	yes	277	I	4	Normal	0.88	110	0.80
Green Ballast Inc.	DHB	GB4T832DHB-U	no	120/277	P	4	Normal	0.88	115/112	0.77/0.79
		GB4T832ISNBF-U	no	120/277	I	4	Normal	0.88	109/108	0.81/0.81
Halco Lighting Technologies	ProLume	EP432IS/L/MV/HE	yes	120/277	I	4	Low	.78/.77	98/96	0.80
		EP432IS/MV/HE	yes	120/277	I	4	Normal	.88/.87	110/106	.80/.82
		EP432IS/L/MV/SL	yes	120/277	I	4	Low	0.77	96	0.80
		EP432PS/MV/HE	no	120/277	P	4	Normal	0.86	114	0.75
		EP432PS/L/MV/HE	no	120/277	P	4	Low	0.74	97	0.76
Hatch Lighting	Hatch	HL432AIS/UV/HE/W	no	120/277	I	4	Normal	.78/.77	98/96	.80/.80
		HL432BIS/UV/HE/W	no	120/277	I	4	Normal	.88/.87	110/106	.80/.82
		HL432APS/UV/HE/W	no	120/277	P	4	Low	0.74	97	0.76
		HL432BPS/UV/HE/W	no	120/277	P	4	Normal	0.86	114	0.75
Howard Industries	HEX Electronic	E4/32IS-120HEX	no	120	I	4	Normal	0.87	109	0.80
		E4/32IS-277HEX	no	277	I	4	Normal	0.87	109	0.80
		EL4/32IS-120HEX	no	120	I	4	Low	0.77	98	0.79
		EL4/32IS-277HEX	no	277	I	4	Low	0.77	96	0.80
		EPL4/32IS/MV/SC/HE	no	120/277	I	4	Low	0.75	95 / 94	0.80
	HE High Efficiency	EL4/32IS/MV/SC/HE	no	277	I	4	Low	0.75	94	0.80
		EP4/32IS/MV/SC/HE	no	120/277	I	4	Normal	0.87	109/107	.80/.81
		EP4/32IS/MV/MC	no	120/277	I	4	Normal	0.88	110/108	.80/.81
	Micro Case	EPL4/32IS/MV/MC	no	120/277	I	4	Low	0.77	98/96	.79/.80
		EP4/32IS/MV/MC/HE	no	120/277	I	4	Normal	0.88	110/108	.80/.82
		EPL4/32IS/MV/MC/HE	no	120/277	I	4	Low	0.77	98/96	.79/.80
Jefferson Electric	Small Case Jefferson	EPH4/32IS/MV/SC	no	120/277	I	4	High	1.16	145/144	.80/.81
		401-4320-UNV	no	277	I	4	Normal	0.88	108	0.81
Keystone Technologies	High Efficiency	KTEB-432EBF-UV-TP-PIC	no	120/277	I	4	Low	0.77	96	0.80
	Premium Series	KTEB-432-UV-IS-L-P	yes	120/277	I	4	Low	.78/.77	98/96	0.80
		KTEB-432-UV-IS-N-P	yes	120/277	I	4	Normal	.88/.87	110/106	.80/.82
		KTEB-432-UV-PS-N-P	yes	120/277	P	4	Normal	0.87	114	0.76
		KTEB-432-UV-PS-L-P	yes	120/277	P	4	Low	0.74	97	0.76
		KTEB-432-1-IS-N-P	yes	120	I	4	Normal	0.88	108	0.81

Manufacturer	Product Name	Model Number	NEMA ¹ Premium®	Voltage (V)	Ballast Type ²	Number of Lamps	Ballast Factor Range	Ballast Factor	Input Watts (W)	BEF ³
Leviton	Zipline	3600C-#04	yes	120/277	I	4	Normal	0.89	111/110	0.80/0.81
		3600C-#14	yes	120/277	I	4	Low	0.81	102/100	0.79/0.81
Lighting and Power Technologies	Deltek	DB-432L-MV-TP-HE	no	120/277	I	4	Low	.78/.77	98/96	0.80
		DB-432N-MV-TP-HE	no	120/277	I	4	Normal	.88/.87	110/106	.80/.82
	Watran	80215 - DB-432N-MV-TP-HE	no	120/277	I	4	Normal	0.88	110/108	0.80/0.81
		80216 - DB-432L-MV-TP-HE	no	120/277	I	4	Low	0.77	98/96	0.79/0.80
		80229 - DB-432H-MV-TP-HE	no	120/277	I	4	High	1.16	145/144	0.80/0.81
Maintenance Engineering	Premira Electronic Ballast	BPM934	no	120/277	P	4	Normal	0.87	110	0.79
	432IE/1227/30	BEL734	no	120/277	I	4	Normal	0.88/0.87	110/106	0.80/0.82
	432IE/MV/10/50	BEM734	no	120/277	I	4	Normal	0.89	111	0.80
	432IE/MV/IS	B1M734	no	120/277	I	4	Normal	0.88/0.87	110/106	0.80/0.82
		B1L734	no	120/277	I	4	Normal	0.88/0.87	110/106	0.80/0.82
Maxlite	Anti-Striation	SKEU324AS	no	120/277	I	4	Normal	0.88	88	1.00
		SKEU324L/SC	no	120/277	I	4	Low	0.77	98/96	.79/.80
	Electronic Ballasts	SKEU324/SC	no	277	I	4	Normal	0.88	108	0.82
		SKEU324H/SC	no	120/277	I	4	High	1.16	145	0.80
	High Efficiency Ballast	SKEU324HE	no	120/277	I	4	Normal	0.88	109	0.81
		SKEU324HEH/SC	no	120/277	I	4	High	1.16	145/144	0.80
		SKEU324HEL/SC	no	120/277	I	4	Low	0.77	98/96	.79/.80
		SKEU324HE/SC	no	120/277	I	4	Normal	0.88	110/108	.80/.82
		SKEU324HEL	no	120/277	I	4	Low	0.77	95	0.81
MW McWong International	Electronic Ballast	EB-432IS-U-ES	yes	120/277	I	4	Normal	0.88	110/108	.80/.81
		EB-432IS-U-ES-LBF	yes	120/277	I	4	Low	0.77	98/96	.79/.80
		EB-432IS-U-ES-HBF	yes	120/277	I	4	High	1.16	145/144	.80/.81
Mylar Electronics Co, Ltd.	High Efficiency Ballast	U-4/32IS	no	120/277	I	4	Normal	0.90	110	0.82
OSRAM SYLVANIA	Quicktronic	QHE4x32T8/UNV ISH	yes	120/277	I	4	High	1.15	144/141	0.80/0.82
		QHE4x32T8/277 ISH	no	277	I	4	High	1.15	148	0.78
		QHE 4X32T8/UNV ISL-SC	yes	120/277	I	4	Low	0.78	95	0.82
		QHE 4X32T8/UNV ISL-SC-1	yes	120/277	I	4	Low	0.77	96	0.80
		QHE 4X32T8/UNV ISN-SC	yes	120/277	I	4	Normal	0.88	108/107	0.81/0.82
		QHE 4X32T8/UNV ISN-SC-1	yes	120/277	I	4	Normal	0.87	109/107	.80/.81
		QHE 4x32T8/UNV-PSH-HT	yes	120/277	P	4	High	1.15	143/141	.80/.82
		QHE 4x32T8/UNV-PSN-SC	yes	120/277	P	4	Normal	0.88	111/108	.79/.81
		QTP 4X32T8/UNV PSN-SC	yes	120/277	P	4	Normal	0.88	118/113	.75/.78
		QTP 4X32T8/UNV PSX-SC	yes	120/277	P	4	Low	0.71	93/91	.76/.78
		QTP 4X32T8/UNV ISL-SC	yes	120/277	I	4	Low	0.78	98	0.80
		QTP 4X32T8/UNV ISN-SC	yes	277	I	4	Normal	0.88	110	0.80
		QHE 4x32T8/UNV ISM-SC	yes	120/277	I	4	Medium	0.98	122/120	0.80/0.82
Philips - Advance	Centium	ICN-4P32-N	yes	120/277	I	4	Normal	0.89	111	0.80
		ICN-4P32-LW-SC	yes	120/277	I	4	Low	0.77	95	0.81
		ICN-4P32-SC	yes	120/277	I	4	Normal	0.89	111	0.80
	Optanium	IOP-4P32-HL-90C-G	yes	120/277	I	4	High	1.18	148/144	0.80/0.82
		IOP-4S32-SC	yes	120/277	P	4	Normal	0.88	109	0.81
		IOP-4P32-SC @ 120V	yes	120	I	4	Normal	0.87	108	0.81
		IOP-4P32-SC @ 277V	yes	277	I	4	Normal	0.87	106	0.82
		IOP-4P32-LW-SC @ 120V	yes	120	I	4	Low	0.77	97	0.79
		IOP-4P32-LW-SC @ 277V	yes	277	I	4	Low	0.77	95	0.81
		IOP-4S32-LW-SC	yes	120/277	P	4	Low	0.71	92	0.77
		IOP-4P32-N	yes	277	I	4	Normal	0.88	108	0.81
		IOP-4P32-LW-N	yes	277	I	4	Low	0.78	96	0.81
		IOPA-4P32-LW-N	no	277	I	4	Low	0.74	94	0.79
		IOPA-4P32-LW-SC	yes	120/277	I	4	Low	0.77	94	0.82
		IOPA-4P32-SC	yes	120/277	I	4	Normal	0.87	106	0.82
		IOP-4PSP32-LW-SC	no	277	P	4	Low	0.71	93	0.76
		IOP-4PSP32-SC	no	120/277	P	4	Normal	0.88	109/110	.81/.80
		IOPA-4P32-HL	yes	120/277	I	4	High	1.18	152/148	.78/.80
		IOPA-4P32-HL-SC	no	277	I	4	High	1.18	145	0.81
		IOP-4PSP32-HL-G	no	120/277	P	4	High	1.18/1.17	153/149	0.77/0.79

HP 120 and 277 V T8 Ballasts

Manufacturer	Product Name	Model Number	NEMA ¹ Premium®	Voltage (V)	Ballast Type ²	Number of Lamps	Ballast Factor Range	Ballast Factor	Input Watts (W)	BEF ³
Power Electronics & Systems, Inc.	Electronic Ballast, 4 lamps, HPF	PES 120ET8-12HSMT-4	no	120	I	4	Normal	0.96	110	0.87
P.Q.L., Inc.	Superior Life	70204	no	120/277	I	4	Normal	0.87	109/107	.80/.81
		70205	no	120	I	4	Normal	0.87	109/107	.80/.81
		70211	no	120/277	P	4	Normal	0.87/0.88	106/104	.82/.85
		70214	no	120/277	I	4	High	1.20	140/134	.86/.90
		70220	no	120/277	I	4	Low	0.78	95 / 96	.82/.81
		SL-4/32IS-120 (70212)	no	120	I	4	Normal	0.88	110	0.80
		SL-4/32IS-277 (70203)	no	277	I	4	Normal	0.88	110	0.80
Robertson Worldwide	Sterling Series	ISA432T8HEMV	yes	120/277	I	4	Normal	0.88	110/108	.80/.82
		ISA432T8HEMVL	yes	120/277	I	4	Low	0.77	98/96	.79/.80
		ISL432T8HEMVL	yes	120/277	I	4	Low	0.77	95/94	0.81/0.82
		ISL432T8HEMV	yes	120/277	I	4	Normal	0.88	110/108	0.80/0.81
		ISS432T8HEMVL	yes	120/277	I	4	Low	0.79	98	0.81
		ISS432T8HEMV	yes	120/277	I	4	Normal	0.90	110/111	.82/.81
	-	PSL432T8HEMV	yes	120/277	P	4	Normal	.90/.91	114	.79/.80
Sage Lighting Ltd	Sage	SAU440IS-ROHS	no	120/277	P	4	Normal	0.88	107	0.82
		SAU440HPIS-ROHS	no	120/277	I	4	High	1.33	143	0.93
SLI Lighting/Havells USA	SLI	E4-32-I-UV-L	no	120/277	I	4	Low	0.78	95/96	0.82/0.81
		E4-32-I-UV-N	no	120/277	I	4	Normal	0.87/0.88	106/108	0.82/0.81
		E4-32-I-UV-H	no	120/277	I	4	High	1.20	140/134	.86/.90
		E4-32-I-120V-N	no	120	I	4	Normal	0.87	106	0.82
SOLA Canada Lighting & Power Inc	Sola	E-758-F-432SC	no	120	I	4	Normal	0.91	112	0.81
		E-758-U-432SC	no	120/277	I	4	Normal	0.91	13	0.81
Standard Products, Inc.	Gold Label	E432T8IS120/L	no	120	I	4	Low	0.78	95	0.82
		E432T8IS120/L/AS	no	120	I	4	Low	0.77	96	0.80
		E432T8IS120/L/AS/BULK	no	120	I	4	Low	0.77	96	0.80
		E432T8IS120/N	no	120	I	4	Normal	0.85	105	0.81
		E432T8IS120/N/AS	no	120	I	4	Normal	0.88	109	0.81
		E432T8IS120/N/AS/BULK	no	120	I	4	Normal	0.88	109	0.81
		E432T8IS120-277/N	no	120/277	I	4	Normal	0.88	106	0.83
		E432T8IS120/N/BULK	no	120	I	4	Normal	0.88	108	0.81
		E432T8IS120/L/BULK	no	120	I	4	Low	0.78	95	0.82
		E432T8IS120/H	no	120	I	4	High	1.15	109	1.06
		E432T8IS120/H/90C	no	120	I	4	High	1.10	140	0.79
		E432T8PS120-277/N/AS/BULK	no	120/277	P	4	Normal	0.87	110/109	0.79/0.80
		E432T8PS120-277/L/AS/BULK	no	120/277	P	4	Low	0.71	93/92	0.76/0.77
		E432T8IS120-277/N/AS	no	120/277	I	4	Normal	0.88	110/108	0.80/0.81
		E432T8IS120-277/N/AS/BULK	no	120/277	I	4	Normal	0.88	110/108	0.80/0.81
		E432T8IS120-277/L/AS	no	120/277	I	4	Low	0.77	98/96	0.79/0.80
		E432T8IS120-277/L/AS/BULK	no	120/277	I	4	Low	0.77	98/96	0.79/0.80
	Optistart	E432T8PRS120-277/L	no	120/277	P	4	Low	0.77	101	0.77
Sunpark Electronics Corp.	HiLumen	U-4/32IS HPF	yes	120/277	I	4	Normal	0.88	109	0.81
		U-4/32IS HBF	yes	120/277	I	4	High	1.17	149.8	0.79
		U-4/32IS LBF	yes	120/277	I	4	Low	0.78	97.2	0.80
	Ultra Lumen	U-4/32ISE	yes	120/277	I	4	Normal	0.88	108	0.81
		U-4/32ISE-HBF	yes	120/277	I	4	High	1.16	144	0.81
		U-4/32ISE-LBF	yes	120/277	I	4	Low	0.77	96	0.80

HP 120 and 277 V T8 Ballasts

Manufacturer	Product Name	Model Number	NEMA ¹ Premium®	Voltage (V)	Ballast Type ²	Number of Lamps	Ballast Factor Range	Ballast Factor	Input Watts (W)	BEF ³
Superior Lamps, Inc.	432IE/DV/10/50	BES734	no	120/277	I	4	Normal	0.89	111	0.80
	432IE/1227/30	BEL734	no	120/277	I	4	Normal	0.88/0.87	110/106	0.80/0.82
	Heavy Duty Electronic Ballast	BPS934	no	120/277	P	4	Normal	0.87	110	0.79
SwitchGenie, LLC.	SwitchGenie	SG432	no	120/277	I	4	Normal	0.88	108	0.81
Technical Consumer Products, Inc.	E432	E432IS32120N	no	120	I	4	Normal	0.87	107	0.81
		E432IS32277N	no	277	I	4	Normal	0.88	108	0.82
		E432IS32120L	no	120	I	4	Low	0.78	95	0.82
		E432IS32120U	no	120	I	4	Low	0.72	84	0.85
		E432IS32277L	no	277	I	4	Low	0.75	92	0.82
		E432IS32277U	no	277	I	4	Low	0.70	85	0.82
	-	TCP4P32ISUNVLE	yes	120/277	I	4	Low	0.77	98/96	.79/.80
		TCP4P32ISUNVE	yes	120/277	I	4	Normal	0.88	110/108	.80/.82
		TCP4P32ISUNVHE	yes	120/277	I	4	High	1.16	145/144	.80/.81
		TCP4P32ISUNVH	yes	120/277	I	4	High	1.18	147/145	.80/.81
		E4P32ISUNVHE	yes	120/277	I	4	High	1.18	147/145	.80/.81
		TCP4P32ISUNV	yes	120/277	I	4	Normal	0.88	110/108	.80/.81
		E4P32ISUNVE	yes	120/277	I	4	Normal	0.88	110/108	.80/.81
		TCP4P32ISUNVL	yes	120/277	I	4	Low	0.77	96/95	.80/.81
		E4P32ISUNVLE	yes	120/277	I	4	Low	0.78	96/95	.81/.82
Topaz Lighting		B432IUNVHE/A-TPZ	yes	120/277	I	4	Normal	0.88	109	0.81
		B432IUNVHEH/A-TPZ	yes	120/277	I	4	High	1.18	147/144	0.80/0.82
		B432IUNVHP/A-TPZ	yes	120/277	I	4	Normal	0.88	109	0.81
Topstar International Inc.	T8 Electronic Ballast	BB-T8/UVH-4x32/HPF	no	120	I	4	Normal	0.86	108	0.80
Ultrasave Lighting Ltd.	-	UT432120L	no	120	I	4	Low	0.71	93	0.76
		UT432120	no	120	I	4	Normal	0.86	108	0.80
		UT432120ML	no	120/277	I	4	Low	0.77	98	0.79
		eT432120M	no	120/277	I	4	Normal	0.87	108	0.81
		GTL432120	no	120	I	4	Low	0.82	101	0.81
		UT432120MH	no	120/277	I	4	High	1.18	146	0.81
		UT432120M-HE	no	120/277	I	4	Normal	0.86	106	0.81
		UT432120L-HE	no	120	I	4	Low	0.79	100	0.79
		UT432120ML-HE	no	120/277	I	4	Low	0.76	96	0.79
		PR432120M-PP-HE	no	120/277	P	4	Normal	0.88	110	0.80
Universal Lighting Technologies		B432IUNV-D	yes	277	I	4	Normal	0.88	109	0.81
		ES1720B	yes	120/277	I	4	Normal	0.87	107/108	0.81
	AccuStart8	B432PUNVHP-A	yes	277	P	4	Normal	0.88	115	0.77
	Triad	B432I277RH-A	yes	277	I	4	Normal	0.88	110	0.80
		B432IUNVHP-A	yes	277	I	4	Normal	0.88	108	0.81
		B432I277L-A	yes	277	I	4	Low	0.78	98	0.76
	Ultim8	B432I277HEH	yes	277	I	4	High	1.18	145	0.81
		B432I120HE	yes	120	I	4	Normal	0.87	100	0.87
		B432I277HE	yes	277	I	4	Normal	0.87	105	0.83
		B432IUNVHE-A	yes	120/277	I	4	Normal	0.87	109/106	0.80/0.82
		B423I120HE	yes	120	I	4	Normal	0.87	106	0.82
		B432I120EL	yes	120	I	4	Low	0.77	95	0.81
		B432I277EL	yes	277	I	4	Low	0.77	93	0.82
		B432IUNVEL-A	yes	120/277	I	4	Low	0.77	97/96	0.79/0.80
		B432PUNVEL-A	yes	120/277	P	4	Low	0.71	91/90	0.78/0.79
		B432PUNVHE-A	yes	120/277	P	4	Normal	0.87	109/107	0.80/0.81

HP 120 and 277 V T8 Ballasts

Manufacturer	Product Name	Model Number	NEMA ⁴ Premium®	Voltage (V)	Ballast Type ²	Number of Lamps	Ballast Factor Range	Ballast Factor	Input Watts (W)	BEF ³
HP T8 Qualified Ballasts with 6 Lamps										
General Electric Company	UltraMax	GE632MAX-H90	yes	120/277	I	6	High	1.18	221/215	.53/.55

¹ CEE's specification uses the BALLAST EFFICACY FACTOR (BEF) as the true measure of efficiency. The input watt figure calculations are based on a premium 4', 32W T8 reference lamp.

² "P" signifies programmed start, "I" signifies instant start, "D" signifies dimming capabilities

³ BEF is calculated by multiplying the Ballast Factor by 100 and dividing by the input watts, except for Howard Industries and Standard Products, which provide the information in their catalog.

⁴ NEMA Premium® is a trademark of the National Electrical Manufacturers Association. It is an identifiable certification mark for manufacturers to use on products that meet the ballast portion of CEE's current specification for High Performance Lighting Systems. The label is available to all manufacturers that enroll in the NEMA Premium® program and sign a Memorandum of Understanding and Licensing agreement with NEMA.