SATCO® | NUVO®

PRODUCT INFORMATION

LED T8 dual mode (ballast bypass/ ballast compatible) linear lamps

Direct replacements for fluorescent T8 lamps in existing fixtures with or without ballasts.



Applications/Features

- Over 40% energy savings vs. standard T8 systems
- Ballast compatible (12W) and ballast bypass (13W) in one lamp
- Bypass mode works in single or double ended wiring††
- Protection from arcing***
- All glass tube
- Compatible with emergency and dimming ballasts*
- 120-277V in bypass mode
- Damp location
- Long life—50,000 hours
- PET coated
- DLC 4.2 listed
- C-UL-us listed
- 5 Year warranty**

LED T8 Dual Mode Linear Lamps - Ballast Compatible

Item Number	Lamp Description	W	CRI	CCT	Lm	Bm	M.O.L. (Inches)	Life/ Hrs.	UPC	Pk./ Mstr.
S8890	12T8/LED/48-830/DUAL/BP-DR	12	83	3000K	1800	240˚	48	50K	045923088902	25
S8891	12T8/LED/48-835/DUAL/BP-DR	12	83	3500K	1800	240˚	48	50K	045923088919	25
S8892	12T8/LED/48-840/DUAL/BP-DR	12	83	4000K	1900	240˚	48	50K	045923088926	25
S8893	12T8/LED/48-850/DUAL/BP-DR	12	83	5000K	1900	240˚	48	50K	045923088933	25

* May not be compatible with all instant start, rapid start, dimmable, and emergency ballasts. Visit www.satco.com for an approved list.
** See separate warranty for complete terms and conditions.

LED T8 Dual Mode Linear Lamps - Ballast Bypass

Item Number	Lamp Description	W	V	CRI	CCT	Lm	Bm	M.O.L. (Inches)	Life/ Hrs.	UPC	Pk./ Mstr.
S8890	13T8/LED/48-830/DUAL/BP-DR	13	120-277	83	3000K	1800	240˚	48	50K	045923088902	25
S8891	13T8/LED/48-835/DUAL/BP-DR	13	120-277	83	3500K	1800	240˚	48	50K	045923088919	25
S8892	13T8/LED/48-840/DUAL/BP-DR	13	120-277	83	4000K	1900	240˚	48	50K	045923088926	25
S8893	13T8/LED/48-850/DUAL/BP-DR	13	120-277	83	5000K	1900	240˚	48	50K	045923088933	25

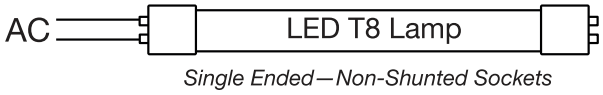
* May not be compatible with all instant start, rapid start, dimmable, and emergency ballasts. Visit www.satco.com for an approved list.
** See separate warranty for complete terms and conditions.
†† Bypass mode works wired as a single ended lamp on non-shunted sockets or as a double ended lamp on either shunted or non-shunted sockets.

Wiring–Ballast Compatible

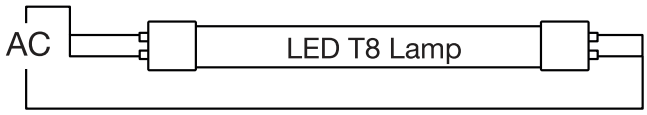
For instant start ballasts on the approved list, ensure that LED/fluorescent sockets are wired in a shunt configuration according to manufacturer's wiring diagram.

For rapid start ballasts on the approved list, non-shunted LED/fluorescent sockets are needed and wired according to manufacturer's wiring diagram.

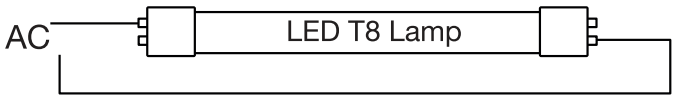
Wiring Options–Ballast Bypass - 120-277V



Single Ended—Non-Shunted Sockets



Double Ended—Non-Shunted Sockets



Double Ended—Shunted Sockets

System Performance - LED T8 Dual Mode Linear Lamps - Ballast Compatible

System Performance Chart				Bare Lamp (Rated)		Bare Lamp Wattage			System Wattage			Initial Lumens			Lifetime		
Item Nmbr	Description	CCT	Length (ft)	Nominal Wattage	Nominal Lumens	LBF (0.78)	NBF (0.88)	HBF (1.18)	LBF (0.78)	NBF (0.88)	HBF (1.18)	LBF (0.78)	NBF (0.88)	HBF (1.18)	LBF (0.78)	NBF (0.88)	HBF (1.18)†
S8890	12T8/LED/48-830/DUAL/BP-DR	3000K	4	12	1800	11.0	12.0	17	13.5	15.5	20.0	1600	1800	2500	>50Khrs	>50Khrs	50Khrs
S8891	12T8/LED/48-835/DUAL/BP-DR	3500K	4	12	1800	11.0	12.0	17	13.5	15.5	20.0	1600	1800	2500	>50Khrs	>50Khrs	50Khrs
S8892	12T8/LED/48-840/DUAL/BP-DR	4000K	4	12	1900	11.0	12.0	17	13.5	15.5	20.0	1700	1900	2600	>50Khrs	>50Khrs	50Khrs
S8893	12T8/LED/48-850/DUAL/BP-DR	5000K	4	12	1900	11.0	12.0	17	13.5	15.5	20.0	1700	1900	2600	>50Khrs	>50Khrs	50Khrs

*** Power must be turned off prior to installing lamps. Sockets must be in good working order, not broken, cracked or electrically compromised. If arcing occurs at the lamp pin, thermal fuse may activate to avoid overheating of lamp.
† LED tube life will change with ballast factor, configurations producing ballast factors above 1.18 are not allowed.

Copyright © 2020
Satco Products, Inc.
All Rights Reserved.
7/20 SA2316

National Toll-Free:
800-43-SATCO
(800-437-2826)
www.satco.com

Distribution Centers:
New York, Florida,
Texas, Washington,
California, Puerto Rico

Satco Products Inc.
110 Heartland Blvd.,
Brentwood, NY 11717
PH 631-243-2022
FX 631-243-2027