

## LED TUBES Ballast bypass Type B

With ultimate installation flexibility, our double-ended ballast bypass tubes are the optimal choice when upgrading from fluorescent lamps to LED. Simple and safe installation allows for years of maintenance-free and low-cost operation making them the ideal energy efficient solution. They are also offered with a multi-volt option of 120-347V to reduce your inventory!



enclosed  
fixture



### ■ Patented Internal Switch

Standard's ballast bypass tubes have a patented internal switch to ensure safe and easy installation. Only when both ends are well connected will the power be circulating through the lamp and therefore, prevents from potential shock.

### ■ Double Ended Tube

The double ended tube are wired at both ends allowing them to work on shunted and non-shunted lamp holders. No socket rewiring is needed. Simply bypass the ballast and insert the LED tube!

### ■ Quality Glass Encasing

The quality glass encasing ensures protection against tube yellowing, prevents the tube from bending over time and also provides an optimal heat dissipation to offer the longest lifespan.

# Summary Specification Table

Order code	Description	Watts (W)	Base	Volts (VAC)	Color temp. (K)	CRI	Life (h)	Lumen output (lm)	Case qty (master)
<b>T5 bypass - Single &amp; double ended</b>									
<b>28 W Replacement</b>									
66995	T5/13W/835/46/BYP/120-277/ND/STD	13	G5	120-277	3 500	80	50 000	1 600	25
66996	T5/13W/840/46/BYP/120-277/ND/STD	13	G5	120-277	4 000	80	50 000	1 650	25
66997	T5/13W/850/46/BYP/120-277/ND/STD	13	G5	120-277	5 000	80	50 000	1 700	25
<b>54 W Replacement</b>									
66998	T5/25W/840/46/BYP/120-277/ND/STD	25	G5	120-277	4 000	80	50 000	3 300	25
69149	T5/25W/850/46/BYP/120-347/ND/STD	25	G5	120-347	5 000	80	50 000	3 500	25
67160 <sup>2</sup>	T5/25W/840/46/BYP/277-347/ND/STD	25	G5	277-347	4 000	80	50 000	3 300	25
67161 <sup>2</sup>	T5/25W/850/46/BYP/277-347/ND/STD	25	G5	277-347	5 000	80	50 000	3 400	25

Order code	Description	Watts (W)	Base	Volts (VAC)	Color temp. (K)	CRI	Life (h)	Lumen output (lm)	Case qty (master)
<b>T8 bypass - Single &amp; double ended</b>									
<b>2' 120-277 V</b>									
68426	T8/S2/9W/840/24/BYP/120-277/ND/STD	9	G13	120-277	4000	80	50 000	1 200	25
<b>3' 120-277 V</b>									
68429	T8/S2/12W/840/36/BYP/120-277/ND/STD	12	G13	120-277	4000	80	50 000	1 500	25
<b>4' 120-277 V</b>									
68431	T8/S2/12.5W/835/48/BYP/120-277/ND/STD	12.5	G13	120-277	3500	80	50 000	1 650	25
68432	T8/S2/12.5W/840/48/BYP/120-277/ND/STD	12.5	G13	120-277	4000	80	50 000	1 750	25
68433	T8/S2/12.5W/850/48/BYP/120-277/ND/STD	12.5	G13	120-277	5000	80	50 000	1 800	25
68434	T8/S2/15W/835/48/BYP/120-277/ND/STD	15	G13	120-277	3500	80	50 000	2 000	25
68435	T8/S2/15W/840/48/BYP/120-277/ND/STD	15	G13	120-277	4000	80	50 000	2 200	25
68436	T8/S2/15W/850/48/BYP/120-277/ND/STD	15	G13	120-277	5000	80	50 000	2 200	25
<b>4' 120-347 V<sup>3</sup></b>									
68437	T8/S2/11.5W/835/48/BYP/120-347/ND/STD	11.5	G13	120-347	3500	80	50 000	1 750	25
68438	T8/S2/11.5W/840/48/BYP/120-347/ND/STD	11.5	G13	120-347	4000	80	50 000	1 800	25
68439	T8/S2/11.5W/850/48/BYP/120-347/ND/STD	11.5	G13	120-347	5000	80	50 000	1 800	25
68440	T8/S2/15W/835/48/BYP/120-347/ND/STD	15	G13	120-347	3500	80	50 000	2 100	25
68441	T8/S2/15W/840/48/BYP/120-347/ND/STD	15	G13	120-347	4000	80	50 000	2 200	25
68442	T8/S2/15W/850/48/BYP/120-347/ND/STD	15	G13	120-347	5000	80	50 000	2 200	25

With the same advantages as regular LED fluorescent replacement lamps, safety coated lamps are shatter resistant to protect employees, production and customers. Standard's safety max PTFE coated lamps help to contain broken glass if the lamp is dropped. It is the perfect solution for commercial kitchens, art galleries, museums and schools.

Order code	Description	Watts (W)	Base	Volts (VAC)	Color temp. (K)	CRI	Life (h)	Lumen output (lm)	Case qty (master)
<b>T8 Bypass SAFETY MAX™ - Single and double ended<sup>3</sup></b>									
68448	T8/S2/15W/835/48/BYP/120-347/ND/STD/SMX	15	G13	120-347	3500	80	50 000	2 100	25
68449	T8/S2/15W/840/48/BYP/120-347/ND/STD/SMX	15	G13	120-347	4000	80	50 000	2 200	25
68450	T8/S2/15W/850/48/BYP/120-347/ND/STD/SMX	15	G13	120-347	5000	80	50 000	2 200	25

## NOTE:

<sup>1</sup> Only for ballast bypass installation in 120-277V applications. Not for use in 347V direct line voltage applications.

<sup>2</sup> Only for ballast bypass installation in 277-347V applications. Not for use in 120V direct line voltage applications.

<sup>3</sup> Only for ballast bypass installation in 120-347V applications.

<sup>4</sup> Lumen values are derived from photometric testing for a complete list of compatible ballasts and DLC qualified products, please visit [www.standardpro.com](http://www.standardpro.com)

<sup>5</sup> These products comply with UL1598C Standard for LED luminaire Retrofit kits

