

SIMPLY CONSERVE

LED T8 | UL TYPE A | DIRECT REPLACEMENT

L15T8G40A, L15T8G50A

This 15W LED T8 lamp is a perfect plug-and-play solution to convert existing fluorescent fixtures to LED. Designed to deliver 2200 lumens, these lamps produce the same light output as a 32W Fluorescent with less than half the power. The glass construction provides a strong, quick, and safe installation without any re-wiring of the ballast or fixture. Compatible with most electronic instant-start and programmed rapid start T8 ballasts.



PRODUCT FEATURES OVERVIEW



BEAM ANGLE



50,000 HOURS



EASY TO INSTALL



FLICKER FREE



TRUE COLOR



5-YEAR LIMITED WARRANTY*

*AM Conservation Group, Inc. guarantees to the original purchaser or recipient of this lamp that it is free from defects in material and workmanship for five years from the date of purchase. Warranty is limited to repair or replacement of the lamp. Lamps being returned must include proof of purchase.

Rated Power (W):	15 Watts (Rated system power 18 Watts)
Color Temp (CCT):	4000K, 5000K
Typical Lumens (lm):	2200 lm
Efficacy (lm/w):	122lm/w@4000k-5000k
Beam Angle:	185°
Operation Temperature:	-4° to 113°F
Storage Temperature:	-40° to 185°F
Input Voltage (V):	120-277V
Power Factor:	0.9
THD:	20%
Ignition Time:	≤1.0 seconds
Line Frequency:	50/60 Hz
Dimmable:	Non-Dimmable
Safety Certification:	UL
DLC-Listed:	Yes

Safety Requirement: Complies with UL1993 /UL8750

Target Replacement Lamps: F25T8 (4ft), F28T8 (4ft), F30T8 (4ft), F32T8 (4ft)

- Plug & play replacement UL Type A
- Glass construction
- 50,000-hour life
- Easy retrofit into most common linear fluorescent fixtures
- Color rendering index (CRI): > 80
- Specialized cover designed for optimal light distribution and smooth visual effect
- Runs cool with minimal heat output
- No UV or IR radiation
- End-to-end lighting with no dark spots
- Suitable for used in damp locations
- Suitable for use in enclosed fixtures
- This product is rated for indoor use only

AM CONSERVATION GROUP//COMMERCIAL LIGHTING

LED T8 | UL TYPE A | DIRECT REPLACEMENT | L15T8G40A, L15T8G50A

SPECIFICATIONS BY MODEL

ITEM #	WATTS	DIMENSIONS	CCT	LUMENS	CRI	LIFETIME	VOLTAGE	CERTIFICATIONS	CASE QTY
L15T8G40A	15W	1.0" Dia. * 47.7"	4000K	2200 lm	>80	50,000 Hrs	120-277V	DLC Standard	25
L15T8G50A	15W	1.0" Dia. * 47.7"	5000K	2200 lm	>80	50,000 Hrs	120-277V	DLC Standard	25

MODEL SELECTION

FAMILY	WATTAGE	LAMP TYPE	MATERIAL	CCT.	OPERATION
L = LED Linear	15 = 15W	T8 = T8 Tube	G=Glass PC= Aluminum & Polycarbonate N= Nano Plastic	35 = 3500K 40 = 4000K 50 = 5000K	A = UL Type A BDE = UL Type B, Double End BSE = UL Type B, Single End AB = UL Type A/B, Dual Mode

BAR CODE TABLE

ITEM #	UPC	I 2 OF 5
L15T8G40A	810136027136	10810136027133
L15T8G50A	810136027129	10810136027126

DIMENSIONS

PRODUCT

1.0" DIA.

47 3/4"

PACKAGING

Case

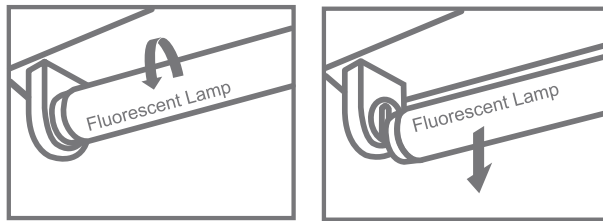
5 3/4" 60 3/8" 5 7/8"

25/Master Case

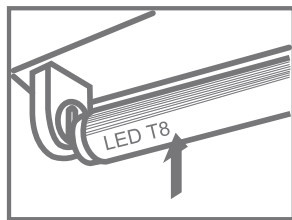
Gross WT: **14.33 LBS**

INSTRUCTIONS

- 1) Make sure power is OFF.
- 2) Remove lens or diffuser (if applicable).
- 3) Remove existing fluorescent lamps from the luminaire.

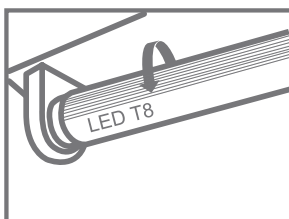


- 4) Bring LED lamp to luminaire and insert lamp pins into luminaire lamp holders.



- 5) Rotate LED lamp until lamp locks in place. Ensure the LED lamp front points away from the back of the luminaire.

Note: Install one LED T8 replacement lamp one for each fluorescent lamp removed.



- 6) Place lens or diffuser back in place (if applicable).
- 7) Power ON.
- 8) Check lamp installation after turning power on. If flickering or buzzing is heard, turn off power and check that bulb is correctly installed in lamp holders.

AM CONSERVATION GROUP//COMMERCIAL LIGHTING

LED T8 | UL TYPE A | DIRECT REPLACEMENT | L15T8G40A, L15T8G50A

BALLAST COMPATIBILITY

KEY

NC	Incompatible
N	Acoustic noise >20dB
S	Can't start up
F	Flickers after >2s start-up
HT	High temperature

P	PF <0.85
T	THD >30%
C	Compatible
/	Not tested
NA	Not applicable

NO.	BALLAST NO.	BRAND	PART #	START METHOD	# OF LAMPS	BF		LAMP CONNECTION	ENCLOSED FIXTURES?	1 LAMP		2 LAMP	
						TYPE	VALUE			120 VAC	277 VAC	120 VAC	277 VAC
1	1	Philips-Advance	ICN-2P32-N	IS	2	N	0.89	Parallel	YES	HT	HT	C	C
2	2	Philips-Advance	IOPA-2P32-N	IS	2	N	0.89	Parallel	YES	C	C	C	C
3	4	Philips-Advance	IOP-2P32-LW-N	IS	2	L	0.77	Parallel	YES	C	C	C	C
4	5	OSRAM SYLVANIA	QTP 2X32T8/UNV ISN-SC	IS	2	N	0.88	Parallel	YES	C	C	C	C
5	6	OSRAM SYLVANIA	QHE 2X32T8/UNV ISN-SC	IS	2	N	0.88	Parallel	YES	C	C	C	C
6	7	OSRAM SYLVANIA	QHE 2X32T8/UNV ISL-SC	IS	2	L	0.78	Parallel	YES	C	C	C	C
7	8	General Electric	GE-232-MV-N	IS	2	N	0.88	Parallel	Yes	C	C	C	C
8	9	General Electric	GE232MAX-N/ULTRA	IS	2	N	0.88	Parallel	YES	C	C	F	F
9	10	Universal Lighting Technologies	B232IUNVHP-N	IS	2	N	0.88	Parallel	YES	N	N	C	C
10	11	Universal Lighting Technologies	B232IUNVEL-A	IS	2	L	0.77	Parallel	YES	C	C	C	C
11	12	Universal Lighting Technologies	B233IUNVHE-A	IS	2	N	0.87	Parallel	YES	C	C	C	C
12	13	ESPEN	VE232MVHIPE	IS	2	N	0.89	Parallel	YES	C	C	C	C
13	14	ESPEN	VE232MVHIPHE	IS	2	H	1.19	Parallel	NO	HT	HT	C	C
14	15	Philips-Advance	IOPA-3P32-LW-N	IS	3	L	0.76	Parallel	Yes	C	C	C	C
15	16	OSRAM SYLVANIA	QHE 3X32T8/UNV ISH-SC	IS	3	H	1.18	Parallel	NO	N	N	N	N
16	17	Philips-Advance	IOPA-4P32-N	IS	4	N	0.87	Parallel	YES	N	N	N	N
17	19	Philips-Advance	IOP-4P32-N	IS	4	N	0.87	Parallel	YES	N	N	N	N
18	20	Philips-Advance	IOP-4P32-LW-N	IS	4	L	0.77	Parallel	YES	C	C	C	C

AM CONSERVATION GROUP//COMMERCIAL LIGHTING

LED T8 | UL TYPE A | DIRECT REPLACEMENT | L15T8G40A, L15T8G50A

NO.	BALLAST NO.	BRAND	PART #	START METHOD	# OF LAMPS	BF		LAMP CONNECTION	ENCLOSED FIXTURES?	1 LAMP		2 LAMP	
						TYPE	VALUE			120 VAC	277 VAC	120 VAC	277 VAC
19	21	Philips-Advance	ICN-4P32-N	IS	4	N	0.90	Parallel	YES	C	C	C	C
20	22	General Electric	GE432MAX-H/ULTRA	IS	4	H	1.18	Parallel	NO	C	P,T	C	P,T
21	23	General Electric	GE432MAX-L/ULTRA	IS	4	L	0.78	Parallel	YES	C	C	C	C
22	24	OSRAM SYLVANIA	QHE 4X32T8/UNV ISN-SC	IS	4	N	0.88	Parallel	YES	C	C	C	C
23	25	OSRAM SYLVANIA	QHE 4X32T8/UNV ISL-SC	IS	4	L	0.78	Parallel	YES	C	C	C	C
24	26	Philips-Advance	IOP-1P32-N	IS	1	N	0.89	n.a	YES	NC	NC	NC	NC
25	27	Philips-Advance	IOP-2P32HL-SC	IS	2	H	1.18	Parallel	NO	NC	NC	NC	NC
26	28	General Electric	GE-232-MAX-H/Ultra	IS	2	H	1.15	Parallel	NO	NC	NC	NC	NC
27	29	HOWARD INDUSTRIES	EPH4/32IS/MV/SC/HE	IS	4	H	1.16	Parallel	NO	NC	NC	NC	NC
28	30	HOWARD INDUSTRIES	EP3/32IS/MV/SC/HE	IS	3	N	0.87	Parallel	YES	C	C	C	C
29	31	HOWARD INDUSTRIES	EPL4/32IS/MV/MC/HE	IS	4	L	0.77	Parallel	YES	C	C	C	C
30	32	ProLume	EP232IS/L/MV/SL	IS	2	L	0.78	Parallel	YES	C	C	C	C
31	33	Prolume	E432IS/120/R/SL	IS	4	N	0.87	Parallel	YES	P,T	NA	P,T	NA
32	34	General Electric	GE432MAX-G-N	IS	4	N	0.88	Parallel	YES	C	C	C	C
33	35	Universal Lighting Technologies	B432IUNVHE L-A	IS	4	L	0.77	Parallel	YES	C	C	C	C
34	36	OSRAM SYLVANIA	QTP 4x32T8/UNV ISN-SC	IS	4	N	0.88	Parallel	YES	NA	NA	NC	NC
35	37	Philips-Advance	ICN-1P32-N	IS	1	N	0.91	n.a	YES	NA	NA	NC	NC
36	38	Philips-Advance	IOPA-1P32-N	IS	1	N	0.88	n.a	YES	NA	NA	NC	NC
37	39	General Electric	GE132MAX-G-N	IS	1	N	0.88	n.a	YES	NA	NA	NC	NC
38	40	General Electric	GE132MAX-H/ULTRA	IS	1	H	1.18	n.a	NO	NA	NA	NC	NC
39	41	General Electric	GE132MAX-L/ULTRA	IS	1	L	0.78	n.a	YES	NA	NA	NC	NC
40	42	General Electric	GE132MAXP-N/ULTRA	IS	1	N	0.88	n.a	YES	NA	NA	C	C

AM CONSERVATION GROUP//COMMERCIAL LIGHTING

LED T8 | UL TYPE A | DIRECT REPLACEMENT | L15T8G40A, L15T8G50A

NO.	BALLAST NO.	BRAND	PART #	START METHOD	# OF LAMPS	BF		LAMP CONNECTION	ENCLOSED FIXTURES?	1 LAMP		2 LAMP	
						TYPE	VALUE			120 VAC	277 VAC	120 VAC	277 VAC
41	43	OSRAM SYLVANIA	QHE 1X32T8/UNV ISN-SC	IS	1	N	0.88	n.a	YES	NA	NA	C	C
42	44	OSRAM SYLVANIA	QHE 1X32T8/UNV ISL-SC	IS	1	L	0.78	n.a	YES	NA	NA	C	C
43	46	ESPEN	VE232MVHIPLE	IS	2	L	0.77	Parallel	YES	C	C	C	C
44	48	Philips-Advance	REB-2P32-SC	IS	2	N	0.88	Parallel	YES	NC	NA	NC	NA
45	49	General Electric	GE232MV-N-DIY	IS	2	N	0.88	Parallel	YES	C	C	C	C
46	51	General Electric	GE232MAX-L/ULTRA	IS	2	L	0.78	Parallel	YES	NC	NC	NC	NC
47	52	General Electric	GE232MAX347-N	IS	2	H	1.02	Parallel	NO	NA	F(347V)	NA	F(347V)
48	53	Halco	EP232IS/MV/HE	IS	2	N	0.88	Parallel	YES	C	C	C	C
49	54	Universal Lighting Technologies	B232IUNVHEH-A	IS	2	H	1.18	Parallel	NO	HT	HT	HT	HT
50	56	HOWARD INDUSTRIES	EPH2/321S/MV/MC/HE	IS	2	H	1.18	Parallel	NO	HT	HT	C	C
51	58	MAXLITE	SKEU322HEL/SC	IS	2	L	0.77	Parallel	YES	C	C	C	C
52	59	KEYSTONE	KTEB-232-UV-IS-N-P	IS	2	N	0.87	Parallel	YES	C	F	C	C
53	61	Philips-Advance	IOPA-3P32-N	IS	3	N	0.86	Parallel	YES	N	N	N	N
54	62	Philips-Advance	IOP-3P32-N	IS	3	N	0.87	Parallel	YES	N	N	N	N
55	63	General Electric	GE332MV-N	IS	3	N	0.87	Parallel	YES	C	C	C	C
56	64	General Electric	GE332MAX-N/ULTRA	IS	3	N	0.88	Parallel	YES	C	C	C	C
57	66	General Electric	GE332MAX-G-N	IS	3	N	0.87	Parallel	YES	C	C	C	C
58	67	General Electric	GE332MAXP-H/ULTRA	IS	3	H	1.18	Parallel	NO	HT	HT	HT	HT
59	68	OSRAM SYLVANIA	QTP 3X32T8/UNV ISN-SC	IS	3	N	0.88	Parallel	YES	C	C	C	C
60	69	OSRAM SYLVANIA	QHE 3X32T8/UNV ISN-SC	IS	4	N	0.88	Parallel	YES	C	C	C	C
61	70	OSRAM SYLVANIA	QHE 3X32T8/UNV ISL-SC	IS	3	L	0.78	Parallel	YES	C	C	C	C
62	71	Universal Lighting Technologies	B332IUNVHP-A	IS	3	N	0.88	Parallel	YES	C	C	C	C

AM CONSERVATION GROUP//COMMERCIAL LIGHTING

LED T8 | UL TYPE A | DIRECT REPLACEMENT | L15T8G40A, L15T8G50A

NO.	BALLAST NO.	BRAND	PART #	START METHOD	# OF LAMPS	BF		LAMP CONNECTION	ENCLOSED FIXTURES?	1 LAMP		2 LAMP	
						TYPE	VALUE			120 VAC	277 VAC	120 VAC	277 VAC
63	72	MAXLITE	SKEU324HE/SC	IS	4	N	0.88	Parallel	YES	C	C	C	C
64	73	MAXLITE	SKEU323L/SC	IS	3	L	0.78	Parallel	YES	C	C	C	C
65	74	Halco	EP332IS/MV/HE	IS	3	N	0.87	Parallel	YES	C	C	C	C
66	76	Universal Lighting Technologies	B432IUNVHP-A	IS	4	N	0.88	Parallel	YES	C	C	C	C
67	77	Halco	EP432IS/MV/HE	IS	4	N	0.88	Parallel	YES	C	C	C	C
68	78	Halco	EP432IS/L/MV/HE	IS	4	L	0.78	Parallel	YES	C	C	C	C
69	79	Philips-Advance	REB-4P32-SC	IS	4	N	0.81	Parallel	YES	NC	NA	NC	NA
70	80	Philips-Advance	IOP-4P32-HL-SC	IS	4	H	1.18	Parallel	NO	NC	NC	NC	NC
71	82	General Electric	GE432MV-N-42T	IS	4	N	0.93	Parallel	YES	NC	NC	NC	NC
72	83	General Electric	GE432MAX-N/ULTRA	IS	4	N	0.88	Parallel	YES	C	C	C	C
73	84	General Electric	GE432MAX347-N	IS	4	N	0.94	Parallel	YES	NA	C(347V)	NA	C(347V)
74	85	MAXLITE	MLEU322HEL/SC	IS	2	N	0.83	Parallel	YES	C	C	C	C
75	86	MAXLITE	MLEU323H/SC	IS	3	H	1.18	Parallel	NO	NC	NC	NC	NC
76	87	TCP	E2P32ISUNVHE	IS	2	H	1.18	Parallel	NO	NC	F	NC	F
77	88	TCP	E4P32ISUNVLE	IS	4	L	0.78	Parallel	YES	F	F	F	F
78	89	Universal Lighting Technologies	B232I120RES-A	IS	2	N	0.88	Parallel	YES	P,T	NA	P,T	NA
79	91	General Electric	GE232MAXP90-V60	IS	2	H	1.18	Parallel	NO	NC	NC	NC	NC
80	92	HOWARD INDUSTRIES	E2/32IS-120MC	IS	2	N	0.85	Parallel	YES	P,T	NA	C	NA
81	93	HOWARD INDUSTRIES	EPL2/32IS/MV/MC/HE	IS	2	L	0.78	Parallel	YES	F	F	F	F
82	94	PLUSRITE	BAF232IS/MV	IS	2	N	0.89	Parallel	YES	C	C	C	C
83	95	General Electric	GE332MAXP90-V60	IS	3	H	1.18	Parallel	NO	NC	NC	NC	NC

AM CONSERVATION GROUP//COMMERCIAL LIGHTING

LED T8 | UL TYPE A | DIRECT REPLACEMENT | L15T8G40A, L15T8G50A

NO.	BALLAST NO.	BRAND	PART #	START METHOD	# OF LAMPS	BF		LAMP CONNECTION	ENCLOSED FIXTURES?	1 LAMP		2 LAMP	
						TYPE	VALUE			120 VAC	277 VAC	120 VAC	277 VAC
84	96	General Electric	GE432MAXP90-S60	IS	4	H	1.18	Parallel	NO	NC	NC	NC	NC
85	97	EIKO	PM-2X32T8-UNV-IS-L	IS	2	L	0.77	Parallel	YES	C	C	C	C
86	98	EIKO	PM-3X32T8-UNV-IS	IS	3	N	0.87	Parallel	YES	C	C	C	C
87	99	EIKO	PM-3X32T8-UNV-IS-H	IS	3	H	1.18	Parallel	NO	HT	HT	C	C
88	200	EIKO	PM-3X32T8-UNV-IS-L	IS	3	L	0.78	Parallel	YES	C	C	C	C
89	201	HOWARD INDUSTRIES	EPL3/32IS/MV/SC/HE	IS	3	L	0.78	Parallel	YES	C	C	C	C
90	202	PLUSRITE	BAF332IS/MV	IS	3	N	0.88	Parallel	YES	C	C	C	C
91	203	TCP	E3P32ISUNVE	IS	3	N	0.88	Parallel	YES	C	C	C	C
92	204	TCP	E3P32ISUNVLE	IS	3	L	0.78	Parallel	YES	C	F	C	C
93	205	TCP	E4P32ISUNVE	IS	4	N	0.88	Parallel	YES	C	C	C	C
94	206	TCP	E4P32ISUNVHE	IS	4	N	1.18	Parallel	YES	HT	HT	HT	HT
95	207	HOWARD INDUSTRIES	EP4/32IS/MV/MC/HE	IS	4	N	0.88	Parallel	YES	C	C	C	C
184	208	Fulham	WHCG4-120-T8-IS	IS	4	N	0.86	Parallel	YES	NC	NA	NC	NA
185	209	PES	PES120ET8-12SMT-4	IS	4	N	0.88	Parallel	YES	NC	NA	NC	NA
98	210	EIKO	PM-4X32T8-UNV-IS	IS	4	N	0.88	Parallel	YES	C	C	C	C
99	211	EIKO	PM-4X32T8-UNV-IS-L	IS	4	L	0.78	Parallel	YES	C	C	C	C
100	212	Universal Lighting Technologies	B132IUNVHP-N	IS	1	N	0.88	n.a	YES	NA	NA	C	C
101	213	SOLA	E-758-U-232-MC	IS	2	N	0.88	Parallel	YES	NC	F,N	NC	F,N
102	214	HOWARD INDUSTRIES	EP2/32IS/MV/MC/HE	IS	2	N	0.89	Parallel	YES	C	C	C	C
103	215	HOWARD INDUSTRIES	EP3/32IS/MV/MC/HE	IS	3	N	0.88	Parallel	YES	C	C	C	C
104	216	WORK HORSE	WHSG3-UNV-T8-IS	IS	3	N	0.99	Parallel	YES	C	C	C	C

AM CONSERVATION GROUP//COMMERCIAL LIGHTING

LED T8 | UL TYPE A | DIRECT REPLACEMENT | L15T8G40A, L15T8G50A

NO.	BALLAST NO.	BRAND	PART #	START METHOD	# OF LAMPS	BF		LAMP CONNECTION	ENCLOSED FIXTURES?	1 LAMP		2 LAMP	
						TYPE	VALUE			120 VAC	277 VAC	120 VAC	277 VAC
105	217	WORK HORSE	WMSG4-UNV-T8-IS	IS	4	N	0.96	Parallel	YES	C	C	C	C
106	218	KEYSTONE	KTEB-432RIS-1-TP-SL	IS	4	N	0.80	Parallel	YES	NC	NA	NC	NA
107	219	MAXLITE	MLEU324HE/SC	IS	4	N	0.88	Parallel	YES	C	C	C	C
108	220	SUNPARK	120-1/32IS HPF	IS	1	N	0.88	NA	YES	NA	NA	T	NA
109	221	Superior Life	70201	IS	2	N	0.88	Parallel	YES	C	F	C	C
110	222	SUNPARK	U-2/32IS HBF	IS	2	H	1.18	Parallel	NO	C	C	C	C
111	223	SUNPARK	U-2/32ISE-LBF	IS	2	L	0.78	Parallel	YES	C	C	C	C
112	224	SUNPARK	U-3/32ISE	IS	3	N	0.88	Parallel	YES	C	C	C	C
113	225	SUNPARK	U-3/32ISE-HBF	IS	3	H	1.18	Parallel	NO	HT	HT	C	C
114	226	SUNPARK	120-3/32IS MPF	IS	3	N	0.88	Parallel	YES	NC	NA	NC	NA
115	227	SUNPARK	U-4/32IS HP,F	IS	4	N	0.88	Parallel	YES	C	C	C	C
116	228	SUNPARK	U-4/32IS HBF	IS	4	H	1.18	Parallel	NO	HT	HT	C	C
117	229	SUNPARK	U-4/32ISE-LBF	IS	4	L	0.77	Parallel	YES	C	C	C	C
206	230	Philips-Advance	ICN-4P32-SC	IS	4	N	0.89	Parallel	YES	C	C	C	C
119	231	EIKO	PM-2X32T8-UNV-IS	IS	2	N	0.87	Parallel	YES	C	C	C	C
120	232	KEYSTONE	KTEB-332-UV-IS-N-P	IS	3	N	0.87	Parallel	YES	C	C	C	C
121	233	KEYSTONE	KTEB-432-UV-IS-N-P	IS	4	N	0.87	Parallel	YES	C	C	C	C
122	234	General Electric	GE432MAX-H/ULTRA	IS	4	H	1.18	Parallel	NO	HT	HT	C	C
123	235	Philips-Advance	ICN-3P32-N	IS	3	N	0.88	Parallel	YES	N	N	N	N
124	236	Halco	EP232IS/L/MV/HE	IS	2	L	0.78	Parallel	YES	C	C	C	C
125	237	Halco	EP232IS/H/MV/HE	IS	2	H	1.18	Parallel	NO	HT	HT	C	C
126	238	Halco	EP332IS/L/MV/HE	IS	3	L	0.78	Parallel	YES	C	C	C	C

AM CONSERVATION GROUP//COMMERCIAL LIGHTING

LED T8 | UL TYPE A | DIRECT REPLACEMENT | L15T8G40A, L15T8G50A

NO.	BALLAST NO.	BRAND	PART #	START METHOD	# OF LAMPS	BF		LAMP CONNECTION	ENCLOSED FIXTURES?	1 LAMP		2 LAMP	
						TYPE	VALUE			120 VAC	277 VAC	120 VAC	277 VAC
127	239	Halco	EP432IS/120/MC	IS	4	N	0.88	Parallel	YES	C	NA	C	NA
128	240	Philips-Advance	VEL-2P32-SC	IS	2	N	0.88	Parallel	YES	NA	T	NA	C
129	241	Universal Lighting Technologies	B232IUNVHP-B	IS	2	N	0.88	Parallel	YES	F	C	F	C
130	242	OSRAM SYLVANIA	QTP2x32T8/277 ISN-D	IS	2	L	0.78	Parallel	YES	NA	C	NA	C
131	243	KEYSTONE	KTEB-232LBF-1-TP-PIC-EV	IS	2	N	0.88	Parallel	YES	S	NA	S	NA
132	244	HATCH	HL232BIS/UV/HE/W	IS	2	N	0.9	Parallel	YES	C	C	C	C
133	245	HATCH	HL432BIS/UV/HE/W	IS	4	N	0.9	Parallel	YES	C	C	C	C
134	246	HOWARD INDUSTRIES	EPH3/32IS/MV/MC/HE	IS	3	N	0.91	Parallel	NO	HT	HT	HT	HT
135	247	ARCATA	ACT 3P32ISUNVLE	IS	3	L	0.78	Parallel	YES	C	C	C	C
136	248	LIGHTING PRODUCTS LIMITED	EB-332EBF-UV-TP-HE	IS	3	L	0.78	Parallel	YES	C	C	C	C
137	251	KEYSTONE	KTEB-332-UV-IS-H-P	IS	3	H	1.18	Parallel	NO	NC	NC	NC	NC
138	252	KEYSTONE	KTEB-432-UV-IS-H-P	IS	4	H	1.18	Parallel	NO	HT	HT	HT	HT
139	253	TOPAZ	B232IUNVHEH/A-TPZ	IS	2	H	1.18	Parallel	NO	C	C	C	C
140	256	DAMAR	EL232-120/277HF(1688B)	IS	2	N	/	Parallel	YES	C	NC	C	C
141	259	DAMAR	EL332HL-120/277HF(3654H)	IS	3	H	/	Parallel	NO	HT	HT	C	C
142	260	DAMAR	EL432-120/277HF(3093B)	IS	4	N	/	Parallel	YES	C	C	C	C
143	261	DAMAR	EL432HL-120/277HF(3093C)	IS	4	H	/	Parallel	NO	C	F	C	C
144	262	Philips-Advance	IOPA-2P32-HL-N	IS	2	H	1.18	Parallel	NO	N	N	N	N
145	263	Plusrite	BAF232IS/MV/L	IS	2	L	0.78	Parallel	YES	C	C	C	C
146	264	Plusrite	BAF332IS/MV/L	IS	3	L	0.78	Parallel	YES	N	N	N	N
147	265	Plusrite	BAF432IS/MV	IS	4	N	0.88	Parallel	YES	C	C	C	C

AM CONSERVATION GROUP//COMMERCIAL LIGHTING

LED T8 | UL TYPE A | DIRECT REPLACEMENT | L15T8G40A, L15T8G50A

NO.	BALLAST NO.	BRAND	PART #	START METHOD	# OF LAMPS	BF		LAMP CONNECTION	ENCLOSED FIXTURES?	1 LAMP		2 LAMP	
						TYPE	VALUE			120 VAC	277 VAC	120 VAC	277 VAC
148	266	Plusrite	BAF432IS/MV/L	IS	4	L	0.78	Parallel	YES	C	C	C	C
149	268	Watran	DB-232N-MV-TP-HE	IS	2	N	0.87	Parallel	YES	C	C	C	C
150	269	Watran	DB-332N-MV-TP-HE	IS	3	N	0.87	Parallel	YES	C	C	C	C
151	270	Watran	DB-432N-MV-TP-HE	IS	4	N	0.87	Parallel	YES	F	C	F	C
152	271	Watran	DB-432L-MV-TP-HE	IS	4	L	0.77	Parallel	YES	C	C	C	C
153	272	Watran	DB-232N-MV-TP-HE□SC□	IS	2	N	0.87	Parallel	YES	C	C	C	C
154	273	ACT	ACT 2P32ISUNVE	IS	2	N	0.89	Parallel	YES	C	C	C	C
155	274	ANTRON ELECTRONICS	A32T8MICLO	IS	2	L	0.78	Parallel	YES	C	C	C	C
156	277	EIKO	PM-2x32T8-UNV-IS-H	IS	2	H	1.18	Parallel	NO	HT	HT	C	C
254	278	KEYSTONE	KTLD-2T8LED-UV-IS-VDIM	IS	2	/	/	Parallel	NO	S	S	S	S
158	279	OSRAM SYLVANIA	QHE 3x32T8/UNV ISH HT-SC	IS	3	H	1.18	Parallel	NO	HT	HT	HT	HT
159	280	Philips-Advance	VEL-2P32-RH-TP	IS	2	N	/	Parallel	YES	NA	P,T	NA	P,T
160	281	OSRAM SYLVANIA	QHE 4x32T8/UNV ISH HT-1	IS	4	H	1.18	Parallel	NO	NC	NC	NC	NC
161	282	Philips-Advance	IOP-3P32HL-90C-SC	IS	3	H	1.22	Parallel	NO	NC	NC	NC	NC
162	283	TCP	TCP3P32ISUNVH	IS	3	H	1.18	Parallel	NO	HT	HT	C	C
163	284	Philips-Advance	IOP-4P32-SC	IS	4	N	0.87	Parallel	YES	S	S	S	S
164	286	Philips-Advance	IOPA-4P32-SC	IS	4	N	0.92	Parallel	YES	C	C	C	C
165	287	Universal Lighting Technologies	B432IUNVHE-A	IS	4	N	0.87	Parallel	YES	C	C	C	C
166	288	Universal Lighting Technologies	B432IUNVHEH-E	IS	4	H	1.15	Parallel	NO	C	C	C	C
167	289	General Electric	GE232MAX-G-L	IS	2	L	0.77	Parallel	YES	C	C	C	C
168	291	OSRAM SYLVANIA	QHE 4x32T8/UNV ISH-SC	IS	4	H		Parallel	NO	NC	NC	NC	NC
169	292	General Electric	GE332MAXP-L/ULTRA	IS	3	L	0.77	Parallel	YES	C	C	C	C

AM CONSERVATION GROUP//COMMERCIAL LIGHTING

LED T8 | UL TYPE A | DIRECT REPLACEMENT | L15T8G40A, L15T8G50A

NO.	BALLAST NO.	BRAND	PART #	START METHOD	# OF LAMPS	BF		LAMP CONNECTION	ENCLOSED FIXTURES?	1 LAMP		2 LAMP	
						TYPE	VALUE			120 VAC	277 VAC	120 VAC	277 VAC
170	293	Universal Lighting Technologies	B232I277RH-A	IS	4	H	1.09	Parallel	NO	NA	P,T	NA	C
171	295	Pacific Fluorescent	EB-232IS-120-RES	IS	2	N	/	Parallel	YES	NC	NA	NC	NA
172	296	OSRAM SYLVANIA	QT 2x32/347 ISH-SC	IS	2	H	1.20	Parallel	NO	NA	C(347V)	NA	C(347V)
173	297	OSRAM SYLVANIA	QHE 1X32T8/UNV ISH-SC	IS	1	L	0.77	NA	YES	NA	NA	C	C
174	298	Philips-Advance	ICN-132-MC	IS	1	N	0.88	NA	YES	NA	NA	NC	NC
175	299	Philips-Advance	ICN-2P16-TLED-N	IS	2	N	/	NA	YES	NC	NC	NC	NC
176	1001	Philips-Advance	ICN-4P16-TLED-N	IS	4	N	/	Parallel	YES	NC	NC	NC	NC
177	1002	ESPEN	VE2P32MVHIPE	IS	2	N	0.89	Parallel	YES	C	C	C	C
178	1003	General Electric	GE232MAX-G-N	IS	2	N	0.88	Parallel	YES	C	C	C	C
179	1004	Universal Lighting Technologies	B332IHRVHB-E	IS	3	H	/	Parallel	NO	S	S	S	S
180	1005	General Electric	GE-232-MAX-H-42T	IS	2	H	/	Parallel	NO	HT	HT	HT	HT
181	1006	General Electric	GE432MAX-H-42T	IS	4	H	/	Parallel	NO	HT	HT	HT	HT
182	1007	Cooper Lighting	CL-432ISUNV-R1-B	IS	4	H	1.18	Parallel	NO	C	C	C	C
183	1008	TCP	E3P32ISUNVHE	IS	3	H	/	Parallel	NO	HT	HT	F	NC
184	1009	General Electric	332MAX-H-84TS	IS	3	H	/	Parallel	NO	HT	HT	HT	HT
185	1010	General Electric	332MAX-H-42T	IS	3	H	/	Parallel	NO	HT	HT	HT	HT
186	1011	General Electric	GE432MAX-G-H	IS	4	H	1.18	Parallel	NO	HT	HT	C	C
187	1012	Philips-Advance	ICN-3P32-SC	IS	3	N	0.89	Parallel	YES	C	C	C	C
188	1013	Philips-Advance	VEL-3P32-SC	IS	3	N	0.88	Parallel	YES	NA	C	NA	C
189	1014	Philips-Advance	REL-2P32-RH-TP	IS	2	H	/	Parallel	NO	P,T	NA	P,T	NA
190	1017	KEYSTONE	KTEB-232-UV-IS-L-P	IS	2	L	/	Parallel	YES	C	C	C	C

AM CONSERVATION GROUP//COMMERCIAL LIGHTING

LED T8 | UL TYPE A | DIRECT REPLACEMENT | L15T8G40A, L15T8G50A

NO.	BALLAST NO.	BRAND	PART #	START METHOD	# OF LAMPS	BF		LAMP CONNECTION	ENCLOSED FIXTURES?	1 LAMP		2 LAMP	
						TYPE	VALUE			120 VAC	277 VAC	120 VAC	277 VAC
191	1020	Universal Lighting Technologies	B3321277RH-A	IS	3	N	0.88	Parallel	YES	NA	P,T	NA	C
192	1021	Philips-Advance	IOPA-2P32-LW-N	IS	2	L	0.76	Parallel	YES	C	C	C	C
193	1022	Philips-Advance	IOPA-4P32-LW-N	IS	4	L	0.76	Parallel	YES	C	C	C	C
194	1023	OSRAM SYLVANIA	QHE 4X32T8/UNV ISH	IS	4	H	/	Parallel	NO	C	C	C	C
195	1025	SYLVANIA	QT 4x32 T8/347 ISN-SC	IS	4	N	/	Parallel	YES	NA	N(347V)	NA	N(347V)
196	1026	OSRAM	QHE 2X32T8/347 ISN-SC	IS	2	H	/	Parallel	NO	NA	C(347V)	NA	C(347V)
197	1027	OSRAM	QHE 4X32T8/347 ISN-SC	IS	4	H	/	Parallel	NO	NA	C(347V)	NA	C(347V)
198	1028	Philips-Advance	IOPA-3P32-LW-SC	IS	3	L	0.78	Parallel	YES	C	C	C	C
199	1029	STANDARD	E232T8IS120-277/N/AS	IS	2	N	0.88	Parallel	YES	C	C	C	C
200	1030	General Electric	GE232MAXP-N/ULTRA	IS	2	/	/	Parallel	YES	C	C	C	C
201	1031	General Electric	GE332MAXP-N/ULTRA	IS	3	/	/	Parallel	YES	C	C	C	C
202	1032	SYLVANIA	QT 2x32277 IS-SC	IS	2	/	/	Parallel	YES	NA	P,T	NA	C
203	1033	General Electric	GE332MAX-NSL84T	IS	3	/	/	Parallel	NO	NC	NC	NC	NC
204	1034	General Electric	GE432MV-N	IS	4	/	/	Parallel	YES	C	C	C	C
205	1035	Philips-Advance	IOP-1P32-LW-N	IS	1	L	0.77	Parallel	YES	NA	NA	C	C
206	1036	Philips-Advance	IOP-1P32-SC	IS	1	N	0.87	Parallel	YES	NA	NA	C	C
207	1037	Philips-Advance	IOP-2P32-LW-SC	IS	2	L	0.77	Parallel	YES	C	T	C	F
208	1038	Philips-Advance	IOP-3P32-LW-SC	IS	3	L	0.77	Parallel	YES	C	F	C	F
209	1039	Philips-Advance	IOP-4P32-LW-SC	IS	4	L	0.77	Parallel	YES	NC	NC	NC	NC
210	1040	Universal Lighting Technologies	B1321UNVEL-A	IS	1	L	0.77	Parallel	YES	NA	NA	C	C
211	1042	SYLVANIA	QT 2X32/347LP	IS	2	/	/	Parallel	NO	NA	N(347V)	NA	N(347V)
212	1043	SYLVANIA	QT 4X32/347LP	IS	4	/	/	Parallel	NO	NA	N(347V)	NA	N(347V)

AM CONSERVATION GROUP//COMMERCIAL LIGHTING

LED T8 | UL TYPE A | DIRECT REPLACEMENT | L15T8G40A, L15T8G50A

NO.	BALLAST NO.	BRAND	PART #	START METHOD	# OF LAMPS	BF		LAMP CONNECTION	ENCLOSED FIXTURES?	1 LAMP		2 LAMP	
						TYPE	VALUE			120 VAC	277 VAC	120 VAC	277 VAC
213	1047	Philips-Advance	ICN-3P16-TLED-N	IS	3	N	/	Parallel	YES	NC	NC	NC	NC
214	1050	STANDARD	E432T8IS347/N/BULK	IS	4	/	/	Parallel		C(347V)	/	C(347V)	/
215	1051	MOTOROLA	M2-IN-T8-GP-D-277	IS	2	/	/	Parallel		/	C	/	C
216	1052	MOTOROLA	M3-IN-T8-GP-A-277	IS	3	/	/	Parallel	YES	/	C	/	C
217	1085	OSRAM SYLVANIA	QT3x32T8/277 ISN-A	IS	3	/	/	Parallel		NA	C	NA	C
224	101	Philips-Advance	IOP-2PSP32-N	PS	2	N	0.94	Parallel	YES	S	S	S	S
225	102	Philips-Advance	IOP-3PSP32-SC	PS	3	N	0.88	Parallel	YES	C	C	C	C
220	103	Philips-Advance	IOP-3PSP32-LW-SC	PS	3	L	0.69	Parallel	YES	NC	NC	NC	NC
221	104	Philips-Advance	IOP-4PSP32-SC (REV A)	PS	4	N	0.89	Parallel	YES	C	C	C	C
222	105	Philips-Advance	IOP-4PSP32-LW-SC	PS	4	L	0.69	Parallel	YES	C	C	C	C
223	106	OSRAM SYLVANIA	QHE 4X32T8/UNV PSX-SC	PRS	4	L	0.71	Parallel	YES	S	S	S	S
224	107	OSRAM SYLVANIA	QHE 2X32T8/UNV PSH-HT	PRS	2	H	1.18	Parallel	NO	C	C	C	C
225	108	Philips-Advance	IOP-2S32-SC	PS	2	N	0.87	Series	YES	NC	NC	NC	NC
226	109	Philips-Advance	IZT-2S32-SC	DPS	2	N	1.00	Series	YES	NC	NC	NC	NC
227	110	ESPEN	VE232MVRPHT3-AB	DPS	2	H	1.20	Series	NO	S	S	S	S
228	111	PES	PES120DET8	PS	2	N	0.95	Parallel	YES	NC	NA	NC	NA
229	112	Universal Lighting Technologies	B432PUNVHE-A	PS	4	N	0.87	Parallel	YES	C	C	C	C
230	113	General Electric	GE232-MVPS-N	PS	2	N	0.88	Parallel	YES	F	F	F	F
231	115	Universal Lighting Technologies	B232PUNVHE-B	PS	2	N	0.88	Parallel	YES	C	P,T	C	C
232	117	Philips-Advance	IOP-2PSP32-LW-N	PS	2	L	0.71	Parallel	YES	C	C	C	C
233	118	Philips-Advance	IZT-2PSP32-SC	DPS	2	N	1.00	Parallel	YES	S	S	S	S

AM CONSERVATION GROUP//COMMERCIAL LIGHTING

LED T8 | UL TYPE A | DIRECT REPLACEMENT | L15T8G40A, L15T8G50A

NO.	BALLAST NO.	BRAND	PART #	START METHOD	# OF LAMPS	BF		LAMP CONNECTION	ENCLOSED FIXTURES?	1 LAMP		2 LAMP	
						TYPE	VALUE			120 VAC	277 VAC	120 VAC	277 VAC
234	119	Universal Lighting Technologies	B332PUNVHE-A	PS	3	N	0.88	Parallel	YES	C	C	C	C
235	120	General Electric	GE-332-MVPS-N	PS	3	N	0.88	Parallel	YES	C	C	C	C
236	121	OSRAM SYLVANIA	QHE 3X32T8/UNV PSN-SC	PRS	3	N	0.88	Parallel	YES	F	F	F	F
237	122	OSRAM SYLVANIA	QTP 3X32T8/UNV PSX-SC	PRS	3	L	0.71	Series	YES	NC	NC	NC	NC
238	123	OSRAM SYLVANIA	QTP3X32T8/UNV PSN-SC	PRS	3	N	0.88	Series	YES	S	S	S	S
239	124	General Electric	GE432-MVPS-N	PS	4	N	0.88	Parallel	YES	NC	NC	NC	NC
240	125	General Electric	GE432MVPS-N-V03	PS	4	N	0.90	Parallel	YES	NC	NC	NC	NC
241	126	OSRAM SYLVANIA	QHE 4X32T8/UNV PSN-SC	PRS	4	N	0.88	Parallel	YES	F	F	F	F
242	127	OSRAM SYLVANIA	QHE 2X32T8/UNV DIM-TC	PRS	2	N	0.88	Series	YES	S	S	S	S
243	128	Watran	DBG32N-MV-TP-PS-HL	PS	3	H	/	Series	NO	S	S	S	S
244	129	General Electric	GE-232-MV-PS-N	PS	2	N	0.88	Parallel	YES	C	C	C	C
245	130	KEYSTONE	KTEB-2C72-1-TP	PS	1	N	0.97	Parallel	YES	NA	NA	NC	NA
246	131	Robertson	RSZ132T8120	PS	1	N	0.80	n.a	YES	NA	NA	NC	NA
247	132	PES	PES120DET8-12SMT	PS	2	N	0.95	Parallel	YES	NC	NA	NC	NA
248	133	SUNPARK	U-1/32PSE	PS	1	N	0.88	n.a	YES	NA	NA	S	S
249	134	SUNPARK	U-2/32PSE	RS	2	N	0.88	Parallel	YES	S	S	S	S
250	135	SUNPARK	U-2/32PSE-HBF	RS	2	H	1.15	Parallel	NO	S	S	S	S
251	136	SUNPARK	U-232PS3	RS	2	N	0.88	Series	YES	S	S	S	S
252	137	SUNPARK	U-232PS3-HBF	RS	2	H	1.15	Series	NO	NC	NC	NC	NC
253	138	Superior Life	70210	PS	2	N	0.88	Parallel	YES	C	C	C	C
254	139	Superior Life	70211	PS	4	N	0.87	Parallel	YES	C	C	C	C

AM CONSERVATION GROUP//COMMERCIAL LIGHTING

LED T8 | UL TYPE A | DIRECT REPLACEMENT | L15T8G40A, L15T8G50A

NO.	BALLAST NO.	BRAND	PART #	START METHOD	# OF LAMPS	BF		LAMP CONNECTION	ENCLOSED FIXTURES?	1 LAMP		2 LAMP	
						TYPE	VALUE			120 VAC	277 VAC	120 VAC	277 VAC
255	140	SUNPARK	SL15T	PS	2	N	0.88	Series	YES	P,T	NA	P,T	NA
256	141	SUNPARK	LC 12011T	PS	1	H	/	NA	NO	NA	NA	S	NA
257	142	SUNPARK	LC 12013T	PS	1	H	/	NA	NO	NA	NA	S	NA
258	143	Ballast Brand	DXE118M8	PRS	1	N	0.92	n.a	YES	NA	NA	NC	NA
259	144	EIKO	PM-3X32T8-UNV-PS	PS	3	N	0.88	Series	YES	S	S	S	S
260	145	EIKO	PM-3X32T8-UNV-PS-H	PS	3	H	1.18	Series	NO	S	S	S	S
261	146	Philips-Advance	REZ-3S32-SC	DPS	3	N	0.97	Series	YES	NC	NA	NC	NA
262	147	LUTRON	EHDT817MU210	DPRS	2	/	/	Series	NO	NC	NC	NC	NC
263	148	General Electric	GE232MVPS-L-S30	DPS	2	N	0.96	Parallel	YES	S	S	S	S
264	149	General Electric	GE132MVPSN-V03	DPS	1	N	0.88	n.a	YES	NA	NA	C	C
265	150	General Electric	GE332MVPSN-V03	DPS	3	N	0.98	Parallel	YES	S	S	S	S
266	151	OSRAM SYLVANIA	QTP2x32T8/UNV DIM-TC	DPS	2	N	0.88	Series	YES	S	S	S	S
267	152	KEYSTONE	KTEB-132-1-TP-FC	RS	1	N	/	NA	YES	NA	NA	P,T	NA
268	153	Universal Lighting Technologies	B332PUNVHEH-A	PS	3	H	1.18	Parallel	NO	C	C	C	C
269	154	Universal Lighting Technologies	B232PU104S50A	PRS	2	H	1.04	Parallel	NO	S	S	S	S
270	155	DAMAR	EL232DIM/120/277HF	DPS	2	L	/	Series	YES	S	S	S	S
271	157	HOWARD INDUSTRIES	EP2/32PRS/MV/MC/HE	PRS	2	N	0.86	Parallel	YES	S	S	S	S
272	158	HOWARD INDUSTRIES	EP4/32PPRS/MV/SC/HE	PRS	4	N	/	Parallel	YES	C	C	C	C
273	159	KEYSTONE	KTEB-126-1-TP-LC	PS	1	N	0.95	n.a	YES	NA	NA	NC	NA
274	160	Philips-Advance	REZ-2S32-SC	DPS	2	N	/	Series	YES	S	NA	S	NA
275	161	OSRAM SYLVANIA	QHE 1X32T8/UNV DIM-TC	DPS	1	N	0.88	na	YES	NA	NA	S	S
276	162	EIKO	PM-2x32T8-UNV-PS-L	PS	2	L	0.78	Series	YES	NC	NC	NC	NC

AM CONSERVATION GROUP//COMMERCIAL LIGHTING

LED T8 | UL TYPE A | DIRECT REPLACEMENT | L15T8G40A, L15T8G50A

NO.	BALLAST NO.	BRAND	PART #	START METHOD	# OF LAMPS	BF		LAMP CONNECTION	ENCLOSED FIXTURES?	1 LAMP		2 LAMP	
						TYPE	VALUE			120 VAC	277 VAC	120 VAC	277 VAC
277	163	EIKO	PM-2x32T8-UNV-PS	PS	2	N	0.88	Parallel	YES	S	S	S	S
278	164	EIKO	PM-2x32T8-UNV-PS-H	PS	2	H	1.18	Series	NO	NC	NC	NC	NC
279	165	Philips-Advance	IZT-3PSP32-SC	DPS	3	H	1	Parallel	NO	S	S	S	S
280	166	Philips-Advance	REZ-132-SC	DPS	1	H	1	n.a	NO	NA	NA	S	NA
281	167	Universal Lighting Technologies	B232PUNVHP-A	PS	2	N	0.88	Parallel	YES	NC	NC	NC	NC
282	168	OSRAM SYLVANIA	QHE 3X32T8/UNV PSH-HT-SC	DPS	3	H	1.15	Parallel	NO	C	C	C	C
283	169	OSRAM SYLVANIA	QHE 4X32T8/UNV DIM-TCL	DPS	4	N	0.88	Series	YES	NC	NC	NC	NC
284	170	OSRAM SYLVANIA	QHE 3X32T8/UNV DIM-TCL	DPS	3	N	0.88	Series	YES	NC	NC	NC	NC
285	171	OSRAM	QHE 2x32T8/347 PSN-SC	PRS	2	N	0.88	Parallel	YES	NA	C(347V)	NA	C(347V)
286	172	OSRAM SYLVANIA	QHES 2x32T8/UNV PSL-SC	PRS	2	L	0.71	Parallel	YES	S	S	S	S
287	173	EcoSystem	EC5T832GUNV3L	PRS	3	/	/	Parallel	NO	NC	NC	NC	NC
288	174	Philips-Advance	VZT-4S32-HL	DPS	4	/	/	Parallel	NO	NC	NC	NC	NC
289	175	LUTRON	H3DT832CU210	PRS	2	/	/	Parallel	NO	NC	NC	NC	NC
290	177	Universal Lighting Technologies	B232PUS50-A	PRS	2	/	/	Parallel	NO	NC	NC	NC	NC
291	178	Philips-Advance	IOP-1S32-SC	PS	1	N	0.87	Parallel	YES	NA	NA	NC	NC
292	180	General Electric	GE-332-MVPS-H	PS	3	H	/	Parallel	NO	NC	NC	NC	NC