

# LED

## Plug-and-Play U-Bend T8 LED Tube



### BALLAST COMPATIBILITY

PLT-90022 PLT LED 2FT U-bend, 15-Watt, 2100 Lumens				NC	Incompatible	P	PF <0.85			
				N	Acoustic noise >20dB	T	THD >30%			
				S	Can't start-up	C	Compatible			
				F	Flicker after >2s start	/	Not tested			
				HT	High temperature	NA	Not applicable			
				Ballast Brand	Part Number	Start Method	# of Lamps	BF		N-1 Lamp
Type	Value	Lamp Connection						T8U-15W		T8U-15W
						120Vac	277Vac	120Vac	277Vac	
Philips-Advance	ICN-2P32-N	IS	2	N	0.89	Parallel	C	C	C	C
Philips-Advance	IOP-2P32-N	IS	2	N	0.89	Parallel	C	C	C	C
Philips-Advance	IOP-2P32-LW-N	IS	2	L	0.77	Parallel	C	C	C	C
OSRAM SYLVANIA	QTP 2X32T8/UNV ISN-SC	IS	2	N	0.88	Parallel	C	C	C	C
OSRAM SYLVANIA	QHE 2X32T8/UNV ISN-SC	IS	2	N	0.88	Parallel	C	C	C	C
OSRAM SYLVANIA	QHE 2X32T8/UNV ISL-SC	IS	2	L	0.78	Parallel	C	C	C	C
General Electric	GE-232-MV-N	IS	2	N	0.88	Parallel	C	C	C	C
General Electric	GE232MAX-N/ULTRA	IS	2	N	0.88	Parallel	C	C	C	C
Universal Lighting Technologies	B2321UNVEL-A	IS	2	L	0.77	Parallel	C	C	C	C
Universal Lighting Technologies	B2331UNVHE-A	IS	2	N	0.87	Parallel	C	C	C	C
ESPEN	VE232MVHPE	IS	2	N	0.89	Parallel	C	C	C	C
Philips-Advance	IOPA-4P32-N	IS	4	N	0.87	Parallel	C	C	C	C
Philips-Advance	IOPA-4P32-HL-SC	IS	4	H	1.18	Parallel	C	C	C	C
Philips-Advance	IOP-4P32-N	IS	4	N	0.87	Parallel	C	C	C	C
Philips-Advance	IOP-4P32-LW-N	IS	4	L	0.77	Parallel	C	C	C	C
Philips-Advance	ICN-4P32-N	IS	4	N	0.90	Parallel	C	C	C	C
General Electric	GE432MAX-L/ULTRA	IS	4	L	0.78	Parallel	C	C	C	C
OSRAM SYLVANIA	QHE 4X32T8/UNV ISN-SC	IS	4	N	0.88	Parallel	C	C	C	C
OSRAM SYLVANIA	QHE 4X32T8/UNV ISL-SC	IS	4	L	0.78	Parallel	C	C	C	C
HOWARD INDUSTRIES	EP3/32IS/MV/SC/HE	IS	3	N	0.87	Parallel	C	C	C	C
HOWARD INDUSTRIES	EPL4/32IS/MV/MC/HE	IS	4	L	0.77	Parallel	C	C	C	C
ProLume	EP2321S/L/MV/SL	IS	2	L	0.78	Parallel	C	C	C	C
General Electric	GE432MAX-G-N	IS	4	N	0.88	Parallel	C	C	C	C
Universal Lighting Technologies	B4321UNVHE L-A	IS	4	L	0.77	Parallel	C	C	C	C
ESPEN	VE232MVHPE	IS	2	L	0.77	Parallel	C	C	C	C
General Electric	GE232MV-N-DIY	IS	2	N	0.88	Parallel	C	C	C	C
Halco	EP2321S/MV/HE	IS	2	N	0.88	Parallel	C	C	C	C
HOWARD INDUSTRIES	EPH2/32IS/MV/MC/HE	IS	2	H	1.18	Parallel	C	C	C	C
MAXLITE	SKEU322HEL/SC	IS	2	H	0.77	Parallel	C	C	C	C
KEystone	KTEB-232-UV-IS-N-P	IS	2	H	0.87	Parallel	C	C	C	C
Philips-Advance	IOPA-3P32-N	IS	3	H	0.86	Parallel	C	C	C	C
General Electric	GE332MV-N	IS	3	H	0.87	Parallel	C	C	C	C
General Electric	GE332MAX-N/ULTRA	IS	3	H	0.88	Parallel	C	C	C	C
General Electric	GE332MAX-L/ULTRA	IS	3	H	0.78	Parallel	C	C	C	C
General Electric	GE332MAX-G-N	IS	3	H	0.87	Parallel	C	C	C	C
General Electric	GE332MAXP-H/ULTRA	IS	3	H	1.18	Parallel	C	C	C	C
OSRAM SYLVANIA	QTP 3X32T8/UNV ISN-SC	IS	3	H	0.88	Parallel	C	C	C	C
OSRAM SYLVANIA	QHE 3X32T8/UNV ISN-SC	IS	4	N	0.88	Parallel	C	C	C	C
OSRAM SYLVANIA	QHE 3X32T8/UNV ISL-SC	IS	3	L	0.78	Parallel	C	C	C	C
Universal Lighting Technologies	B3321UNVHP-A	IS	3	H	0.88	Parallel	C	C	C	C
MAXLITE	SKEU324HE/SC	IS	4	H	0.88	Parallel	C	C	C	C
MAXLITE	SKEU323L/SC	IS	3	H	0.78	Parallel	C	C	C	C
Halco	EP3321S/MV/HE	IS	3	H	0.87	Parallel	C	C	C	C
Universal Lighting Technologies	B4321UNVHP-A	IS	4	H	0.88	Parallel	C	C	C	C
Halco	EP4321S/MV/HE	IS	4	H	0.88	Parallel	C	C	C	C
Halco	EP4321S/L/MV/HE	IS	4	H	0.78	Parallel	C	C	C	C
General Electric	GE432MV-N-42T	IS	4	H	0.93	Parallel	C	C	C	C
General Electric	GE432MAX-N/ULTRA	IS	4	H	0.88	Parallel	C	C	C	C
MAXLITE	MLEU322HEL/SC	IS	2	L	0.83	Parallel	C	C	C	C
MAXLITE	MLEU323H/SC	IS	3	H	1.18	Parallel	C	C	C	C
PLUSRITE	BAF2321S/MV	IS	2	N	0.89	Parallel	C	C	C	C
EIKO	PM-2X32T8-UNV-IS-L	IS	2	L	0.77	Parallel	C	C	C	C
EIKO	PM-3X32T8-UNV-IS	IS	3	N	0.87	Parallel	C	C	C	C
EIKO	PM-3X32T8-UNV-IS-L	IS	3	L	0.78	Parallel	C	C	C	C
HOWARD INDUSTRIES	EPL3/32IS/MV/SC/HE	IS	3	L	0.78	Parallel	C	C	C	C
PLUSRITE	BAF3321S/MV	IS	3	N	0.88	Parallel	C	C	C	C
TCP	E3P321SUNVE	IS	3	N	0.88	Parallel	C	C	C	C
TCP	E3P321SUNVLE	IS	3	L	0.78	Parallel	C	C	C	C
TCP	E4P321SUNVE	IS	4	N	0.88	Parallel	C	C	C	C
HOWARD INDUSTRIES	EP4/32IS/MV/MC/HE	IS	4	N	0.88	Parallel	C	C	C	C
EIKO	PM-4X32T8-UNV-IS	IS	4	N	0.88	Parallel	C	C	C	C
EIKO	PM-4X32T8-UNV-IS-L	IS	4	L	0.78	Parallel	C	C	C	C
SOLA	E-758-U-232-MC	IS	2	N	0.88	Parallel	C	C	C	C
HOWARD INDUSTRIES	EP3 / 32IS / MV / MC / HE	IS	3	N	0.88	Parallel	C	C	C	C

# LED

## 4 ft. Plug-and-Play T8 Tube



### BALLAST COMPATIBILITY

Ballast Brand	Part Number	Start Method	# of Lamps	BF		Lamp Connection	N=1 Lamp		N Lamp	
				Type	Value		T8U-15W		T8U-15W	
							120Vac	277Vac	120Vac	277Vac
WORK HORSE	WHSG3-UNV-T8-IS	IS	3	N	0.99	Parallel	C	C	C	C
WORK HORSE	WHSG4-UNV-T8-IS	IS	4	N	0.96	Parallel	C	C	C	C
MAXLITE	MLEU324HE/SC	IS	4	N	0.88	Parallel	C	C	C	C
SUNPARK	U-2/32IS HBF	IS	2	H	1.18	Parallel	C	C	C	C
SUNPARK	U-2/32ISE-LBF	IS	2	L	0.78	Parallel	C	C	C	C
SUNPARK	U-3/32ISE	IS	3	N	0.88	Parallel	C	C	C	C
SUNPARK	U-3/32ISE-HBF	IS	3	H	1.18	Parallel	C	C	C	C
SUNPARK	U-4/32IS HP, F	IS	4	N	0.88	Parallel	C	C	C	C
SUNPARK	U-4/32IS HBF	IS	4	H	1.18	Parallel	C	C	C	C
SUNPARK	U-4/32ISE-LBF	IS	4	L	0.88	Parallel	C	C	C	C
EIKO	PM-2X32T8-UNV-IS	IS	2	N	0.87	Parallel	C	C	C	C
KEYSTONE	KTEB-332-UV-IS-N-P	IS	3	N	0.87	Parallel	C	C	C	C
KEYSTONE	KTEB-432-UV-IS-N-P	IS	4	N	0.87	Parallel	C	C	C	C
Halco	EP232IS/L/MV/HE	IS	2	L	0.78	Parallel	C	C	C	C
Halco	EP332IS/L/MV/HE	IS	3	L	0.78	Parallel	C	C	C	C
Universal Lighting Technologies	B232IUNVHP-B	IS	2	N	0.88	Parallel	C	C	C	C
HATCH	HL232BIS/UV/HE/W	IS	2	N	0.9	Parallel	C	C	C	C
HATCH	HL432BIS/UV/HE/W	IS	4	N	0.9	Parallel	C	C	C	C
ARCATA	ACT 3P32ISUNVLE	IS	3	L	0.78	Parallel	C	C	C	C
LIGHTING PRODUCTS LIMITED	EB-332EBF-UV-TP-HE	IS	3	L	0.78	Parallel	C	C	C	C
General Electric	GE432MAX90-S60	IS	4	H	1.18	Parallel	C	C	C	C
KEYSTONE	KTEB-332-UV-IS-H-P	IS	3	H	1.18	Parallel	C	C	C	C
TOPAZ	B432IUNVHEH/A-TPZ	IS	4	H	1.18	Parallel	C	C	C	C
Universal Lighting Technologies	B232IUNV-C	IS	2	N	0.88	Parallel	C	C	C	C
DAMAR	EL232HL-120/277HF (1688D)	IS	2	H	?	Parallel	C	C	C	C
DAMAR	EL332-120/277HF (3654C)	IS	3	N	?	Parallel	C	C	C	C
DAMAR	EL332HL-120/277HF (3654H)	IS	3	H	?	Parallel	C	C	C	C
DAMAR	EL432-120/277HF (3093B)	IS	4	N	?	Parallel	C	C	C	C
Philips-Advance	IOPA-2P32-HL-N	IS	2	H	1.18	Parallel	C	C	C	C
Plusrite	BAF232IS/MV/L	IS	2	L	0.78	Parallel	C	C	C	C
Plusrite	BAF332IS/MV/L	IS	3	L	0.78	Parallel	C	C	C	C
Plusrite	BAF432IS/MV	IS	4	N	0.88	Parallel	C	C	C	C
Plusrite	BAF432IS/MV/L	IS	4	L	0.78	Parallel	C	C	C	C
Watran	DB-232N-MV-TP-HE	IS	2	N	0.87	Parallel	C	C	C	C
Watran	DB-332N-MV-TP-HE	IS	3	N	0.87	Parallel	C	C	C	C
Watran	DB-432N-MV-TP-HE	IS	4	N	0.87	Parallel	C	C	C	C
Watran	DB-432L-MV-TP-HE	IS	4	L	0.77	Parallel	C	C	C	C
ACT	ACT 2P32ISUNVE	IS	2	N	0.89	Parallel	C	C	C	C
ANTRON ELECTRONICS	A32T8MICLO	IS	2	L	0.78	Parallel	C	C	C	C
EIKO	PM-2x32T8-UNV-IS-H	IS	2	H	1.18	Parallel	C	C	C	C
OSRAM SYLVANIA	QHE 4x32T8/UNV ISH HT-1	IS	4	H	1.18	Parallel	C	C	C	C
OSRAM SYLVANIA	QTP 2X32T8/UNV ISL-SC	IS	2	L	0.78	Parallel	C	C	C	C
Philips-Advance	IOPA-4P32-SC	IS	4			Parallel	C	C	C	C
Universal Lighting Technologies	B432IUNVHE-A	IS	4			Parallel	C	C	C	C
Universal Lighting Technologies	B432IUNVHEH-E	IS	4			Parallel	C	C	C	C
General Electric	GE232MAX-G-L	IS	2			Parallel	C	C	C	C
OSRAM SYLVANIA	QHE 2X32T8/UNV ISH HT-SC	IS	2	H		Parallel	C	C	C	C
General Electric	GE332MAXP-L/ULTRA	IS	3			Parallel	C	C	C	C
Philips-Advance	IOP-3PSP32-SC	PS	3	N	0.88	Parallel	C	C	C	C
Philips-Advance	IOP-3PSP32-LW-SC	PS	3	L	0.69	Parallel	C	C	C	C
Philips-Advance	IOP-4PSP32-LW-SC	PS	4	L	0.69	Parallel	C	C	C	C
OSRAM SYLVANIA	QHE 2X32T8/UNV PSH-HT	PRS	2	H	1.18	Parallel	C	C	C	C
General Electric	GE232-MVPS-N	PS	2	N	0.88	Parallel	C	C	C	C
OSRAM SYLVANIA	QHE 2X32T8/UNV PSN-MC	PRS	2	N	0.88	Parallel	C	C	C	C
General Electric	GE-332-MVPS-N	PS	3	N	0.88	Parallel	C	C	C	C
OSRAM SYLVANIA	QHE 3X32T8/UNV PSN-SC	PRS	3	N	0.88	Parallel	C	C	C	C
General Electric	GE432-MVPS-N	PS	4	N	0.88	Parallel	C	C	C	C
OSRAM SYLVANIA	QHE 4X32T8/UNV PSN-SC	PRS	4	N	0.88	Parallel	C	C	C	C
Superior Life	70210	PS	2	N	0.88	Parallel	C	C	C	C
Superior Life	70211	PS	4	N	0.87	Parallel	C	C	C	C
HOWARD INDUSTRIES	EP4/32PPRS/MV/SC/HE	PRS	4	N	?	Parallel	C	C	C	C