

U.P.C. ITEM #	CATALOG #	UNIVERSAL	ADVANCE	OSI	GE
ELECTRONIC FLUORESCENT BALLASTS					
01945	E2/32IS-120MC	B232I120RES-A	REB-2P32-SC		GE-323-120-RES
02078	E2/40RS-120MC	B240R120HP	REL-2S40-SC	QTP2x40T12/120RSN-SC	GE240RS120
01916	E2/40RS-277	B240R277HP	VEL-2S40-SC	QTP2x40T12/277RSN-SC	
01917	E2/75IS-120	B260I120HP	REL-2P60-S-A	QT2x96/120IS	
01943	E2/75IS-277	B260I277HP	VEL-2PIS-S	N/A	N/A
01918	E2/110RS-120	B295SR120HP	REL-2S110	QT2x96/120HO	
01944	E2/110RS-277	B295SR277HP	VEL-2S110	QT2x96/277HO	B295SR277HP
02826	EP2/32IS/MV/MC	B232IUNVHP-B	ICN-2M32-MC	QTP2x32T8/UNVISN-SC	GE-232-MV-N
04033	EP3/32IS/MV/MC/HE	B332IUNVHP-A	ICN-3P32-SC	QTP3x32T8/UNVISN-SC	GE-332-MV-N
04034	EP4/32IS/MV/MC/HE	B432IUNVHP-A	ICN-4P32-SC	QTP4x32T8/UNVISN-SC	GE-432-MV-N
00222	EP2/32IS/MV/SC/HE	B232IUNVHE-A	IOP-2P32-SC	QHE2x32T8/UNVISN-SC	GE232MAX-N/ULTRA
01261	EP3/32IS/MV/SC/HE	B332IUNVHE-A	IOP-3P32-SC	QHE3x32T8/UNVISN-SC	GE332MAX-N/ULTRA
01262	EP4/32IS/MV/SC/HE	B432IUNVHE-A	IOP-4P32-SC	QHE4x32T8/UNVISN-SC	GE432MAX-N/ULTRA
01940	EP2/40IS-TT/MV/SC	C240PUNVHP-B	REL-2TT540	QTP2X40TT5/120/277PSN-F	C240PUNVHP-B-IP
01941	EP3/40IS-TT/MV/SC				
01942	EP2/59IS/MV/SC	B259IUNVHP-A	IOP-2P59-SC	QHE2x59T8ISN-SC	GE-259-MV-N
02238	EPH2/32IS/MV/SC/HE	B232IUNVHEH-A	IOP-2P32-HL-SC	QHE2x32T8/UNVISH-SC	GE232MAX-H/ULTRA
02239	EPH3/32IS/MV/SC/HE	B332IUNVHEH-A	IOP-3P32-HL-SC	QHE3x32T8/UNVISH-SC	GE332MAX-H/ULTRA
22143	EPL2/32IS/MV/MC/HE	B232IUNVEL-A	IOP-2P32-LW-SC	QHE2x32T8/UNVISL-SC	GE232MAX-L/ULTRA
02960	EPL3/32IS/MV/MC	B332IUNEL-A	IOP-3P32-LW-SC	QHE3x32T8/UNVISL-SC	GE332MAX-L/ULTRA
02962	EPL4/32IS/MV/MC	B432IUNVEL-A	IOP-4P32-LW-SC	QHE4x32T8/UNVISL-SC	GE432MAX-L/ULTRA
01432	EPL2/32IS/MV/SC/HE	B232IUNVEL-A	IOP-2P32-LW-SC	QHE2x32T8/UNVISL-SC	GE232MAX-L/ULTRA
01469	EPL3/32IS/MV/SC/HE	B332IUNEL-A	IOP-3P32-LW-SC	QHE3x32T8/UNVISL-SC	GE332MAX-L/ULTRA
01470	EPL4/32IS/MV/SC/HE	B432IUNVEL-A	IOP-4P32-LW-SC	QHE4x32T8/UNVISL-SC	GE432MAX-L/ULTRA
12405	E2/72RS-120	N/A	N/A	N/A	N/A
11107	EP2/54HO/PRS/MV/90CW	B254PUNV-D	ICN-S254-90C	QTP2x54T5HO/UNVPSN-HT	GE254MVPS90-F
COMPACT FLUORESCENT BALLASTS					
02136	EP2/13CF/MV/K	C213UNVME/BE/SE/BES	ICF-2S13-H1-LD-K	QTP1/2x13CF/UNVBBS	GEC213-MVPS-SE
02134	EP2/18CF/MV/K	C218UNV/ME/BE/SE/BES	ICF-2S18-H1-LD-K	QTP1/2x18CF/UNVBBS	GEC218-MVPS-SE
02133	EP2/26CF/MV/K	C2642UNV/ME/BE/SE/BES	ICF-2S26-H1-LD-K	QTP1/2x26CF/UNVBBS	GEC226-MVPS-SE
14303	EP2/42CF/MV/K	C2642UNV/ME/BE/SE/BES	ICF-2S42-M2-LD-K	QTP1/2x26/32/42CF/UNVBM	C242UNVSE-IP
03934	EP2/26CF/MV/K2	C2642UNV/ME/BE/SE/BES	ICF-2S26-H1-LD-K	QTP1/2x26CF/UNVBBS	GEC226-MVPS-SE
03935	EP2/42CF/MV/K2	C2642UNV/ME/BE/SE/BES	ICF-2S42-M2-LD-K	QTP1/2x26/32/42CF/UNVBM	C242UNVSE-IP
MAGNETIC FLUORESCENT BALLASTS					
52104	M2/30RS-120	573-L-TC-P	R-2SP30-TP	MB2x30/120RS-SRNB	GEM230RS120
52103	M2/32RS-120	M232SR120	R-2S32-TP		M232SR120C
52203	M2/32RS-277	M232SR277	VK-2S32-TP		M232SR277C
51100	M1/40RS-120	412-L-SLH-TC-P	R-140-TP	MB1x40/120RS-SRNB	GEM140HRS120DIY

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MAGNETIC FLUORESCENT BALLASTS					
51200	M1/40RS-277	458-L-SLH-TC-P	V-140-TP	MB1x40/277RS-SR NK	
52100	M2/40RS-120	446-L-SLH-TC-P	R-2S40-TP	MB2x40/120RS-SR NK	GEM240RS120IP
52105	M2/40RS-220	540-L-TC-P	XQM-2S40-TP		
52106	M2/40RS-240	437-L-TC-P	YQM-2S40-TP		
52200	M2/40RS-277	443-L-SLH-TC-P	V-2S40-TP	MB2x40/277RS-SR NK	GEM240RS277IP
51300	M1/20TR-120	546-B-TC-P	RLQ-120-TP	MB1x15/120PH/TP	GEM120TC120DIY
51301	M2/20TR-120	447-LR-TC-P	L-220F	MB2x20/120PH/TP	GEM220TS120DIY
51101	M1/75IS-120	822-BR-TC-P	RSM-175-S-TP	MB1x96/120IS-SR NK	GEM196IS120IP
51201	M1/75IS-277	828-BR-TC-P	VSM-175-S-TP	MB1x96/277IS-SR NK	GEM196IS277IP
52101	M2/75IS-120	806-SLH-TC-P	R-2E75-S-TP	MB2x96/120IS-SR NK	GEM296IS120IP
52201	M2/75IS-277	827-SLH-TC-P	V-2E75-S-TP	MB2x96/277IS-SR NK	GEM296IS277IP
51102	M1/110RS-120	481-LH-TC-P	RS-110-TP	MB1x96/HO/120RS-SR NK	
51202	M1/110RS-277	479-LH-TC-P	VS-110-TP	MB1x96/HO/277RS-SR NK	
52102	M2/110RS-120	480-SLH-TC-P	RS-2S110-TP	MB2x96/HO/120RS-SR NK	GEM296HORS120IP
52202	M2/110RS-277	487-SLH-TC-P	VS-2S110-TP	MB2x96/HO/277RS-SR NK	GEM296HORS277IP
51400	M1/22PHC-120	200-H2P	LC-14-20-C-TP	MB1x20/120PH/TP	GEM120PH120DIY
51402	M1/22RSC-120	547-RS-WS-TC-P	RLQS-122-TP-W	MB1x22/120CIRC	GEM1FC8T9RS120IP
51401	M2/40RSCH-120	726-L-VLH-WS-TC-P	RMS-32-40-TP-W		GEM1FC16T9RS120
51509	M1/9CFN-120	4105H2P	LC-4-9-C-TP		
51513	M1/13CFH-120	4112P	H-1B13-TP-W		
51514	M1/13CFN-120	4111P	LO-13-22-TP		
51518	M1/18CFH-120	4120P	H-1Q18-TP-W		
51526	M1/26CFH-120	4124P	H-1Q26-TP-W		
51527	M1/26CFH-277	4223P	VL-1Q26-TP-W		
51528	M1/28CFH-120	4138P	H-1Q28-TP-W		
52513	M2/13CFH-120	4114P	H-2B13-TP-W		
HID BALLASTS					
93113	M0050-08C-111-K				
91001	M0050-23C-511-K		71A5181-001D	M50/120/277-KIT	
93117	M0070-08C-111-K				
90405	M0070-71C-511-K	M70MLTLC3M500K	71A5292-001D	M70/MULTI-KIT	GEM70MLTLC3D-5
00029	M0100-23C-511-K				
99986	M0100-71C-513-K	M100MLTLC3M500K	71A590-001D	M100/MULTI-KIT	N/A
99945	M0150-71C-512-K	M150MLTLC3M500K	71A5492-001D	M150/MULTI-KIT	GEM150MLTLC3D-5
90101	M0175-02C-212-K				
92102	M0175-11C-211-K			M175/480-KIT	
90102	M0175-59C-212-K		71A55A0-001D	M175/480/120T-KIT	

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HID BALLASTS					
03958	M0175-71C-214-K	M175MLTAC3M500K	71A5570-001D	M175/MULTI-KIT	GEM175MLTAC3-5
03976	M0175-81C-213-K	M175ML5AC3M500K	N/A	M175/SUPER5-KIT	GEM175ML5AC3-5
93103	M0250-59C-211-K		71A57A0-001D		
03954	M0250-71C-215-K	M250MLTAC4M500K	71A5770-001D	M250/MULTI-KIT	GEM250MLTAC-5
03977	M0250-81C-215-K	M250ML5AC4M500K	71A5750-001D	M250/SUPER5-KIT	GEM250ML5AC4-5
94802	M0400-29C-211-K			M400/480/120T-KIT	
94104	M0400-59C-211-K				
94422	M0400-71C-213-K	M400MLTAC4M500K	71A6071-001D	M400/MULTI-KIT	GEM400MLTAA4-5
99919	M0400-81C-212-K	M400ML5AC4M500K	71A6051-001D	M400/SUPER5-KIT	GEM400ML5AA4-5
00002	M1000-08C-212-K				
95102	M1000-11C-212-K	M100048TAC5M500K	71A6542-001D	M1000/480-KIT	GEM100048TAC5-5
04091	M1000-71C-214-K	M1000MLTAC5M500K	71A6572-001D	M1000/MULTI-KIT	GEM1000MLTAA5-5
99948	M1000-81C-213-K	M1000ML5AC5M500K	71A6552-001	M1000/SUPER5-KIT	GEM1000ML5AA5-5
96202	M1500-08C-212-K				
96102	M1500-11C-212-K	M150048TAC5M500K	71A6742-001	M1500-480-KIT	GEM150048TAC5M5-5
96402	M1500-71C-212-K	M1500MLTAC5M500K	71A6772-001	M1500/MULTI-KIT	GEM1500MLTAC5-5
92103	M0175-02C-411-K				
92303	M0175-29C-411-K		71A5544-500DT		
93304	M0250-02C-411-K		71A5704-500		
93204	M0250-27C-411-K		71A5734-500T		
93104	M0250-29C-411-K		71A5744-500T		
93510	M0350-02C-411-K		71A5984-500T		
93520	M0350-29C-411-K				
00239	M0350-30C-411-K				
94304	M0400-02C-411-K		71A6004-500		
94804	M0400-27C-411-K		71A6034-500T		
94904	M0400-28C-411-K		71A60B4-500T		
93280	M0200-11C-611-K	P20048TAC3M500K		M200/480-PS-KIT	
93120	M0200-23C-611-K				
93447	M0200-71C-611-K	P200MLTAC4M500K	71A5692-001D	M200/MULTI-PS-KIT	
93306	M0250-11C-611-K	P25048TAC4M500K		M250/480-PS-KIT	GEP25048TAC4-5
99765	M0250-11C-6E1-K	P25048TAC4M500K	71A5642-500DT	M250/480-PS-KIT	GEP25048TAC4-5
93406	M0250-71C-611-K	P250MLTAC4M500K	71A5792-001D	M250/MULTI-PS-KIT	GEP250MLTAC4-5
99770	M0320-08C-7E1-K	P320277RCEM500K	71A5837-001D		
99760	M0320-08C-7E1-K	P320MLTAC4M500K	71A5892-001D	M320/MULTI-PS-KIT	GEP320MLTAC4M-5
02278	M0320-71C-6E4-K	P320MLTAC4M500K	71A5892-001D	M320/MULTI-PS-KIT	GEP320MLTAC4M-5

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HID BALLASTS					
99772	M0350-08C-7E1-K	P350277RCEM500K	71A5937-001D		
99824	M0350-08C-7E2-K	P350277RCEM500K	71A5937-001D		
99916	M0350-71C-6E4-K	P350MLTAC4M500K	71A5993-001D	M350/MULTI-PS-KIT	GEP350MLTAC4-5
94207	M0400-08C-711-K	P400277RCEM500K	71A6137-001D		
09767	M0400-11C-6E1-K	P40048TAC4M500K	71A6042-500DT	M400/480-PS-KIT	GEP40048TAC4-5
94401	M0400-29C-611-K	P40048TAC4M500K	71A6042-500DT	M400/480/120T-PS-KIT	
99774	M0400-29C-6E1-K	P40048TAC4M500K	71A6042-500DT	M400/480/120T-PS-KIT	N/A
94406	M0400-71C-611-K	P400MLTAC4M500K	71A6092-001D	M400/MULTI-PS-KIT	GEP400MLTAC4-5
99917	M0400-71C-6E3-K	P400MLTAC4M500K	71A6092-001D	M400/MULTI-PS-KIT	GEP400MLTAC4-5
99689	M0750-71C-611-K	P750MLTAC5M500K		M750/MULTI-PS-KIT	GEP750MLTAC5-5
99940	M0750-71C-612-K	P750MLTAC5M500K		M750/MULTI-PS-KIT	GEP750MLTAC5-5
99612	M0875-71C-611-K	P875MLTAC5M500K			
99622	M0875-81C-611-K				
00355	M1000-11C-611-K	P100048TAC5M500K		M1000/480-PS-KIT	
99604	M1000-29C-612-K				
99595	M1000-71C-612-K	P1000MLTAC5M500K	71A6593-001	M1000/MULTI-PS-KIT	GEP1000MLTAC5-5
99619	M1000-81C-611-K	P1000ML5AC5M500K			GEP1000MLT5AC5-5
90307	S0035-02C-111-K	S35120RCEM000K	71A7701-001DB	LU35/120R	
93108	S0050-02C-111-K	S50120RCEM000K	71A7807-001DB	LU50/120R	
93109	S0070-02C-111-K	S70120RCEM000K	71A7907-001DB	LU70/120R	
97415	S0070-71C-511-K	S70MLTLC3M500K	71A7971-001D	LU70/MULTI-KIT	GES70MLTLC3D-5
99934	S0070-71C-512-K	S70MLTLC3M500K	71A7971-001D	LU70/MULTI-KIT	GES70MLTLC3D-5
93111	S0100-02C-111-K	S100120RCEM000K	71A8007-001DB	LU100/120R	
91415	S0100-71C-511-K	S100MLTLC3M000K	71A8071-001D	LU100/MULTI-KIT	GES100MLTLC3D-5
01464	S0100-71C-512-K	S100MLTLC3M000K	71A8071-001D	LU100/MULTI-KIT	GES100MLTLC3D-5
93110	S0150-02C-111-K	S150120RCEM000K	71A8107-001D	LU150/120R	
93415	S0150-71C-511-K	S150MLTAC4M500K	71A8172-001D	LU150/MULTI-KIT	GES150MLTLC3D-5
99921	S0150-71C-512-K	S150MLTAC4M500K	71A8172-001D	LU150/MULTI-KIT	GES150MLTLC3D-5
96112	S0250-11C-211-K	S25048TAC4M500K	71A8241-001D	LU250/480-KIT	
96114	S0250-29C-211-K			LU250/480/120T-KIT	
96412	M0250-71C-212-K	S250MLTAC4M500K	71A8271-001D	LU250/MULTI-KIT	GES250MLTAC4-5
96580	S0250-81C-211-K	S250ML5AC4M500K	71A8251-001D	LU250/SUPERS-KIT	GES250ML5AC4-5
94112	S0400-11C-211-K	S40048TAC4M500K	71A8443-001D	LU400/480-KIT	GES40048TAC4-5
00003	S0400-29C-211-K			LU400/480/120T-KIT	
94312	S0400-59C-211-K		71A84A3-001D		
94412	S0250-71C-212-K	S400MLTAC4M500K	71A8473-001D	LU400/MULTI-KIT	GES400MLTAC4-5

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94400	S0400-81C-212-K	S400ML5AC4M500K	71A8453-001D	LU400/SUPER5-KIT	GES400ML5AC4-5
90112	S1000-11C-211-K	S100048TAC5M500K	71A8743-001D	LU1000/480-KIT	GES100048TAC5-5
90212	S1000-29C-211-K				
90412	S1000-71C-211-K	S1000MLTAC5M500K	71A8773-001D	LU1000/MULTI-KIT	GES1000MLTAC505
MAGNETIC SIGN BALLASTS					
00106	MS1/48HO-120				
00165	MS1/48HO-277				
00107	MS2/24HO-120				
00166	MS2/24HO-277				
03796	MSB/0412/12/120	USB-0412-12		MSB-12-0412-TP	GESB-0412-12
00108	MS2/72HO-120	USB-0412-12		MSB-12-0412-TP	GESB-0412-12
00167	MS2/72HO-277				
00109	MS2/96HO-120				
00168	MS2/96HO-277				
00110	MS3/48HO-120				
00169	MS3/48HO-277				
00111	MS3/72HO-120				
00170	MS3/72HO-277				
00112	MS3/96HO-120				
00171	MS3/96HO-277				
03797	MSB/0620/24/120	USB-0816-24	ASB0620-24	MSB-24-0620-TP	GESB-0620-24
00172	MS4/48HO-277		VSB0620-24		
03798	MSB/1224/24/120	USB-1024-24	ASB1224-24	MSB-24-1224-TP	GESB-1224-24
00173	MS4/72HO-277		VSB1224-24		
03799	MSB/2040/24/120	USB-1632-24			GESB-1632-24
00115	MS4/96HO-120	USB-1632-24			GESB-1632-24
00174	MS4/96HO-277				
00116	MS4/120HO-120		ASB2040-24	MSB-24-2040-TP	GESB-2040-24
00175	MS4/120HO-277		VSB2040-24		
00117	MS5/72HO-120				
00176	MS5/72HO-277				
00118	MS6/48HO-120				

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MAGNETIC SIGN BALLASTS					
00177	MS6/48HO-277				
03800	MSB/1240/46/120	USB-2036-46	ASB1240-46	MSB-46-1240-TP	GESB-1240-46
00178	MS6/72HO-277		VSB1240-46		
03801	MSB/2448/46/120	USB-2048-46	ASB2448-46	MSB-46-2448-TP	GESB-2448-46
00179	MS6/96HO-277		VSB2448-46		
ELECTRONIC SIGN BALLASTS					
00102	ES3/96HO-120				
00180	ES3/96HO-208-277				
00103	ES4/96HO-120		ASB-1232-24-E		
00181	ES4/96HO-208-277				
00104	ES4/120HO-120				
00182	ES4/120HO-208-277				
00105	ES6/96HO-120		ASB-2040-46-E		
00183	ES6/96HO-208-277				
F-CAN SIGN BALLASTS					
00099	M0175-23F-211	1110-245SC-TC	72C5581NP	M175/120/277/F-CAN	1110245SCTC0001
00100	M0250-23F-211	1110-246SC-TC	72C5782NP	M250/120/277/F-CAN	1110246SCTC000C
00101	M0400-23F-211	1110-247SC-TC	72C6082NP	M400/120/277/F-CAN	1110247SCTC0001

ELECTRONIC FLUORESCENT BALLAST 5 YEAR LIMITED WARRANTY

Howard Industries, Inc. warrants to the purchaser that its electronic fluorescent ballasts will be free from defects in material and workmanship as conditioned herein for a period of five (5) years from date of manufacture. The date of manufacture by Howard Industries, Inc., Ballast Products Division is stamped on the ballast.

During said warranty period, Howard Industries, Inc. agrees and shall be obligated to a limit of refund of the purchase price of the ballast or, at the option of Howard Industries, Inc., replacement of defective ballasts including a \$10.00 provision for installation costs.

This warranty is not applicable and is voided to any product manufactured by Howard Industries, Inc. which is not stored, installed, operated and maintained in accordance with:

- The National Electric Code (NEC)
- The Standards for Safety of Underwriters Laboratories, Inc. (UL)
- The Standards for the American National Standards Institute (ANSI)
- The Specific Instructions Provided by Howard Industries, Inc. for the Installation of the Product(s)
- Accepted industry practices

The warranties set forth herein are in lieu of any and all other warranties expressed or implied including the warranties of merchantability and fitness for a particular purpose. In no case shall Howard Industries, Inc. be obligated or liable for any indirect, consequential, or incidental damages for breach of this or any other warranty, expressed or implied, whatsoever.

Should at any time within the stated five year period from date of manufacture any appearance of defect in material or workmanship appear, purchaser must notify Howard Industries, Inc. by calling 1-800-956-3456 or (601) 422-0033. Written notice may be mailed to Howard Industries, Inc., Ballast Products Division, PO Box 1590, Laurel, MS 39441 or by fax at (601) 422-1652.

As a condition to qualify for refund of original ballast purchase price or replacement under the provisions of this limited warranty, defective ballasts must be available for return to Howard Industries, Inc. at its request for inspection and test analysis. Prior written approval for return must be obtained from the factory.