

LED T8 U-Bend Direct Fit Lamp Ballast Compatibility

11.5W LED T8 U-Bend Direct Fit (LED11.5WT8F/U6/8xx-G8DR)

Manufacturer	Part Number	Start Method	# of Lamps	BF		Lamp Connect.	N-1 Lamp		N Lamp	
				Type	Value		120	277	120	277
ACT	ACT 2P32ISUNVE	IS	2	N	0.89	Parallel	✓	✓	✓	✓
ANTRON ELECTRONICS	A32T8MICLO	IS	2	L	0.78	Parallel	✓	✓	✓	✓
ARCATA	ACT 3P32ISUNVLE	IS	3	L	0.78	Parallel	✓	✓	✓	✓
DAMAR	EL232-120/277HF(1688B)	IS	2	N	?	Parallel	✓	✗	✓	✓
DAMAR	EL232HL-120/277HF(1688D)	IS	2	H	?	Parallel	✓	✓	✓	✓
DAMAR	EL332-120/277HF(3654C)	IS	3	N	?	Parallel	✓	✓	✓	✓
DAMAR	EL332HL-120/277HF(3654H)	IS	3	H	?	Parallel	✓	✓	✓	✓
DAMAR	EL432-120/277HF(3093B)	IS	4	N	?	Parallel	✓	✓	✓	✓
DAMAR	EL432HL-120/277HF(3093C)	IS	4	H	?	Parallel	✗	✗	✗	✗
EIKO	PM-2x32T8-UNV-IS-H	IS	2	H	1.18	Parallel	✓	✓	✓	✓
EIKO	PM-2X32T8-UNV-IS	IS	2	N	0.87	Parallel	✓	✓	✓	✓
EIKO	PM-2X32T8-UNV-IS-L	IS	2	L	0.77	Parallel	✓	✓	✓	✓
EIKO	PM-3X32T8-UNV-IS	IS	3	N	0.87	Parallel	✓	✓	✓	✓
EIKO	PM-3X32T8-UNV-IS-H	IS	3	H	1.18	Parallel	✗	✗	✗	✗
EIKO	PM-3X32T8-UNV-IS-L	IS	3	L	0.78	Parallel	✓	✓	✓	✓
EIKO	PM-4X32T8-UNV-IS	IS	4	N	0.88	Parallel	✓	✓	✓	✓
EIKO	PM-4X32T8-UNV-IS-L	IS	4	L	0.78	Parallel	✓	✓	✓	✓
ESPEN	VE232MVHIPE	IS	2	N	0.89	Parallel	✓	✓	✓	✓
ESPEN	VE232MVHIPHE	IS	2	H	1.19	Parallel	✗	✗	✗	✗
ESPEN	VE232MVHIPLE	IS	2	L	0.77	Parallel	✓	✓	✓	✓
General Electric	GE132MAX-G-N	IS	1	H	0.88	n.a	NA	NA	✗	✗
General Electric	GE132MAX-H/ULTRA	IS	1	H	1.18	n.a	NA	NA	✓	✓
General Electric	GE132MAX-L/ULTRA	IS	1	H	0.78	n.a	NA	NA	✗	✗
General Electric	GE132MAXP-N/ULTRA	IS	1	N	0.88	n.a	NA	NA	✓	✓
General Electric	GE232MAX347-N	IS	2	N	1.02	Parallel	NA	P,T(347V)	NA	✓,(347V)
General Electric	GE232MAX-G-L	IS	2			Parallel	✓	✓	✓	✓
General Electric	GE-232-MAX-H/Ultra	IS	2	H	1.15	Parallel	✗	✗	✗	✗
General Electric	GE232MAX-L/ULTRA	IS	2	L	0.78	Parallel	✗	✗	✗	✗
General Electric	GE232MAX-N/ULTRA	IS	2	N	0.88	Parallel	✓	✓	✓	✓
General Electric	GE232MAXP90-V60	IS	2	H	1.18	Parallel	✗	✗	✗	✗
General Electric	GE-232-MV-N	IS	2	N	0.88	Parallel	✓	✓	✓	✓
General Electric	GE232MV-N-DIY	IS	2	N	0.88	Parallel	✓	✓	✓	✓
General Electric	GE332MAX-G-N	IS	3	H	0.87	Parallel	✓	✓	✓	✓
General Electric	GE332MAX-L/ULTRA	IS	3	H	0.78	Parallel	✓	✓	✓	✓
General Electric	GE332MAX-N/ULTRA	IS	3	H	0.88	Parallel	✓	✓	✓	✓
General Electric	GE332MAXP90-V60	IS	3	H	1.18	Parallel	✗	✗	✗	✗
General Electric	GE332MAXP-H/ULTRA	IS	3	H	1.18	Parallel	✓	✓	✓	✓
General Electric	GE332MAXP-L/ULTRA	IS	3			Parallel	✓	✓	✓	✓
General Electric	GE332MV-N	IS	3	H	0.87	Parallel	✓	✓	✓	✓
General Electric	GE432-120-RES	IS	4	N	0.83	Parallel	✗	NA	✗	NA
General Electric	GE432MAX347-H	IS	2			Parallel	NA	✓,(347V)	NA	✓,(347V)
General Electric	GE432MAX347-N	IS	4	N	0.94	Parallel	NA	✓,(347V)	NA	✓,(347V)
General Electric	GE432MAX90-S60	IS	4	H	1.18	Parallel	✓	✓	✓	✓
General Electric	GE432MAX-G-N	IS	4	N	0.88	Parallel	✓	✓	✓	✓
General Electric	GE432MAX-H/ULTRA	IS	4	H	1.18	Parallel	✗	✗	✗	✗
General Electric	GE432MAX-L/ULTRA	IS	4	L	0.78	Parallel	✓	✓	✓	✓
General Electric	GE432MAX-N/ULTRA	IS	4	H	0.88	Parallel	✓	✓	✓	✓
General Electric	GE432MAXP90-S60	IS	4	H	1.18	Parallel	✗	✗	✗	✗
General Electric	GE432MV-N-42T	IS	4	H	0.93	Parallel	✓	✓	✓	✓
Halco	EP232IS/H/MV/HE	IS	2	H	1.18	Parallel	✗	✗	✗	✗
Halco	EP232IS/L/MV/HE	IS	2	L	0.78	Parallel	✓	✓	✓	✓

✓ = Compatible ✗ = Incompatible P = PF <0.85 T = THD >30% NA = Not applicable

LED T8 U-Bend Direct Fit Lamp Ballast Compatibility

11.5W LED T8 U-Bend Direct Fit (LED11.5WT8F/U6/8xx-G8DR)

Manufacturer	Part Number	Start Method	# of Lamps	BF		Lamp Connect.	N-1 Lamp		N Lamp	
				Type	Value		120	277	120	277
Halco	EP232IS/MV/HE	IS	2	N	0.88	Parallel	✓	✓	✓	✓
Halco	EP332IS/L/MV/HE	IS	3	L	0.78	Parallel	✓	✓	✓	✓
Halco	EP332IS/MV/HE	IS	3	H	0.87	Parallel	✓	✓	✓	✓
Halco	EP432IS/L/MV/HE	IS	4	H	0.78	Parallel	✓	✓	✓	✓
Halco	EP432IS/MV/HE	IS	4	H	0.88	Parallel	✓	✓	✓	✓
HATCH	HL232BIS/UV/HE/W	IS	2	N	0.9	Parallel	✓	✓	✓	✓
HATCH	HL432BIS/UV/HE/W	IS	4	N	0.9	Parallel	✓	✓	✓	✓
HOWARD INDUSTRIES	E2/32IS-120MC	IS	2	N	0.85	Parallel	P,T	NA	✓	NA
HOWARD INDUSTRIES	EP2/32IS/MV/MC/HE	IS	2	N	0.89	Parallel	✗	✗	✓	✓
HOWARD INDUSTRIES	EP3/32IS/MV/MC/HE	IS	3	N	0.88	Parallel	✓	✓	✓	✓
HOWARD INDUSTRIES	EP3/32IS/MV/SC/HE	IS	3	N	0.87	Parallel	✓	✓	✓	✓
HOWARD INDUSTRIES	EP4/32IS/MV/MC/HE	IS	4	N	0.88	Parallel	✓	✓	✓	✓
HOWARD INDUSTRIES	EPH2/32IS/MV/MC/HE	IS	2	H	1.18	Parallel	✓	✓	✓	✓
HOWARD INDUSTRIES	EPH3/32IS/MV/MC/HE	IS	3	N	0.91	Parallel	✗	✗	✗	✗
HOWARD INDUSTRIES	EPH4/32IS/MV/SC/HE	IS	4	H	1.16	Parallel	✗	✗	✗	✗
HOWARD INDUSTRIES	EPL2/32IS/MV/MC/HE	IS	2	L	0.78	Parallel	✓	P,T	✓	✓
HOWARD INDUSTRIES	EPL3/32IS/MV/SC/HE	IS	3	L	0.78	Parallel	✓	✓	✓	✓
HOWARD INDUSTRIES	EPL4/32IS/MV/MC/HE	IS	4	L	0.77	Parallel	✓	✓	✓	✓
KEYSTONE	KTEB-232LBF-1-TP-PIC-EV	IS	2	N	0.88	Parallel	✓	NA	✓	NA
KEYSTONE	KTEB-232-UV-IS-H-P	IS	2	H	1.18	Parallel	✗	✗	✗	✗
KEYSTONE	KTEB-232-UV-IS-N-P	IS	2	H	0.87	Parallel	✓	✓	✓	✓
KEYSTONE	KTEB-332-UV-IS-H-P	IS	3	H	1.18	Parallel	✓	✓	✓	✓
KEYSTONE	KTEB-332-UV-IS-N-P	IS	3	N	0.87	Parallel	✓	✓	✓	✓
KEYSTONE	KTEB-432RIS-1-TP-SL	IS	4	N	0.80	Parallel	✓	NA	✓	NA
KEYSTONE	KTEB-432-UV-IS-H-P	IS	4	H	1.18	Parallel	✗	✗	✗	✗
KEYSTONE	KTEB-432-UV-IS-N-P	IS	4	N	0.87	Parallel	✓	✓	✓	✓
LIGHTING PRODUCTS LIMITED	EB-332EBF-UV-TP-HE	IS	3	L	0.78	Parallel	✓	✓	✓	✓
MAXLITE	MLEU322HEL/SC	IS	2	L	0.83	Parallel	✓	✓	✓	✓
MAXLITE	MLEU323H/SC	IS	3	H	1.18	Parallel	✓	✓	✓	✓
MAXLITE	MLEU324HE/SC	IS	4	N	0.88	Parallel	✓	✓	✓	✓
MAXLITE	SKEU322HEL/SC	IS	2	H	0.77	Parallel	✓	✓	✓	✓
MAXLITE	SKEU323L/SC	IS	3	H	0.78	Parallel	✓	✓	✓	✓
MAXLITE	SKEU324HE/SC	IS	4	H	0.88	Parallel	✓	✓	✓	✓
OSRAM SYLVANIA	QHE 1X32T8/UNV ISH-SC	IS	1			NA	NA	NA	✓	P,T
OSRAM SYLVANIA	QHE 1X32T8/UNV ISL-SC	IS	1	L	0.78	n.a	NA	NA	✓	✓
OSRAM SYLVANIA	QHE 1X32T8/UNV ISN-SC	IS	1	N	0.88	n.a	NA	NA	✓	✓
OSRAM SYLVANIA	QHE 2X32T8/UNV ISH HT-SC	IS	2	H		Parallel	✓	✓	✓	✓
OSRAM SYLVANIA	QHE 2X32T8/UNV ISH-SC	IS	2	H	1.20	Parallel	✗	✗	✗	✗
OSRAM SYLVANIA	QHE 2X32T8/UNV ISL-SC	IS	2	L	0.78	Parallel	✓	✓	✓	✓
OSRAM SYLVANIA	QHE 2X32T8/UNV ISN-SC	IS	2	N	0.88	Parallel	✓	✓	✓	✓
OSRAM SYLVANIA	QHE 3x32T8/UNV ISH HT-SC	IS	3	H	1.18	Parallel	✓	✓	✓	✓
OSRAM SYLVANIA	QHE 3X32T8/UNV ISH-SC	IS	3	H	1.18	Parallel	✗	P	✗	P
OSRAM SYLVANIA	QHE 3X32T8/UNV ISL-SC	IS	3	L	0.78	Parallel	✓	✓	✓	✓
OSRAM SYLVANIA	QHE 3X32T8/UNV ISN-SC	IS	4	N	0.88	Parallel	✓	✓	✓	✓
OSRAM SYLVANIA	QHE 4x32T8/UNV ISH HT-1	IS	4	H	1.18	Parallel	✓	✓	✓	✓
OSRAM SYLVANIA	QHE 4x32T8/UNV ISH-SC	IS	4	H		Parallel	✗	✗	✗	✗
OSRAM SYLVANIA	QHE 4X32T8/UNV ISL-SC	IS	4	L	0.78	Parallel	✓	✓	✓	✓
OSRAM SYLVANIA	QHE 4X32T8/UNV ISN-SC	IS	4	N	0.88	Parallel	✓	✓	✓	✓
OSRAM SYLVANIA	QT 2x32/347 ISH-SC	IS	2	H	1.2	Parallel	✗	NA	✓,(347V)	NA
OSRAM SYLVANIA	QT2X32/120 IS-SC	IS	2	/	/	Parallel	P,T	NA	✓	NA
OSRAM SYLVANIA	QTP 2X32T8/UNV ISL-SC	IS	2	L	0.78	Parallel	✓	✓	✓	✓

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Manufacturer	Part Number	Start Method	# of Lamps	BF		Lamp Connect.	N-1 Lamp		N Lamp	
				Type	Value		120	277	120	277
OSRAM SYLVANIA	QTP 2X32T8/UNV ISN-SC	IS	2	N	0.88	Parallel	✓	✓	✓	✓
OSRAM SYLVANIA	QTP 3X32T8/UNV ISN-SC	IS	3	H	0.88	Parallel	✓	✓	✓	✓
OSRAM SYLVANIA	QTP 4x32T8/UNV ISN-SC	IS	4	N	0.88	Parallel	✓	T	✓	✓
OSRAM SYLVANIA	QTP2x32T8/277 ISN-D	IS	2	N	0.78	Parallel	NA	✗	NA	✗
Pacific Fluorescent	EB-232IS-120-RES	IS	2			Parallel	✓	NA	✓	NA
Philips-Advance	ICN-132-MC	IS	1			NA	NA	NA	✓	✓
Philips-Advance	ICN-1P32-N	IS	1	H	0.91	n.a	NA	NA	✗	✗
Philips-Advance	ICN-2P16-TLED-N	IS	2			Parallel	✓	✓	✓	✓
Philips-Advance	ICN-2P32-N	IS	2	N	0.89	Parallel	✓	✓	✓	✓
Philips-Advance	ICN-3P32-N	IS	3	N	0.88	Parallel	✗	✗	✗	✗
Philips-Advance	ICN-4P32-N	IS	4	N	0.90	Parallel	✓	✓	✓	✓
Philips-Advance	IOP-1P32-N	IS	1	N	0.89	n.a	NA	NA	✗	✗
Philips-Advance	IOP-2P32HL-SC	IS	2	H	1.18	Parallel	✗	✗	✗	✗
Philips-Advance	IOP-2P32-LW-N	IS	2	L	0.77	Parallel	✓	✓	✓	✓
Philips-Advance	IOP-2P32-N	IS	2	N	0.89	Parallel	✓	✓	✓	✓
Philips-Advance	IOP-3P32HL-90C-SC	IS	3			Parallel	✗	✗	✗	✗
Philips-Advance	IOP-3P32-N	IS	3	H	0.87	Parallel	✗	✗	✗	✗
Philips-Advance	IOP-4P32-HL-SC	IS	4	H	1.18	Parallel	✗	✗	✗	✗
Philips-Advance	IOP-4P32-LW-N	IS	4	L	0.77	Parallel	✓	✓	✓	✓
Philips-Advance	IOP-4P32-N	IS	4	N	0.87	Parallel	✓	✓	✓	✓
Philips-Advance	IOP-4P32-SC	IS	4			Parallel	✓	✓	✗	✗
Philips-Advance	IOPA-1P32-N	IS	1	H	0.88	n.a	NA	NA	✗	✗
Philips-Advance	IOPA-2P32-HL-N	IS	2	H	1.18	Parallel	✓	✓	✓	✓
Philips-Advance	IOPA-3P32-LW-N	IS	3	L	0.76	Parallel	✗	✗	✗	✗
Philips-Advance	IOPA-3P32-N	IS	3	H	0.86	Parallel	✓	✓	✓	✓
Philips-Advance	IOPA-4P32-HL-SC	IS	4	H	1.18	Parallel	✓	✓	✓	✓
Philips-Advance	IOPA-4P32-N	IS	4	N	0.87	Parallel	✓	✓	✓	✓
Philips-Advance	IOPA-4P32-SC	IS	4			Parallel	✓	✓	✓	✓
Philips-Advance	REB-2P32-SC	IS	2	N	0.88	Parallel	✗	NA	✓	NA
Philips-Advance	REB-4P32-SC	IS	4	N	0.81	Parallel	✗	NA	✗	NA
Philips-Advance	VEL-2P32-RH-TP	IS	2			Parallel	NA	P,T	NA	✓
Philips-Advance	VEL-2P32-SC	IS	2	N	0.88	Parallel	NA	✗	NA	✗
PLUSRITE	BAF232IS/MV	IS	2	N	0.89	Parallel	✓	✓	✓	✓
Plusrite	BAF232IS/MV/L	IS	2	L	0.78	Parallel	✓	✓	✓	✓
PLUSRITE	BAF332IS/MV	IS	3	N	0.88	Parallel	✓	✓	✓	✓
Plusrite	BAF332IS/MV/L	IS	3	L	0.78	Parallel	✓	✓	✓	✓
Plusrite	BAF432IS/MV	IS	4	N	0.88	Parallel	✓	✓	✓	✓
Plusrite	BAF432IS/MV/L	IS	4	L	0.78	Parallel	✓	✓	✓	✓
ProLume	E432IS/120/R/SL	IS	4	N	0.87	Parallel	✗	NA	✗	NA
ProLume	EP232IS/L/MV/SL	IS	2	L	0.78	Parallel	✓	✓	✓	✓
SOLA	E-758-U-232-MC	IS	2	N	0.88	Parallel	✓	✓	✓	✓
SUNPARK	120-1/32IS HPF	IS	1	N	0.88	NA	NA	NA	✓	NA
SUNPARK	120-3/32IS MPF	IS	3	H	0.88	Parallel	P,T	NA	P,T	NA
SUNPARK	U-2/32IS HBF	IS	2	H	1.18	Parallel	✓	✓	✓	✓
SUNPARK	U-2/32ISE-LBF	IS	2	L	0.78	Parallel	✓	✓	✓	✓
SUNPARK	U-3/32ISE	IS	3	N	0.88	Parallel	✓	✓	✓	✓
SUNPARK	U-3/32ISE-HBF	IS	3	H	1.18	Parallel	✓	✓	✓	✓
SUNPARK	U-4/32IS HBF	IS	4	H	1.18	Parallel	✓	✓	✓	✓
SUNPARK	U-4/32IS HP,F	IS	4	N	0.88	Parallel	✓	✓	✓	✓
SUNPARK	U-4/32ISE-LBF	IS	4	L	0.88	Parallel	✓	✓	✓	✓
Superior Life	70201	IS	2	N	0.88	Parallel	✓	✗	✓	✓

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11.5W LED T8 U-Bend Direct Fit (LED11.5WT8F/U6/8xx-G8DR)

Manufacturer	Part Number	Start Method	# of Lamps	BF		Lamp Connect.	N-1 Lamp		N Lamp	
				Type	Value		120	277	120	277
TCP	E2P32ISUNVHE	IS	2	H	1.18	Parallel	✓	✗	✓	✓
TCP	E3P32ISUNVE	IS	3	N	0.88	Parallel	✓	✓	✓	✓
TCP	E3P32ISUNVLE	IS	3	L	0.78	Parallel	✓	✓	✓	✓
TCP	E4P32ISUNVE	IS	4	N	0.88	Parallel	✓	✓	✓	✓
TCP	E4P32ISUNVLE	IS	4	L	0.78	Parallel	✓	✗	✗	✓
TCP	TCP3P32ISUNVH	IS	3			Parallel	✓	✓	✓	✓
TOPAZ	B232IUNVHEH/A-TPZ	IS	2	H	1.18	Parallel	✗	✗	✗	✗
TOPAZ	B432IUNVHEH/A-TPZ	IS	4	H	1.18	Parallel	✓	✓	✓	✓
Universal Lighting Technologies	B132IUNVHP-N	IS	1	N	0.88	n.a	NA	NA	✓	✓
Universal Lighting Technologies	B232I120RES-A	IS	2	N	0.88	Parallel	✗	NA	✗	NA
Universal Lighting Technologies	B232I277RH-A	IS	4			Parallel	NA	T	NA	✓
Universal Lighting Technologies	B232IUNV-C	IS	2	N	0.88	Parallel	✓	✓	✓	✓
Universal Lighting Technologies	B232IUNVEL-A	IS	2	L	0.77	Parallel	✓	✓	✓	✓
Universal Lighting Technologies	B232IUNVHP-B	IS	2	N	0.88	Parallel	✓	✓	✓	✓
Universal Lighting Technologies	B232IUNVHP-N	IS	2	N	0.88	Parallel	✗	✗	✗	✗
Universal Lighting Technologies	B233IUNVHE-A	IS	2	N	0.87	Parallel	✓	✓	✓	✓
Universal Lighting Technologies	B332IUNVHP-A	IS	3	H	0.88	Parallel	✓	✓	✓	✓
Universal Lighting Technologies	B432IUNVHE L-A	IS	4	L	0.77	Parallel	✓	✓	✓	✓
Universal Lighting Technologies	B432IUNVHE-A	IS	4			Parallel	✓	✓	✓	✓
Universal Lighting Technologies	B432IUNVHEH-E	IS	4			Parallel	✓	✓	✓	✓
Universal Lighting Technologies	B432IUNVHP-A	IS	4	H	0.88	Parallel	✓	✓	✓	✓
Watran	DB-232N-MV-TP-HE	IS	2	N	0.87	Parallel	✓	✓	✓	✓
Watran	DB-232N-MV-TP-HE (SC)	IS	2	N	0.87	Parallel	✓	✗	✓	✓
Watran	DB-332N-MV-TP-HE	IS	3	N	0.87	Parallel	✓	✓	✓	✓
Watran	DB-432L-MV-TP-HE	IS	4	L	0.77	Parallel	✓	✓	✓	✓
Watran	DB-432N-MV-TP-HE	IS	4	N	0.87	Parallel	✓	✓	✓	✓
WORK HORSE	WHSG3-UNV-T8-IS	IS	3	N	0.99	Parallel	✓	✓	✓	✓
WORK HORSE	WHSG4-UNV-T8-IS	IS	4	N	0.96	Parallel	✓	✓	✓	✓