LSG Direct Replacement ("PnP") Compatible Ballast List

✓ compatible
✗ un-compatible
/ not tested

No	Ballast No.	Ballast Brand	Part Number	Start Method	# of Lamps	BF Type	BF Value	Lamp Connection	N-1 Lamp DR G1 120	N-1 Lamp DR G1 277	N-1 Lamp DR G2 120	N-1 Lamp DR G2 277	N-1 Lamp DR G3 120	N-1 Lamp DR G3 277	N-1 Lamp DR G4 120	N-1 Lamp DR G4 277	N-1 Lamp DR EM 120	N-1 Lamp DR EM 277	N-1 Lamp DM 120	N-1 Lamp DM 277	N Lamp DR G1 120	N Lamp DR G1 277	N Lamp DR G2 120	N Lamp DR G2 277	N Lamp DR G3 120	N Lamp DR G3 277	N Lamp DR G4 120	N Lamp DR G4 277	N Lamp DR EM 120	N Lamp DR EM 277	N Lamp DM 120	N Lamp DM 277
1	1	Philips-Advance	ICN-2P32-N	IS	2	N	0.89	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	2	Philips-Advance	IOPA-2P32-N	IS	2	N	0.89	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	3	Philips-Advance	IOP-2P32-N	IS	2	N	0.89	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4	4	Philips-Advance	IOP-2P32-LW-N	IS	2	L	0.77	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	5	OSRAM SYLVANIA	QTP 2X32T8/UNV ISN-SC	IS	2	N	0.88	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	6	OSRAM SYLVANIA	QHE 2X32T8/UNV ISN-SC	IS	2	N	0.88	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7	7	OSRAM SYLVANIA	QHE 2X32T8/UNV ISL-SC	IS	2	L	0.78	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8	8	General Electric	GE-232-MV-N ☐	IS	2	N	0.88	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9	9	General Electric	GE232MAX-N/ULTRA ☐	IS	2	N	0.88	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10	10	Universal Lighting Technologies	B232IUNVHP-N	IS	2	N	0.88	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11	11	Universal Lighting Technologies	B232IUNVEL-A	IS	2	L	0.77	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12	12	Universal Lighting Technologies	B233IUNVHE-A	IS	2	N	0.87	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗
13	13	ESPEN	VE232MVHIPE	IS	2	N	0.89	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
14	14	ESPEN	VE232MVHIPHE	IS	2	H	1.19	Parallel	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15	15	Philips-Advance	IOPA-3P32-LW-N	IS	3	L	0.76	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗
16	16	OSRAM SYLVANIA	QHE 3X32T8/UNV ISH-SC	IS	3	H	1.18	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
17	17	Philips-Advance	IOPA-4P32-N	IS	4	N	0.87	Parallel	✗	✗	✗	✗	✗	✗	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✗	✗	✗	✗
18	18	Philips-Advance	IOPA-4P32-HL-SC	IS	4	H	1.18	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓	✓	✓
19	19	Philips-Advance	IOP-4P32-N	IS	4	N	0.87	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
20	20	Philips-Advance	IOP-4P32-LW-N	IS	4	L	0.77	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
21	21	Philips-Advance	ICN-4P32-N	IS	4	N	0.90	Parallel	✓	✓	✓	✓	✗	✗	✓	✓	✗	✗	✗	✗	✓	✓	✓	✓	✗	✗	✓	✓	✗	✗	✗	✗
22	22	General Electric	GE432MAX-H/ULTRA ☐	IS	4	H	1.18	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗
23	23	General Electric	GE432MAX-L/ULTRA ☐	IS	4	L	0.78	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗
24	24	OSRAM SYLVANIA	QHE 4X32T8/UNV ISN-SC	IS	4	N	0.88	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
25	25	OSRAM SYLVANIA	QHE 4X32T8/UNV ISL-SC	IS	4	L	0.78	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
26	26	Philips-Advance	IOP-1P32-N	IS	1	N	0.89	n.a													✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
27	27	Philips-Advance	IOP-2P32HL-SC	IS	2	H	1.18	Parallel	/	/	/	/	/	/	✗	✗	/	/	/	/	/	/	/	/	/	/	✓	✓	/	/	/	/
28	28	General Electric	GE-232-MAX-H/Ultra ☐	IS	2	H	1.15	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
29	29	HOWARD INDUSTRIES	EPH4/32IS/MV/SC/HE	IS	4	H	1.16	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
30	30	HOWARD INDUSTRIES	EP3/32IS/MV/SC/HE	IS	3	N	0.87	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
31	31	HOWARD INDUSTRIES	EPL4/32IS/MV/MC/HE	IS	4	L	0.77	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
32	32	Halco	EP232IS/L/MV/SL	IS	2	L	0.78	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
33	33	Halco	E432IS/120/R/SL	IS	4	N	0.87	Parallel	✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓	
34	34	General Electric	GE432MAX-G-N	IS	4	N	0.88	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
35	35	Universal Lighting Technologies	B432IUNVHE L-A	IS	4	L	0.77	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
36	36	OSRAM SYLVANIA	QTP 4×32T8/UNV ISN-SC	IS	4	N	0.88	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
37	37	Philips-Advance	ICN-1P32-N	IS	1	H	0.91	n.a													✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
38	38	Philips-Advance	IOPA-1P32-N	IS	1	H	0.88	n.a													✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
39	39	General Electric	GE132MAX-G-N	IS	1	H	0.88	n.a													✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
40	40	General Electric	GE132MAX-H/ULTRA	IS	1	H	1.18	n.a													✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
41	41	General Electric	GE132MAX-L/ULTRA	IS	1	H	0.78	n.a													✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
42	42	General Electric	GE132MAXP-N/ULTRA	IS	1	N	0.88	n.a													✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
43	43	OSRAM SYLVANIA	QHE 1X32T8/UNV ISN-SC	IS	1	N	0.88	n.a													✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
44	44	OSRAM SYLVANIA	QHE 1X32T8/UNV ISL-SC	IS	1	L	0.78	n.a													✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
45	45	OSRAM SYLVANIA	QTP 1X32T8/UNV ISN-SC	IS	1	N	0.88	n.a													✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
46	46	ESPEN	VE232MVHIPLE	IS	2	L	0.77	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
47	47	Philips-Advance	IOPA-2P32HL-SC	IS	2	H	1.18	Parallel	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✗	✓	✗	✓
48	48	Philips-Advance	REB-2P32-SC	IS	2	N	0.88	Parallel	✓		/		✓		✓		/		/		✓		/		✓		✓		/		/	
49	49	General Electric	GE232MV-N-DIY	IS	2	N	0.88	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
50	50	General Electric	GE232-120-RES	IS	2	N	0.83	Parallel	✓	✓	✓	✓	/	/	/	/	✓	✓	/	/	✓	✓	✓	✓	/	/	/	/	✓	✓	/	/
51	51	General Electric	GE232MAX-L/ULTRA	IS	2	L	0.78	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
52	52	General Electric	GE232MAX347-N	IS	2	N	0.87	Parallel	/	/	/	/	/	/	/	347✓	/	/	/	/	/	/	/	/	/	/	/	347✓	/	/	/	/
53	53	Halco	EP232IS/MV/HE	IS	2	N	0.88	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
54	54	Universal Lighting Technologies	B232IUNVHEH-A	IS	2	H	1.18	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗
55	55	OSRAM SYLVANIA	QHE 2X32T8/UNV ISH-SC	IS	2	H	1.20	Parallel	✓	✗	✓	✗	✓	✗	✗	✗	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
56	56	HOWARD INDUSTRIES	EPH2/321S/MV/MC/HE	IS	2	H	1.18	Parallel	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
57	57	SOLA	E-758-F-232-SC	IS	2	N	0.88	Parallel	✓	✓	✓	✓	/	/	/	/	✓	✓	/	/	✓	✓	✓	✓	/	/	/	/	✓	✓	/	/
58	58	MAXLITE	SKEU322HEL/SC	IS	2	L	0.77	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
59	59	KEYSTONE	KTEB-232-UV-IS-N-P	IS	2	N	0.87	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
60	60	Robertson	ISU232T8120 3P20116	IS	2	N	0.88	Parallel	✓		✓		/		/		✓		/		✓		✓		/		/		✓		/	
61	61	Philips-Advance	IOPA-3P32-N	IS	3	N	0.86	Parallel	✗	✗	✗	✗	✗	✗	✓	✓	✗	✗	✓	✓	✗	✗	✗	✗	✗	✗	✓	✓	✗	✗	✓	✓
62	62	Philips-Advance	IOP-3P32-N	IS	3	N	0.87	Parallel	✗	✗	✗	✗	✗	✗	✓	✓	✗	✗	✓	✓	✗	✗	✗	✗	✗	✗	✓	✓	✗	✗	✓	✓
63	63	General Electric	GE332MV-N	IS	3	N	0.87	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
64	64	General Electric	GE332MAX-N/ULTRA	IS	3	N	0.88	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
65	65	General Electric	GE332MAX-L/ULTRA	IS	3	L	0.78	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
66	66	General Electric	GE332MAX-G-N	IS	3	N	0.87	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗
67	67	General Electric	GE332MAXP-H/ULTRA	IS	3	H	1.18	Parallel	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
68	68	OSRAM SYLVANIA	QTP 3X32T8/UNV ISN-SC	IS	3	N	0.88	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
69	69	OSRAM SYLVANIA	QHE 3X32T8/UNV ISN-SC	IS	3	N	0.88	Parallel	✓	✓	✓	✓	✓	✓	/	/	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	/	/	✓	✓	✓	✓
70	70	OSRAM SYLVANIA	QHE 3X32T8/UNV ISL-SC	IS	3	L	0.78	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
71	71	Universal Lighting Technologies	B332IUNVHP-A	IS	3	N	0.88	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
72	72	MAXLITE	SKEU324HE/SC	IS	4	N	0.88	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
73	73	MAXLITE	SKEU323L/SC	IS	3	N	0.78	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
74	74	Halco	EP332IS/MV/HE	IS	3	N	0.87	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
75	75	LumaPro	4KGH1 EB-432IS-120	IS	4	N	0.87	Parallel	✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓	
76	76	Universal Lighting Technologies	B432IUNVHP-A	IS	4	N	0.88	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
77	77	Halco	EP432IS/MV/HE	IS	4	N	0.88	Parallel	✗	✓	✓	✓	✓	✓	✓	✓	✗	✓	✗	✓	✗	✓	✓	✓	✓	✓	✓	✓	✗	✓	✗	✓
78	78	Halco	EP432IS/L/MV/HE	IS	4	L	0.78	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
79	79	Philips-Advance	REB-4P32-SC	IS	4	N	0.81	Parallel	✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓	
80	80	Philips-Advance	IOP-4P32-HL-SC	IS	4	H	1.18	Parallel	✓	✓	✗	✗	✓	✓	✓	✓	✗	✗	✗	✗	✓	✓	✓	✗	✓	✓	✓	✓	✓	✗	✗	✗
81	81	General Electric	GE432-120-RES	IS	4	N	0.83	Parallel	✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓	
82	82	General Electric	GE432MV-N-42T	IS	4	N	?	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
83	83	General Electric	GE432MAX-N/ULTRA	IS	4	N	0.88	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
84	84	General Electric	GE432MAX347-N	IS	4	N	0.88	Parallel	/	/	/	/	/	/	/	347✓	/	/	/	/	/	/	/	/	/	/	/	347✓	/	/	/	/
85	85	MAXLITE	MLEU322HEL/SC	IS	2	L	0.83	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
86	86	MAXLITE	MLEU323H/SC	IS	3	H	1.18	Parallel	✗	✓	✓	✓	✓	✓	✓	✓	✗	✓	✗	✓	✗	✓	✓	✓	✓	✓	✓	✓	✗	✓	✗	✓
87	87	TCP	E2P32ISUNVHE	IS	2	H	1.18	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗
88	88	TCP	E4P32ISUNVLE	IS	4	L	0.78	Parallel	✓	✗	✓	✗	✓	✗	✓	✗	✓	✓	✓	✗	✓	✗	✓	✓	✓	✗	✓	✗	✓	✓	✓	✓
89	89	Universal Lighting Technologies	B232I120RES-A	IS	2	N	0.88	Parallel	✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓	
90	90	Universal Lighting Technologies	B432I120RES-A	IS	4	N	0.80	Parallel	✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓	
91	91	General Electric	GE232MAXP90-V60	IS	2	H	1.18	Parallel	/	/	/	/	/	/	✗	✗	/	/	/	/	/	/	/	/	/	/	✓	✓	/	/	/	/
92	92	HOWARD INDUSTRIES	E2/32IS-120MC	IS	2	N	0.85	Parallel	✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓	
93	93	HOWARD INDUSTRIES	EPL2/32IS/MV/MC/HE	IS	2	L	0.78	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
94	94	PLUSRITE	BAF232IS/MV	IS	2	N	0.89	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
95	95	General Electric	GE332MAXP90-V60	IS	3	H	1.18	Parallel	/	/	/	/	✓	✓	✓	✓	/	/	/	/	/	/	/	/	✓	✓	✓	✓	/	/	/	/
96	96	General Electric	GE432MAXP90-S60	IS	4	H	1.18	Parallel	/	/	/	/	✓	✓	✓	✓	/	/	/	/	/	/	/	/	✓	✓	✓	✓	/	/	/	/
97	97	EIKO	PM-2X32T8-UNV-IS-L	IS	2	L	0.77	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
98	98	EIKO	PM-3X32T8-UNV-IS	IS	3	N	0.87	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓
99	99	EIKO	PM-3X32T8-UNV-IS-H	IS	3	H	1.18	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✗	✓	✗	✓	✓	✓	✓	✓	✓	✓	✗	✓	✗	✓
100	200	EIKO	PM-3X32T8-UNV-IS-L	IS	3	L	0.78	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓
101	201	HOWARD INDUSTRIES	EPL3/32IS/MV/SC/HE	IS	3	L	0.78	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
102	202	PLUSRITE	BAF332IS/MV	IS	3	?	?	?	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

103	203	TCP	E3P32ISUNVE	IS	3	N	0.88	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
104	204	TCP	E3P32ISUNVLE	IS	3	L	0.78	Parallel	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓
105	205	TCP	E4P32ISUNVE	IS	4	N	0.88	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
106	206	TCP	E4P32ISUNVHE	IS	4	H	1.18	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
107	207	HOWARD INDUSTRIES	EP4/32IS/MV/MC/HE	IS	4	N	0.88	Parallel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
108	208	WORK HORSE	WHCG4-120-T8-IS	IS	4	N	0.86	Parallel	✓			✓			✓			✓			✓			✓			✓			✓		
109	209	PES	PES120ET8-12SMT-4	IS	4	N	0.88	?	✗			✗			/			/			✗			✗			✗			/			✗		
110	210	EIKO	PM-4X32T8-UNV-IS	IS	4	N	0.88	Parallel	✗	✓		✓	✓		✓	✓		✗	✓		✗	✓		✗	✓		✓	✓		✓	✓		✗	✓		✓
111	211	EIKO	PM-4X32T8-UNV-IS-L	IS	4	L	0.78	Parallel	✓	✓		✓	✓		✓	✓		✗	✓		✗	✓		✗	✓		✓	✓		✓	✓		✗	✓		✓
112	212	Universal Lighting Technologies	B132IUNVHP-N	IS	1	N	0.88	n.a													✓	✓		✓	✓		✓	✓		✓	✓		✓	
113	213	SOLA	E-758-U-232-MC	IS	2	N	0.88	Parallel	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✗	✓		✓
114	214	HOWARD INDUSTRIES	EP2/32IS/MV/MC/HE	IS	2	N	0.89	Parallel	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓
115	215	HOWARD INDUSTRIES	EP3 / 32IS / MV / MC / HE	IS	3	N	0.88	Parallel	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓
116	216	WORK HORSE	WHSG3-UNV-T8-IS	IS	3	N	0.99	Parallel	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓
117	217	WORK HORSE	WHSG4-UNV-T8-IS	IS	4	N	0.96	Parallel	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓
118	218	KEYSTONE	KTEB-432RIS-1-TP-SL	IS	4	N	0.80	Parallel	✓			✓			✓			✓			✓			✓			✓			✓			✓		
119	219	MAXLITE	MLEU324HE/SC	IS	4	N	0.88	Parallel	✗	✓		✓	✓		✓	✓		✗	✓		✗	✓		✗	✓		✓	✓		✓	✓		✗	✓		✓
120	220	SUNPARK	120-1/32IS HPF	IS	1	N	0.88	n.a													✓			✓			✓			✓			✓		
121	221	Superior Life	70201	IS	2	N	0.88	Parallel	✓	✗		✓	✗		✓	✗		✓	✗		✓	✗		✓	✓		✓	✓		✓	✓		✓	✓		✓
122	222	SUNPARK	U-2/32IS HBF	IS	2	H	1.18	Parallel	✓	✓		✓	✓		✗	✗		✓	✓		✗	✗		✓	✓		✓	✓		✓	✓		✓	✓		✗
123	223	SUNPARK	U-2/32ISE-LBF	IS	2	L	0.78	Parallel	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓
124	224	SUNPARK	U-3/32ISE	IS	3	N	0.88	Parallel	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓
125	225	SUNPARK	U-3/32ISE-HBF	IS	3	H	1.18	Parallel	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓
126	226	SUNPARK	120-3/32IS MP,F	IS	3	N	0.88	Parallel	✓			✓			✓			✓			✓			✓			✓			✓			✓		
127	227	SUNPARK	U-4/32IS HP,F	IS	4	N	0.88	Parallel	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓
128	228	SUNPARK	U-4/32IS HBF	IS	4	H	1.18	Parallel	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓
129	229	SUNPARK	U-4/32ISE-LBF	IS	4	L	0.88	Parallel	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓
130	230	Philips-Advance	ICN-4P32-SC	IS	4	N	0.89	Parallel	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓
131	231	EIKO	PM-2X32T8-UNV-IS	IS	2	N	0.87	Parallel	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓	✓		✓
132	232	KEYSTONE	KTEB-332-UV-IS-N-P	IS	3	N	0.87	Parallel	✓	✓		✓	✓		✓	✓		/	/		/	/		✓	✓		✓	✓		✓	✓		/	/		/
133	233	KEYSTONE	KTEB-432-UV-IS-N-P	IS	4	N	0.87	Parallel	✗	✓		✓	✓		✓	✓		/	/		/	/		✗	✓		✓	✓		✓	✓		/	/		/
134	234	General Electric	GE432MAX-H/ULTRA ☐	IS	4	H	1.18	Parallel	/	/		/	/		✓	✓		/	/		/	/		/	/		✓	✓		✓	✓		/	/		/
135	235	Philips-Advance	ICN-3P32-N	IS	3	N	0.88	Parallel	/	/		✓	✓		✗	✗		✓	✓		/	/		/	/		/	/		✓	✓		✗	✗		✓
136	236	Halco	EP232IS/L/MV/HE	IS	2	L	0.78	Parallel	/	/		/	/		✓	✓		/	/		/	/		/	/		/	/		✓	✓		✓	✓		✓
137	237	Halco	EP232IS/H/MV/HE	IS	2	H	1.18	Parallel	/	/		/	/		✗	✗		/	/		/	/		/	/		/	/		✓	✓		✓	✓		✓
138	238	Halco	EP332IS/L/MV/HE	IS	3	L	0.78	Parallel	/	/		/	/		✓	✓		/	/		/	/		/	/		/	/		✓	✓		✓	✓		✓
139	239	Halco	EP432IS/120/MC	IS	4	N	0.88	Parallel	/	/		/	/		✓	✓		/	/		/	/		/	/		/	/		✓	✓		✓	✓		✓
140	240	Philips-Advance	VEL-2P32-SC	IS	2			Parallel	/	/		/	/		✓	✓		/	/		/	/		/	/		/	/		✓	✓		/	/		/
141	241	Universal Lighting Technologies	B232IUNVHP-B	IS	2			Parallel	/	/		/	/		✓	✓		/	/		/	/		/	/		/	/		✓	✓		/	/		/
142	242	OSRAM SYLVANIA	QTP2x32T8/277 ISN-D	IS	2			Parallel	/	/		/	/		✓	✓		/	/		/	/		/	/		/	/		✓	✓		/	/		/
143	243	KEYSTONE	KTEB-232LBF-1-TP-PIC-EV	IS	2			Parallel	/	/		/	/		✓	✓		/	/		/	/		/	/		/	/		✓	✓		/	/		/
144	244	HATCH	HL232BIS/UV/HE/W	IS	2			Parallel	/	/		/	/		✓	✓		/	/		/	/		/	/		/	/		✓	✓		/	/		/
145	245	HATCH	HL432BIS/UV/HE/W	IS	4			Parallel	/	/		/	/		✓	✓		/	/		/	/		/	/		/	/		✓	✓		/	/		/
146	256	DAMAR	EL232-120/277HF(1688B)	IS	2	N		Parallel	/	/		/	/		/	/		✓	✓		/	/		/	/		/	/		/	/		✓	✓		/
147	257	DAMAR	EL232HL-120/277HF(1688D	IS	2	H		Parallel	/	/		/	/		/	/		✓	✓		/	/		/	/		/	/		/	/		✓	✓		/
148	258	DAMAR	EL332-120/277HF(3654C)	IS	3	N		Parallel	/	/		/	/		/	/		✓	✓		/	/		/	/		/	/		/	/		✓	✓		/
149	259	DAMAR	EL332HL-120/277HF(3654H	IS	3	H		Parallel	/	/		/	/		/	/		✓	✓		/	/		/	/		/	/		/	/		✓	✓		/
150	260	DAMAR	EL432-120/277HF(3093B)	IS	4	N		Parallel	/	/		/	/		/	/		✓	✓		/	/		/	/		/	/		/	/		✓	✓		/
151	261	DAMAR	EL432HL-120/277HF(3093C	IS	4	H		Parallel	/	/		/	/		/	/		✓	✓		/	/		/	/		/	/		/	/		✓	✓		/
152	101	Philips-Advance	IOP-2PSP32-N	PS	2	N	0.94	Parallel	✗	✗		✗	✓		✓	✓		✓	✓		✗	✗		✗	✗		✗	✓		✓	✓		✓	✓		✗	✗
153	102	Philips-Advance	IOP-3PSP32-SC	PS	3	N	0.88	Parallel	✓	✓		✓	✓		✓	✓		✗	✗		✗	✗		✓	✓		✓	✓		✓	✓		✓	✓		✗	✗
154	103	Philips-Advance	IOP-3PSP32-LW-SC	PS	3	L	0.69	Parallel	✓	✓		✓	✓		✓	✓		✗	✗		✗	✗		✓	✓		✓	✓		✓	✓		✓	✓		✗	✗
155	104	Philips-Advance	IOP-4PSP32-SC	PS	4	N	0.89	Parallel	✓	✓		✓	✓		✓	✓		✗	✗		✗	✗		✓	✓		✓	✓		✓	✓		✓	✓		✗	✗
156	105	Philips-Advance	IOP-4PSP32-LW-SC	PS	4	L	0.69	Parallel	✓	✓		✓	✓		✓	✓		✗	✗		✗	✗		✓	✓		✓	✓		✓	✓		✓	✓		✗	✗
157	106	OSRAM SYLVANIA	QHE 4X32T8/UNV PSX-SC	PRS	4	L	0.71	Parallel	✓	✓		✓	✓		✓	✓		✗	✗		✗	✗		✓	✓		✓	✓		✓	✓		✓	✓		✗	✗
158	107	OSRAM SYLVANIA	QHE 2X32T8/UNV PSH-HT	PRS	2	H	1.18	Parallel	✓	✓		✓	✓		✓	✓		✗	✗		✗	✗		✓	✓		✓	✓		✓	✓		✓	✓		✗	✗
159	108	Philips-Advance	IOP-2S32-SC	PS	2	N	0.87	Series	✗	✗		✗	✗		✗	✗		✓	✗		✗	✗		✗	✗		✗	✗		✓	✓		✓	✓		✗	✗
160	109	Philips-Advance	IZT-2S32-SC	DPS	2	N	1.00	Series	✗	✗		✗	✗		✗	✗		✓	✓		✗	✗		✗	✗		✗	✗		✓	✓		✓	✓		✗	✗
161	110	ESPEN	VE232MVHRPHT3-AB	PS	2	H	1.20	Series	✗	✗		✗	✗		✗	✗		/	/		✗	✗		✗	✗		✗	✗		✓	✓		✗	✗		/	/
162	111	PES	PES120DET8	PS	2	N	0.95	Parallel	/	/		/	/		/	/		✗	✗		✗	✗		/	/		/	/		/	/		✗	✗		✗	✗
163	112	Universal Lighting Technologies	B432PUNVHE-A	PS	4	N	0.87	Parallel	✓	✓		✓	✓		✓	✓		✗	✗		✗	✗		✓	✓		✓	✓		✓	✓		✓	✓		✗	✗
164	113	General Electric	GE232-MVPS-N	PS	2	N	0.88	Parallel	✓	✓		✓	✓		✓	✓		✗	✗		✗	✗		✓	✓		✓	✓		✓	✓		✓	✓		✗	✗
165	115	Universal Lighting Technologies	B232PUNVHE-B	PS	2	N	0.88	Parallel	✓	✓		✓	✓		✓	✓		✗	✗		✗	✗		✓	✓		✓	✓		✓	✓		✓	✓		✗	✗
166	116	OSRAM SYLVANIA	QHE 2X32T8/UNV PSN-MC	PRS	2	N	0.88	Parallel	✓	✓		✓	✓		✓	✓		✗	✗		✗	✗		✓	✓		✓	✓		✓	✓		✓	✓		✗	✗
167	117	Philips-Advance	IOP-2PSP32-LW-N	PS	2	L	0.71	Parallel	✓	✓		✓	✓		✓	✓		✗	✗		✗	✗		✓	✓		✓	✓		✓	✓		✓	✓		✗	✗
168	118	Philips-Advance	IZT-2PSP32-SC	DPS	2	N	1.00	Parallel	✗	✗		✗	✗		✗	✗		✓	✓		✗	✗		✗	✗		✗	✗		✗	✗		✓	✓		✗	✗
169	119	Universal Lighting Technologies	B332PUNVHE-A	PS	3	N	0.88	Parallel	✓	✓		✓	✓		✓	✓		✗	✗		✗	✗		✓	✓		✓	✓		✓	✓		✓	✓		✗	✗
170	120	General Electric	GE-332-MVPS-N	PS	3	N	0.88	Parallel	✓	✓		✓	✓		✓	✓		✗	✗		✗	✗		✓	✓		✓	✓		✓	✓		✓	✓		✗	✗
171	121	OSRAM SYLVANIA	QHE 3X32T8/UNV PSN-SC	PRS	3	N	0.88	Parallel	✓	✓		✓	✓		✓	✓		✗	✗		✗	✗		✓	✓		✓	✓		✓	✓		✓	✓		✗	✗
172	122	OSRAM SYLVANIA	QTP 3X32T8/UNV PSX-SC	PRS	3	L	0.71	Series	✗	✗		✗	✗		✗	✗		✗	✗		✗	✗		✗	✗		✗	✗		✓	✓		✓	✓		✗	✗
173	123	OSRAM SYLVANIA	QTP3X32T8/UNV PSN-SC	PRS	3	N	0.88	Series	✗	✗		✗	✗		✗	✗		✗	✗		✗	✗		✗	✗		✗	✗		✓	✓		✓	✓		✗	✗
174	124	General Electric	GE432-MVPS-N	PS	4	N	0.88	Parallel	✓	✓		✓	✓		✓	✓		✗	✗		✗	✗		✓	✓		✓	✓		✓	✓		✓	✓		✗	✗
175	125	General Electric	GE432MVPS-N-V03	PS	4	N	0.90	Parallel	/	/		/	/		/	/		✓	✓		✗	✗		✗	✗		/	/		/	/		/	/		✗	✗
176	126	OSRAM SYLVANIA	QHE 4X32T8/UNV PSN-SC	PRS	4	N	0.88	Parallel	✓	✓		✓	✓		✓	✓		✗	✗		✗	✗		✓	✓		✓	✓		✓	✓		✓	✓		✗	✗
177	127	OSRAM SYLVANIA	QHE 2X32T8/UNV DIM-TC	PRS	2	N	0.88	Series	✗	✗		✗	✗		✗	✗		✗	✗		✗	✗		✗	✗		✗	✗		✓	✓		✓	✓		✗	✗
178	128	Watran	DBG32N-MV-TP-PS-HL	PS	3	?	?	Series	✗	✗		✗	✗		✗	✗		✗	✗		✗	✗		✗	✗		✗	✗		✓	✓		✓	✓		✗	✗
179	129	General Electric	GE-232-MV-PS-N	PS	2	N	0.88	Parallel	✓	✓		✓	✓		✓	✓		✗	✗		✗	✗		✓	✓		✓	✓		✓	✓		✓	✓		✗	✗
180	130	KEYSTONE	KTEB-2C72-1-TP	PS	1	N	0.97	Parallel													✗			✗			/			/			✗			✗	
181	131	Robertson	RSZ132T8120	PS	1	N	0.80	n.a													✗			✗			/			/			✗			✗	
182	132	PES	PES120DET8-12SMT	PS	2	N	0.95	Parallel	✗			✗			/						✗			✗			✗			/			✗			✗	
183	133	SUNPARK	U-1/32PSE	PS	1	N	0.88	n.a													✗	✗		✗	✗		✓	✓		✗	✗		✗	✗		✗	✗
184	134	SUNPARK	U-2/32PSE	RS	2	N	0.88	Series	✗	✗		✗	✗		✗	✗		✗	✗		✗	✗		✗	✗		✓	✓		✗	✗		✗	✗		✗	✗
185	135	SUNPARK	U-2/32PSE-HBF	RS	2	H	1.15	Series	✗	✗		✗	✗		✗	✗		✗	✗		✗	✗		✗	✗		✓	✓		✗	✗		✗	✗		✗	✗
186	136	SUNPARK	U-232PS3	RS	2	N	0.88	Series	✗	✗		✗	✗		✗	✗		✓	✓		✗	✗		✗	✗		✗	✗		✓	✓		✓	✓		✗	✗
187	137	SUNPARK	U-232PS3-HBF	RS	2	H	1.15	Series	✗	✗		✗	✗		✗	✗		✓	✓		✗	✗		✗	✗		✗	✗		✓	✓		✓	✓		✗	✗
188	138	Superior Life	70210	PS	2	N	0.88	Parallel	✓	✓		✓	✓		✓	✓		✗	✗		✗	✗		✓	✓		✓	✓		✓	✓		✓	✓		✗	✗
189	139	Superior Life	70211	PS	4	N	0.87	Parallel	✓	✓		✓	✓		✓	✓		✗	✗		✗	✗		✓	✓		✓	✓		✓	✓		✓	✓		✗	✗
190	140	SUNPARK	SL15T	RS	2	N	0.88	Parallel	✗			✗			✓			✗			✗			✗			✓			✓			✓			✗	
191	141	SUNPARK	LC 12011T	PS	1	?	?	n.a													✗			✗			✓			✓			✗			✗	
192	142	SUNPARK	LC 12013T	PS	1	?	?	n.a													✓			✓			✓			✓			✗			✗	
193	143	Ballast Wise	DXE118M8	PS	1	N	0.92	n.a													/			/			/			/			✗			✗	
194	144	EIKO	PM-3X32T8-UNV-PS	PS	3	N	0.88	Series	✗	✗		✗	✗		✗	✗		✗	✗		✗	✗		✗	✗		✗	✗		✓	✓		✓	✓		✗	✗
195	145	EIKO	PM-3X32T8-UNV-PS-H	PS	3	H	1.18	Series	✗	✗		✗	✗		✗	✗		✗	✗		✗	✗		✗	✗		✗	✗		✓	✓		✗	✗		✗	✗
196	146	Philips-Advance	REZ-3S32-SC	DPS	3	N	0.97	Series	/			/			✗			✗			✗			✗			/			/			✓			✗	
197	148	General Electric	GE232MVPS-L-S30	DPS	2	N	0.96	Parallel	/	/		/	/		✓	✓		✓	✓		✗	✗		✗	✗		/	/		/	/		✓	✓		✗	✗
198	149	General Electric	GE132MVPSN-V03	DPS	1	N	0.88	n.a													/	/		/	/		✓	✓		✓	✓		✗	✗		✗	✗
199	150	General Electric	GE332MVPSN-V03	DPS	3	N	0.98	Parallel	/	/		/	/		✓	✓		✓	✓		✗	✗		✗	✗		/	/		/	/		✓	✓		✗	✗
200	151	OSRAM SYLVANIA	QTP2×32T8/UNV DIM-TC	DPS	2	N	0.88	Series	/	/		/	/		✗	✗		✗	✗		✗	✗		✗	✗		/	/		/	/		✓	✓		✗	✗
201	152	KEYSTONE	KTEB-132-1-TP-FC	RS	1	N		n.a													/			/			✓			✓			✗	✗		✗	✗
202	153	Universal Lighting Technologies	B332PUNVHEH-A	PS	3			Parallel	/	/		/	/		✓	✓		✓	✓		✗	✗		✗	✗		/	/		/	/		✓	✓		✗	✗
203	154	Universal Lighting Technologies	B232PU104S50A	PRS	2			Parallel	/	/		/	/		/	/		✓	✓		/	/		/	/		/	/		/	/		✓	✓		/	/
204	155	DAMAR	EL232DIM/120/277HF	DPS	2			Series	/	/		/	/		/	/		✗	✗		/	/		/	/		/	/		/	/		✓	✓		/	/
205	157	HOWARD INDUSTRIES	EP2/32PRS/MV/MC/HE	PRS	2	N	0.86	Parallel	/	/		/	/		/	/		✓	✓		/	/		/	/		/	/		/	/		✓	✓		/	/