

# LED T8 Tube (4-FT)

LED T8 Tube, 150 lm/W, IP44 Wet Location, Hybrid Type A+B, Single and Double Ended Power, Premium Replacement Lamp.

4-FT Models



## Premium Features

Lumen Output	1800 to 2700 lumens
Efficacy	150 lm/W
Input Voltage	120-277V
Driver	Dual Mode Internal Driver (Type A+B)
Installation	Single or Double Ended
Dimmable	No
CCT	4000K or 5000K
IP Rating	IP44 Wet Location
Size	4-FT
Warranty	5 Years

## Applications

Premium indoor replacement lamp intended to replace 4 foot T8 or T12 fluorescent lamps with a G13 base for linear lighting fixtures. Suitable for use in linear troffers, wraparounds, and shop lights.

## Construction

Manufactured for durability and heat dissipation using aluminum sheet backing. IP44 Wet Location rated for protection against solid objects 1.0mm diameter and greater, splashing water: IEC 60529.

## Electrical

Input voltages 120-277V. Type A+B, Hybrid plug and play to operate with or without a ballast. Single or Double-Ended Power installations. Operating temperatures -4°F to 104°F (-20°C to 40°C).

## Optics

Anti-UV Frosted Polycarbonate Lens.

## Controls

Compatible with ON/OFF occupancy sensors.

## Listings

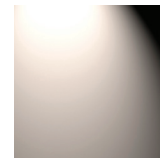
ETL certified to meet US and Canadian standards. FCC, and RoHS compliant. Listed to qualify for energy-efficient LED lighting rebates.

## Warranty

5 yr /50K hrs.

## Correlated Color Temperatures (CCT)

4000K



5000K



## Specifications

### Energy Data

Input Voltage: 120-277V

Input Frequency: 50/60 Hz

Wattage: 12W, 14W, 18W

Power Factor: >0.9

Total Harmonic Distortion (THD): <10%

Operating Temperature: -4°F to 104°F (-20°C to 40°C)

### Lighting Data

Lumens: 1800, 2100, 2700

Lumens Per Watt: 150 lm/W

Color Correlated Temperature (CCT): 4000K, 5000K

Dimmable: No

Color Rendering Index (CRI): >80

L70: 50000 hours

## Ordering Information

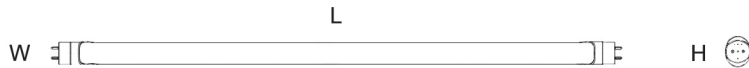
Model	Size	Wattage	Voltage	Current	Lumens	Efficacy	CCT	Dimming	Color	Dimensions	Weight
MS4T8A12-4000K	4-FT	12W	120-277V	0.10A@120V, 0.04A@277V	1800	150 lm/W	4000K	No	White w/ Silver	47.12"L x 1.00"W x 1.25"H	0.50 lbs
MS4T8A12-5000K	4-FT	12W	120-277V	0.10A@120V, 0.04A@277V	1800	150 lm/W	5000K	No	White w/ Silver	47.12"L x 1.00"W x 1.25"H	0.50 lbs
MS4T8A14-4000K	4-FT	14W	120-277V	0.12A@120V, 0.05A@277V	2100	150 lm/W	4000K	No	White w/ Silver	47.12"L x 1.00"W x 1.25"H	0.50 lbs
MS4T8A14-5000K	4-FT	14W	120-277V	0.12A@120V, 0.05A@277V	2100	150 lm/W	5000K	No	White w/ Silver	47.12"L x 1.00"W x 1.25"H	0.50 lbs
MS4T8A18-4000K	4-FT	18W	120-277V	0.15A@120V, 0.06A@277V	2700	150 lm/W	4000K	No	White w/ Silver	47.12"L x 1.00"W x 1.25"H	0.50 lbs
MS4T8A18-5000K	4-FT	18W	120-277V	0.15A@120V, 0.06A@277V	2700	150 lm/W	5000K	No	White w/ Silver	47.12"L x 1.00"W x 1.25"H	0.50 lbs

## Shipping Information

Model Size	Unit Weight	Shipping Dimensions	Shipping Weight	Quantity /Box
4-FT	0.50 lbs	47.75"L x 7.50"W x 7.50"D	15.47 lbs	25

## Physical Dimensions

**4-FT Models**      47.12"L x 1.00"W x 1.25"H



## Ballast Compatibility

Brand	Model	Brand	Model
ACT	ACT2P32ISUNV	Keystone	KTEB-232RIS-1-TP-SL
ACT	ACT4P32ISUNVE	Keystone	KTEB-232-UV-IS-N-P
Electronic Ballast	TBE-126FW	Keystone	KTEB-432-UA-IS-N-P
Espen	VE232MVHIPL	Osram	QHE 1X32T8/347 ISN-SC
Espen	VE2P32MVHIPE	Osram	QHE 1X32T8/UNV ISL-SC
Espen	VE3P32MVHIPE	Osram	QHE 1X32T8/UNV ISN-SC-1
Espen	VE4P32MVHIPE	Osram	QHE 2X32T8/UNV ISL-SC
Fullham Workhorse	WH5-120-L	Osram	QHE 2X32T8/UNV ISL-SC-1
Fullham Workhorse	WH5-277-L	Osram	QHE 2X32T8/UNV ISN-SC
Fullham Workhorse	WH6-120-L	Osram	QHE 3X32T8/UNV ISN-SC
Fullham Workhorse	WH6-277-L	Osram	QHE 4X32T8/UNV ISN-SC
Fullham Workhorse	WHCG2-120-T8-IS	Osram	QTP 1X32T8/UNV ISN-SC
Fullham Workhorse	WHSG1-UNV-T8-IS	Osram	QTP 2X32T8/UNV ISN-SC
Fullham Workhorse	WHSG4-UNV-T8-IS	Osram	QTP 3X32T8/UNV ISN-SC
GE	GE132MAX-L/ULTRA	Osram	QTP 3X32T8/UNV ISN-SC
GE	GE132MAX-P-N/ULTRA	Osram	QTP 4X32T8/UNV ISN-SC
GE	GE232-120RES-DIY	Pacific Ballast	EB-232IS-120-RES
GE	GE232-120RESDIYB	Philips	ICN-3P32-N
GE	GE232MAX347-N	Philips	ICN-3P32-SC
GE	GE232MAX-G-N	Philips	ICN-4P32-N
GE	GE232MAX-G-N-DIYB	Philips	ICN-4P32-SC
GE	GE232MAX-P-H/ULTRA	Philips	IOP-2P32-HL-N
GE	GE232-MV-N	Philips	IOP-2P32-LW-N
GE	GE232MV-N-DIY	Philips	IOP-4P32-LW-N
GE	GE232-N-347	Philips	IOPA-3P32-LW-N
GE	GE332-120-N	Philips	IOPA-3P32-N
GE	GE332MAX90-V60	Philips	IOPA-3P32-SC
GE	GE332MAX-G-N	Philips	IOPA-4P32-N
GE	GE332MAX-G-N-DIYB	Philips	REB-2P32-N
GE	GE332MV-L	Philips	REB-2P32-SC
GE	GE332MV-N-DIY	Philips	REB-4P32-SC
GE	GE432-120-N	Plusrite	BAF232IS/MV
GE	GE432-120RES-B	Plusrite	BAF332IS/MV
GE	GE432-120RES-DIY	PowerMaster	PM-2X32T8-UNV-IS-L
GE	GE432-120RESDIYB	Radionic	E232H12
GE	GE432MAX-G-N	Robertson	IEA432T8120N
GE	GE432MAX-G-N-DIYB	Robertson	ISU232T8120
GE	GE432MAX-H/ULTRA	Standard Products	E232T8IS120-277/N/AS
GE	GE432MAX-N/ULTRA	Sunpark	120-3/32IS MPF
GE	GE432MAX-P-H/ULTRA	Sunpark	U-2/32ISE
GE	GE432MV-N	Sunpark	U-2/32ISE-LBF
GE	GE432MV-N-DIY	Sunpark	U-3/32ISE
Halco Prolume	EP232IS/L/MV/SL	Sunpark	U-4/32ISE
Howard Industries	EP2/32IS/MV/MC/HE	Triad	B232IUNVHP-B
Howard Industries	EP3/32IS/MV/MC/HE	Triad	B332IUNVHP-A
Howard Industries	EP4/32IS/MV/MC/HE	Triad	B432IUNVHP-A
Howard Industries	EPL3/32IS/MV/SC/HE	Universal	B132IUNVHP-N
		Universal	B232IUNVHP-N