



## T8 T8 Dual Mode

### FEATURES

- Hybrid dual mode for use with electronic ballasts or direct line voltage
- Direct replacement for conventional linear fluorescent tubes
- Single- or Double-End powered when operated on line voltage
- Up to 80% energy savings
- Ultra-high performance LED delivers >150 lpw
- Compatible with select emergency battery backup
- Does not operate on magnetic ballasts
- Does not operate on T12 ballasts
- UL Listed
- Compatible with select electronic ballasts or direct line voltage 120-277V
- Not for use in airtight fixtures

### WARRANTY

- 5 year limited warranty. Additional warranty options available. Contact EiKO for details

### APPLICATIONS

- Highbay
- Troffers
- Industrial Strips
- Cove Lighting
- Warehouses
- Stairwells
- Cold Storage

project name	type
catalog number	voltage
approved by	date



<b>PERFORMANCE</b>	Bare Lamp Wattage	12W
	Lumens	1,800
	Efficacy (LPW)	150
	CRI	80+
	CCT	3500K, 4000K, 5000K
	Life (L70)	50,000 hours
<b>ELECTRICAL</b>	Power Factor	≥0.9
	THD	<20%
	Input Voltage	120-277V
<b>CONSTRUCTION</b>	Operating Temperature	-4°F to 113°F (-20°C to 45°C)
	Finish	Frosted Glass
	Base	G13
<b>LISTINGS</b>	Certification(s)	DesignLights Consortium® Qualified; cULus Listed
	Material Usage	RoHS Compliant; no mercury or lead
	Environment	Suitable for Dry locations



## PERFORMANCE SUMMARY

ORDER CODE	ITEM #	LENGTH	WATTS	LUMENS	LPW	CRI	CCT	MATERIAL	VOLTS	LIFE HOURS
12500	LED12WT8/48/835-DM-A	4'	12W	1,800	150	>80	3500K	Frosted Glass	120-277V	50,000
12501	LED12WT8/48/840-DM-A	4'	12W	1,800	150	>80	4000K	Frosted Glass	120-277V	50,000
12502	LED12WT8/48/850-DM-A	4'	12W	1,800	150	>80	5000K	Frosted Glass	120-277V	50,000

## INSTRUCTIONS



**OPTION 1:** Connecting AC line voltage to a non-shunted socket on only one end (single-ended mode). Bring line and neutral to pins "N1" and "L." Do not connect "N2" and "N3" - damage may result.



**OPTION 2:** Connecting AC line voltage to non-shunted sockets on both ends (double-ended mode). Bring line to both "N1" and "L." Bring neutral to both "N2" and "N3."



**OPTION 3:** Connecting AC line voltage to shunted sockets on both ends (double-ended mode). Bring line to N1/L side and neutral to N2/N3 side.

# INSTRUCTIONS

120-277V Ballasts										
Manufacturer	Part Number	Start Method	# of Lamps	Ballast Factor	Value	Lamp Connection	N-1 Lamp		N Lamp	
							120V	277V	120V	277V
ESPEN	VE232MVHIPHE	IS	2	H	1.19	Parallel	C	P	C	C
Philips-Advance	ICN-2P32-SC	IS	2	N	0.89	Parallel	C	C	C	C
ESPEN	VE2P32MVHIPE	IS	2	N	0.89	Parallel	C	P	C	C
General Electric	GE232MAX-G-N	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 1X32T8/UNV ISN-SC	IS	2	N	0.88	NA	C	C	C	C
OSRAM SYLVANIA	QTP 2X32T8/UNV ISN-SC	IS	2	N	0.88	Parallel	C	C	C	C
Philips-Advance	VEL-2P32-SC	IS	2	N	0.88	Parallel	NA	P	NA	C
Philips-Advance	ICN-3P32-SC	IS	3	N	0.89	Parallel	C	C	C	C
OSRAM SYLVANIA	QT 2x32277 IS-SC	IS	2	N	0.88	Parallel	NA	P,T	NA	C
EIKO	PM-2x32T8-UNV-IS	IS	2	N	0.87	Parallel	C	C	C	C
OSRAM SYLVANIA	QHE 2X32T8/UNV ISH HT-SC	IS	2	H	1.2	Parallel	C	C	C	C
Universal Lighting Technologies	B332IUNVHP-A	IS	3	N	0.88	Parallel	C	P	C	C
Universal Lighting Technologies	B232I277RH-A	IS	2	N	0.88	Parallel	NA	P,T	NA	C
OSRAM SYLVANIA	QTP 3X32T8/UNV ISN-SC	IS	3	N	0.88	Parallel	C	C	C	C
Watran	DB-232N-MV-TP-HE	IS	2	N	0.87	Parallel	C	C	C	C
General Electric	GE232MAX347-N	IS	2	H	1.02	Parallel	NA	NA	NA	NA
KEYSTONE	KTEB-232-UV-IS-N-P	IS	2	N	0.87	Parallel	NA	NA	NA	NA
MAXLITE	SKEU323L/SC	IS	3	L	0.78	Parallel	NA	NA	NC	NA
OSRAM SYLVANIA	QHE 3x32T8/UNV ISH HT-SC	IS	3	H	1.18	Parallel	HT	HT	HT	HT
OSRAM SYLVANIA	QTP 2X32T8/UNV ISL-SC	IS	2	L	0.78	Parallel	NA	NA	NA	NA
General Electric	GE232MAX-G-L	IS	2	L	0.77	Parallel	NA	NA	NA	NA
Philips-Advance	ICN-132-MC	IS	1	N	0.88	NA	NA	NA	NA	NA
Philips-Advance	IOP-3P32HL-90C-SC	IS	3	H	1.22	Parallel	C	F	C	F
MAXLITE	MLEU323H/SC	IS	3	H	1.18	Parallel	C	C	NA	NA
KEYSTONE	KTEB-332-UV-IS-N-P	IS	3	N	0.87	Parallel	C	C	NA	NA
EIKO	PM-3X32T8-UNV-IS-H	IS	3	H	1.18	Parallel	NA	NA	NA	NA
KEYSTONE	KTEB-232-UV-IS-L-P	IS	2	L	0.78	Parallel	NA	NA	NA	NA
Philips-Advance	IOPA-2P32-LW-N	IS	2	L	0.76	Parallel	NA	NA	NA	NA
General Electric	GE232MAXP-N/ULTRA	IS	2	N	0.87	Parallel	NA	NA	NA	NA
Philips-Advance	IOP-1P32-LW-N	IS	1	L	0.77	NA	NA	NA	NA	NA
Philips-Advance	IOP-2P32-LW-N	IS	2	L	0.77	Parallel	NA	NA	NA	NA
OSRAM SYLVANIA	QHE 1X32T8/UNV ISL-SC	IS	1	L	0.78	NA	NA	NA	NA	NA
TCP	TCP3P32ISUNVH	IS	3	H	1.18	Parallel	NA	NA	NA	NA
Universal Lighting Technologies	B232IUNVHEH-A	IS	2	H	1.18	Parallel	NA	NA	NA	NA
OSRAM SYLVANIA	QHE 3x32T8/UNV ISH HT-SC	IS	3	H	1.18	Parallel	NA	NA	NA	NA