

Howard Ind. to Universal Lighting Technologies Fluorescent & HID Ballasts

Fluorescent Ballasts (Magnetic and Electronic)

Howard P/N	ULT P/N	Comments	ULT Discription
E1/32IS-120	B132I120RH-A		1 F32T8 IS 120 60 HBCC
E1/32IS-120HEX	B232I120HE	Also: B232IUNVHE-A	2 F32T8 IS 120V High Efficiency
E1/32IS-120SC	B132I120RH-A		1 F32T8 IS 120 60 HBCC
E1/32IS-277	B132I277RH-A		1 F32T8 IS 277 60 HBCC
E1/32IS-277HEX	B232I277HE	Also: B232IUNVHE-A	2 F32T8 IS 277V High Efficiency
E1/32IS-277SC	B132I277RH-A		1 F32T8 IS 277 60 HBCC
E1/32IS-347	B132I347HP		1 F32T8 IS 347 60 HBXX
E1/40IS-TT-120	C240I120RH		2 FT40W/2G11 IS 120 60 HBBX
E1/40IS-TT-277	C240I277RH		2 FT40W/2G11 IS 277 60 HUBX
E1/59IS-120	B159I120RH	Also: B259I120RH	1 F96T8 IS 120 60 HBXX
E1/59IS-277	B159I277RH	Also: B259I277RH	1 F96T8 IS 277 60 HUXX
E1/72RS-120R	No Cross		
E2/32IS-120	B232I120RH-A		2 F32T8 IS 120 60 HBCC
E2/32IS-120HEX	B232I120HE	Also: B232IUNVHE-A	2 F32T8 IS 120V High Efficiency
E2/32IS-120SC	B232I120RH-A		2 F32T8 IS 120 60 HBCC
E2/32IS-277	B232I277RH-A		2 F32T8 IS 277 60 HBCC
E2/32IS-277HEX	B232I277HE	Also: B232IUNVHE-A	2 F32T8 IS 277V High Efficiency
E2/32IS-277SC	B232I277RH-A		2 F32T8 IS 277 60 HBCC
E2/32IS-347	B232I347HP	Also: B232I347RH-A	2 F32T8 IS 347 60 HCEC
E2/36RS-120R	No Cross		
E2/40IS-TT-120	C240SI120RH		2/1 FT40W/2G11 120V EOLL PROTECT
E2/40IS-TT-277	C240SI277RH		2/1 FT4-W/2G11 277V EOLL PROTECT
E2/59IS-120	B259I120RH		2 F96T8 IS 120 60 HBXX
E2/59IS-277	B259I277RH		2 F96T8 IS 277 60 HUXX
E2/72RS-120R	B295SR120HP		2 F96T12HOES RS 120 60 HBEB
E3/32IS-120	B332I120RH-A		(3) F32T8 IS 120V 60HZ HBCC
E3/32IS-120HEX	B332I120HE	Also: B332IUNVHE-A	3 F32T8 IS 120V High Efficiency
E3/32IS-120SC	B332I120RH-A		(3) F32T8 IS 120V 60HZ HBCC
E3/32IS-277	B332I277RH-A		(3) F32T8 IS 277 60 HBCC
E3/32IS-277HEX	B332I277HE	Also: B332IUNVHE-A	3 F32T8 IS 277V High Efficiency
E3/32IS-277SC	B332I277RH-A		(3) F32T8 IS 277 60 HBCC
E3/32IS-347	B332I347HP	Also: B332I347RH	3 F32T8 IS 347 60 HCEX
E3/40IS-TT-120	C340SI120RH		3 FT40W/2G11 120V EOLL PROTECT
E3/40IS-TT-277	C340SI277RH		3 FT40W/2G11 277V EOLL PROTECT
E4/32IS-120	B432I120RH-A		4 F32T8 IS 120 60 HBCC
E4/32IS-120HEX	B432I120HE	Also: B432IUNVHE-A	4 F32T8 IS 120V High Efficiency
E4/32IS-120SC	B432I120RH-A		4 F32T8 IS 120 60 HBCC
E4/32IS-277	B432I277RH-A		4 F32T8 IS 277 60 HBCC
E4/32IS-277HEX	B432I277HE	Also: B432IUNVHE-A	4 F32T8 IS 277V High Efficiency
E4/32IS-277SC	B432I277RH-A		4 F32T8 IS 277 60 HBCC
E4/32IS-347	B432I347HP	Also: B432I347RH	4 F32T8 IS 347 60 HCEX
EH1/32IS-120	No Cross		
EH1/32IS-277	No Cross		
EH2/32IS-120	B232I120RHH-A		ELF (2) F32T8 IS 120
EH2/32IS-120HEX	No Cross		
EH2/32IS-277	B232I277RHH-A		ELF (2) F32T8 IS 277
EH2/32IS-277HEX	No Cross		
EH3/32IS-120	B332I120RHH		3 F32T8 IS 120 60 HBEX
EH3/32IS-277	B332I277RHH		3 F32T8 IS 277 60 HBEX
EH4/32IS-120	NO CROSS		
EH4/32IS-277	B432I277HEH		ELF (4) F32T8 IS 277V HIGH EFFICIENCY 1.18 BF
EL1/32IS-120	B232I120L-A	Also: B132IUNVEL-A	2 F32T8 IS 120 60 HBCC
EL1/32IS-120HEX	B232I120EL	Also: B132IUNVEL-A	(2) F32T8 120 High Efficiency
EL1/32IS-277	B232I277L-A	Also: B132IUNVEL-A	2 F32T8 IS 277 60 HBCC
EL1/32IS-277HEX	B232I277EL	Also: B132IUNVEL-A	(2) F32T8 277V High Efficiency
EL1/40IS-TT-120	NO CROSS		
EL1/40IS-TT-277	NO CROSS		
EL2/32IS-120	B232I120L-A		2 F32T8 IS 120 60 HBCC
EL2/32IS-120HEX	B232I120EL	Also: B232IUNVEL-A	(2) F32T8 120 High Efficiency
EL2/32IS-277	B232I277L-A		2 F32T8 IS 277 60 HBCC
EL2/32IS-277HEX	B232I277EL	Also: B232IUNVEL-A	(2) F32T8 277V High Efficiency
EL2/40IS-TT-120	C240SI120RH		2/1 FT40W/2G11 120V EOLL PROTECT
EL2/40IS-TT-277	C240SI277RH		2/1 FT4-W/2G11 277V EOLL PROTECT
EL3/32IS-120	B332I120L-A		3 F32T8 IS 120 60 HBCC
EL3/32IS-120HEX	B332I120EL	Also: B332IUNVEL-A	(3) F32T8 120V High Efficiency
EL3/32IS-277	B332I277L-A		3 F32T8 IS 277 60 HBCC
EL3/32IS-277HEX	B332I277EL	Also: B332IUNVEL-A	(3) F32T8 277V High Efficiency
EL3/40IS-TT-120	C340SI120RH		3 FT40W/2G11 120V EOLL PROTECT
EL3/40IS-TT-277	C340SI277RH		3 FT40W/2G11 277V EOLL PROTECT
EL4/32IS-120	B432I120L-A		4 F32T8 IS 120 60 HBCC
EL4/32IS-120HEX	B432I120EL	Also: B432IUNVEL-A	(4) F32T8 120V High Efficiency
EL4/32IS-277	B432I277L-A		4 F32T8 IS 277 60 HBCC
EL4/32IS-277HEX	B432I277EL	Also: B432IUNVEL-A	(2) F32T8 277V High Efficiency
EP1/32IS/120-277	B132IUNVHP-B		1 F32T8 IS UNV 60 HBCC
EP1/32IS/120-277SC	B132IUNVHP-B		1 F32T8 IS UNV 60 HBCC
EP1/32IS-120	B132IUNVHP-B	Also: B132IUNVHP-B	1 F32T8 IS UNV 60 HBCC

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EP1/32IS-277	B132IUNVHP-B	Also: B132IUNVHP-B	1 F32T8 IS UNV 60 HBCC
EP1/40IS-TT/120-277	C240PUNVHP-B		2/1 FT40W2G11 PS UNV 60 HBXX
EP2/32IS/120-277	B232IUNVHP-B		2 F32T8 IS UNV 60 HBCC
EP2/32IS/120-277SC	B232IUNVHP-B		2 F32T8 IS UNV 60 HBCC
EP2/32IS-120	B232IUNVHP-B	Also: B232PUNVHP-A	2 F32T8 IS UNV 60 HBCC
EP2/32IS-277	B232I277HP	Also: B232IUNVHP-B	2 F32T8 IS 277 60 HUBX
EP2/40IS-TT/120-277	C240PUNVHP-B		2/1 FT40W2G11 PS UNV 60 HBXX
EP2/40RS-120R	No Cross		
EP2/42CF/120-277	No Cross		
EP2/54HO/PRS/120-277	B254PUNV-D		(2) F54T5HO PS UNV 50/60
EP2/54HO/PRS/MV/75C	B254PUNV-D		(2) F54T5HO PS UNV 50/60
EP2/54HO/PRS/MV/90C	B254PUNV-D		(2) F54T5HO PS UNV 50/60
EP3/32IS/120-277	B332IUNVHP-A		(3) F32T8 IS UNV 60HZ HBCC
EP3/32IS/120-277SC	B332IUNVHP-A		(3) F32T8 IS UNV 60HZ HBCC
EP3/32IS-120	B332IUNVHP-A	Also: B332IUNVHP-A	(3) F32T8 IS UNV 60HZ HBCC
EP3/32IS-277	B332IUNVHP-A	Also: B332IUNVHP-A	(3) F32T8 IS UNV 60HZ HBCC
EP3/40IS-TT/120-277	C340SI277RH		3 FT40W/2G11 277V EOLL PROTECT
EP4/32IS/120-277	B432IUNVHP-A		(4) F32T8 IS UNV 60HZ HBCC
EP4/32IS/120-277SC	B432IUNVHP-A		(4) F32T8 IS UNV 60HZ HBCC
EP4/32IS-120	B432IUNVHP-A	Also: B432IUNVHP-A	(4) F32T8 IS UNV 60HZ HBCC
EP4/32IS-277	B432I277HP	Also: B432IUNVHP-A	4 F32T8 IS 277 60 HUBX
EPL1/32IS/120-277	B132IUNVEL-A		ELF (1) F32T8 IS UNV HIGH EFFICIENCY .77 BF
EPL1/32IS-120	B132IUNVEL-A		ELF (1) F32T8 IS UNV HIGH EFFICIENCY .77 BF
EPL1/32IS-277	B132IUNVEL-A		ELF (1) F32T8 IS UNV HIGH EFFICIENCY .77 BF
EPL1/40IS-TT/120-277	C240PUNVHP-B	Howard IS, UNV is PS	2/1 FT40W2G11 PS UNV 60 HBXX
EPL2/32IS/120-277	B232IUNVEL-A		ELF (2) F32T8 IS UNV HIGH EFFICIENCY .77 BF
EPL2/32IS-120	B232IUNVEL-A		ELF (2) F32T8 IS UNV HIGH EFFICIENCY .77 BF
EPL2/32IS-277	B232IUNVEL-A		ELF (2) F32T8 IS UNV HIGH EFFICIENCY .77 BF
EPL2/40IS-TT/120-277	C240PUNVHP-B	Howard IS, UNV is PS	2/1 FT40W2G11 PS UNV 60 HBXX
EPL3/32IS/120-277	B332IUNVEL-A		ELF (2) F32T8 IS UNV HIGH EFFICIENCY .77 BF
EPL3/32IS-120	B332IUNVEL-A		ELF (2) F32T8 IS UNV HIGH EFFICIENCY .77 BF
EPL3/32IS-277	B332IUNVEL-A		ELF (2) F32T8 IS UNV HIGH EFFICIENCY .77 BF
EPL3/40IS-TT/120-277	C340SI277RH	Howard is UNV	3 FT40W/2G11 277V EOLL PROTECT
EPL4/32IS/120-277	B432IUNVEL-A		ELF (4) F32T8 IS UNV HIGH EFFICIENCY .77 BF
EPL4/32IS-120	B432IUNVEL-A		ELF (4) F32T8 IS UNV HIGH EFFICIENCY .77 BF
EPL4/32IS-277	B432IUNVEL-A		ELF (4) F32T8 IS UNV HIGH EFFICIENCY .77 BF
M1/110RS-120	481LHTCP		1 F96T12HO RS 120 60 HBXX
M1/110RS-277	479LHTCP		1 F96T12HO RS 277 60 HUXX
M1/13CFH-120	4112P		1 CFQ13W/GX23 120V 60HZ
M1/13CFN-120	4111P	Also: 200H2	#N/A
M1/18CFH-120	4120P		1 CFQ18W/G24d PH 120 60 HBEX
M1/18CFN-277	4219P		1 CFQ18W/G24d PH 277 60 LBXX
M1/20TR-120	546BTCP		1 F20T12 TS 120 60 LBXX
M1/22PHC-120	200H2P		1 F20T12 PH 120 60 LBXX
M1/22RSC-120	547RSWSTCP		1 FC8T9 RS 120 60 LBXX
M1/26CFH-120	4124P		
M1/26CFN-277	4223P		
M1/28CFH-120	4138P		
M1/40RS-120	412LSLHTCP	Also: B134SR120M-A	1 F40T12 RS 120 60 HBCB
M1/40RS-277	458LSLHTCP		1 F40T12 RS 277 60 HBCB
M1/75IS-120	822BRTCP		1 F96T12 IS 120 60 HBCX
M1/75IS-277	828BRTCP		1 F96T12 IS 277 60 HUCX
M1/9CFN-120	4105H2P		1 CFT7/9W/G23 PH 120 60 LBXX
M2/110RS-120	480SLHTCP	Also: 480-XLH-TC-P	2 F96T12HO RS 120 60 HBCB
M2/110RS-277	487SLHTCP	Also: 487-XLH-TC-P	2 F96T12HO RS 277 60 HBCX
M2/13CFH-120	4114P		2 CFT/Q13W/GX23 PH 120 60 HBXX
M2/20TR-120	447LRTCP		2 F20T12 TS 120 60 LBXX
M2/30RS-120	573LTCP	Also: 573-L-TC-P	2 F30T12 RS 120 60 HBCX
M2/32RS-120	M232SR120		
M2/32RS-277	M232SR277		
M2/40RS-120	446LSLHTCP	Also: B234SR120M-A	2 F40T12 RS 120 60 HBCB
M2/40RS-220	540LTCP		2 F40T12 RS 220 60 HUXX
M2/40RS-240	437LTCP		2 F40T12 RS 240 50 HUXX
M2/40RS-277	443LSLHTCP		443LSLHTCP;MAGNETIC;277;60;2;F40T12;RS
M2/40RSCH-120	726LVLHWSTCP		2 FC8T9/FC12T9 RS 120 60 HBXX
M2/75IS-120	806SLHTCP		2 F96T12 IS 120 60 HBCB
M2/75IS-277	827SLHTCP		2 F96T12 IS 277 60 HBCB

HID Ballasts

Probe Start Metal Halide

M0175-02C-212	M175120AC3M		(1) 175W MH M57 CWA 120 60Hz C&C
M0175-08C-212	M175277AC3M		(1) 175W MH M57 CWA 277 60Hz C&C
M0175-11C-211	M17548TAC3M	ULT: 120T	(1) 175W MH M57 CWA 480/120T 60HZ C&C
M0175-59C-212	M175TRIAC30		
M0175-71C-212	M175MLTAC3M	ULT: Cu/Al Core	(1) 175W NH M57 CWA MULTI 60HZ C&C
M0175-71C-213	M175MLTAC3M		(1) 175W NH M57 CWA MULTI 60HZ C&C
M0175-81C-211	M175ML5AC3M		(1) 175W MH M57 CWA MLT-5 60HZ C&C
M0250-08C-213	M250277AC3M		(1) 250W MH M58 277 60Hz C&C
M0250-11C-211	M25048TAC4M	ULT: 120T	(1) 250W MH M58 CWA 480/120T 60Hz C&C

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M0250-23C-212	-		-
M0250-29C-212	M25048TAC3M		(1) 250W MH M58 48T 60Hz C&C
M0250-59C-211	M250TRIAC4M		(1) 250W MH M58 TRI 60Hz C&C
M0250-59C-212	M250TRIAC3M		(1) 250W MH M58 TRI 60Hz C&C
M0250-71C-211	M250MLTAC4M	ULT: Al/Al Core HOW: Cu/Cu Core	(1) 250W MH M58 CWA MULTI 60HZ
M0250-71C-212	M250MLTAC3M	ULT: Cu/Al Core	(1) 250W MH M58 CWA MULTI 60HZ
M0250-71C-213	M250MLTAC4M	ULT: Al/Al Core HOW: Cu/Al Core	(1) 250W MH M58 CWA MULTI 60HZ
M0250-71C-215	M250MLTAC4M	ULT: Al/Al Core HOW: Cu/Al Core	(1) 250W MH M58 CWA MULTI 60HZ
M0250-81C-211	M250ML5AC4M		(1) 250W MH M58 CWA MLT-5 60Hz C&C
M0250-81C-212	M250ML5AC3M		(1) 250W MH M58 CWA MLT-5 60Hz C&C
M0250-81C-213	M250ML5AC4M		(1) 250W MH M58 CWA MLT-5 60Hz C&C
M0250-81C-214	M250ML5AC4M		(1) 250W MH M58 CWA MLT-5 60Hz C&C
M0400-08C-211	-		
M0400-08C-212	-		
M0400-11C-211	M40048TAC4M	ULT: 120T	(1) 400W MH M59 CWA 48T 60Hz C&C
M0400-29C-211	M40048TAC4M		(1) 400W MH M59 CWA 48T 60Hz C&C
M0400-59C-211	M400TRIAC4M		(1) 400W MH M59 CWA TRI 60Hz C&C
M0400-71C-211	M400MLTAC4S	ULT: '4S model is Cu/Cu Core	(1) 400W MH M59 CWA QUAD 60HZ C&C
M0400-71C-212	M400MLTAC4M	ULT: Al/Al Core HOW: Cu/Al Core	(1) 400W MH M59 CWA QUAD 60HZ C&C
M0400-71C-213	M400MLTAC4M		(1) 400W MH M59 CWA QUAD 60HZ C&C
M0400-81C-211	M400ML5AC4M	ULT: Cu/Al Core	(1) 400W MH M59 CWA MLT5 60Hz C&C
M0400-81C-212	M400ML5AC4M		(1) 400W MH M59 CWA MLT5 60Hz C&C
M1000-11C-212	M1000480AC5M	ULT: Cu/Al Core	(1) 1000W MH M47 CWA 480 60Hz C&C
M1000-11C-213	M1000480AC5M		(1) 1000W MH M47 CWA 480 60Hz C&C
M1000-11C-223	M100048TAN5M	ULT: 120T	(1) 1000W MH M47 CWA 480/120T 60HZ C&C - N Class Insulation
M1000-29C-212	M100048TAC5M	ULT: Cu/Al Core	(1) 1000W MH M47 CWA 480/120T 60HZ C&C
M1000-29C-223	M100048TAN5M		(1) 1000W MH M47 CWA 480/120T 60HZ C&C - N Class Insulation
M1000-71C-212	M1000MLTAC5M	ULT: Cu/Al Core	(1) 1000W MH M48 CWA QUAD 60Hz C&C
M1000-71C-213	M1000MLTAC5M		(1) 1000W MH M48 CWA QUAD 60Hz C&C
M1000-71C-214	M1000MLTAC5M	ULT: Cu/Al Core HOW: Al/Al Core	(1) 1000W MH M48 CWA QUAD 60Hz C&C
M1000-81C-211	M1000ML5AC5M	ULT: Cu/Al/Cu Core HOW: Cu/Cu	(1) 1000W MH M47 CWA MLT5 60Hz C&C
M1000-81C-212	M1000ML5AC5M	ULT: Cu/Al/Cu Core HOW: Cu/Al	(1) 1000W MH M47 CWA MLT5 60Hz C&C
M1000-81C-213	M1000ML5AC5M	ULT: Cu/Al/Cu Core HOW: Cu/Al	(1) 1000W MH M47 CWA MLT5 60Hz C&C
M1500-11C-212	M1500480AC5M		(1) 1500W MH M48 CWA 480 60Hz C&C
M1500-11C-222	-		
M1500-71C-212	M1500MLTAC5M		(1) 1500W MH M48 CWA QUAD 60HZ C&C
M1500-71C-222	-		
Pulse Start Metal Halide			
M0050-08C-111	-		
M0050-23C-511	-		
M0070-08C-111	-		
M0070-71C-511	M70MLTLC3M		(1) 70W PSMH M98 HX-HPF QUAD 60Hz C&C
M0100-23C-511	-		
M0100-71C-511	M100MLTLC3M		(1) 100W MH M90 HX-HPF QUAD 60Hz C&C
M0100-71C-512	M100MLTLC3M		(1) 100W MH M90 HX-HPF QUAD 60Hz C&C
M0100-71C-513	M100MLTLC3M	ULT: Cu/Cu Core HOW: Al/Al	(1) 100W MH M90 HX-HPF QUAD 60Hz C&C
M0150-71C-511	M150MLTLC3M		(1) 150W MH M102 HX-HPFQUAD 60Hz C&C
M0150-71C-512	M150MLTLC3M		(1) 150W MH M102 HX-HPFQUAD 60Hz C&C
M0175-02C-411	-		
M0175-29C-411	-		
M0200-11C-611	-		
M0200-23C-611	-		
M0200-71C-611	-		
M0250-02C-411	-		
M0250-27C-411	-		
M0250-29C-411	-		
M0250-11C-6E1	P25048TAC4L	ULT: 120T	(1) 250W PSMH M153 CWA 480/120T 60Hz LOW LOSS C&C
M0250-71C-6E1	P250MLTAC4L		(1) 250W PSMH M138 CWA QUAD 60Hz LOW LOSS C&C
M0320-08C-711	P320277RCEM		(1) 320W PSMH M132 277V 60Hz C&C
M0320-11C-6E1	P32048TAC4L		(1) 320W PSMH M132 CWA 480/120T 60Hz Low Loss C&C
M0320-71C-6E1	P320MLTAC40	ULT: Cu/Al Core	(1) 320W PSMH M132 CWA MULTI 60Hz C&C
M0320-71C-612	P320MLTAC40	ULT: EISA	(1) 320W PSMH M132 CWA MULTI 60Hz C&C
M0320-71C-6E4	P320MLTAC40	ULT: Cu/Al Core HOW: Al/Al Core	(1) 320W PSMH M132 CWA MULTI 60Hz C&C
M0350-02C-411			
M0350-23C-411			
M0350-28C-411			
M0350-29C-411			
M0350-30C-411			
M0350-08C-7E1	P350277RCEM		(1) 350W PS/MH M131 277V 60Hz C&C
M0350-71C-6E1	P350MLTAC4M	ULT: Cu/Al Core	(1) 350W PS M131 QUAD 60Hz C&C
M0350-71C-612	P350MLTAC4M	ULT: EISA	(1) 350W PS M131 QUAD 60Hz C&C
M0350-71C-6E4	P350MLTAC4M		(1) 350W PS M131 QUAD 60Hz C&C
M0400-02C-411			
M0400-27C-411			
M0400-28C-411			
M0400-29C-411			
M0400-62C-411			
M0400-08C-7E1	P400277RCEM		(1) 400W PSMH M135 277V 60Hz REACTOR
M0400-11C-6E1	P40048TAC4M	ULT: 120T	(1) 400W PSMH M135 CWA 480/120T 60Hz C&C

