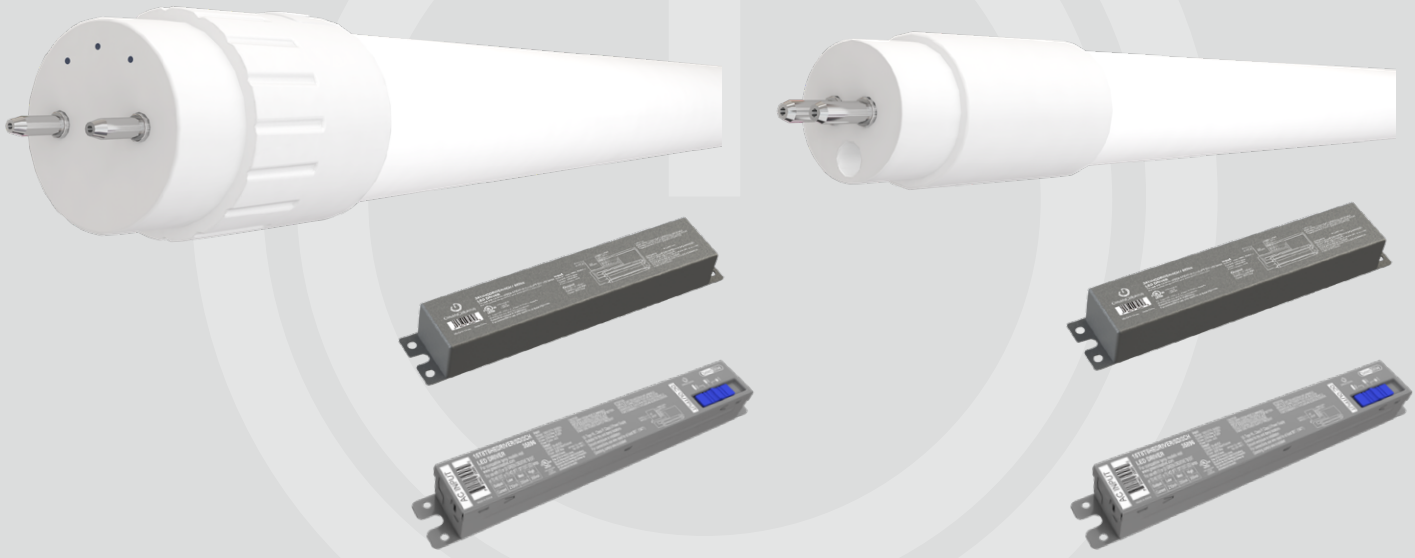
GREENCREATIVE

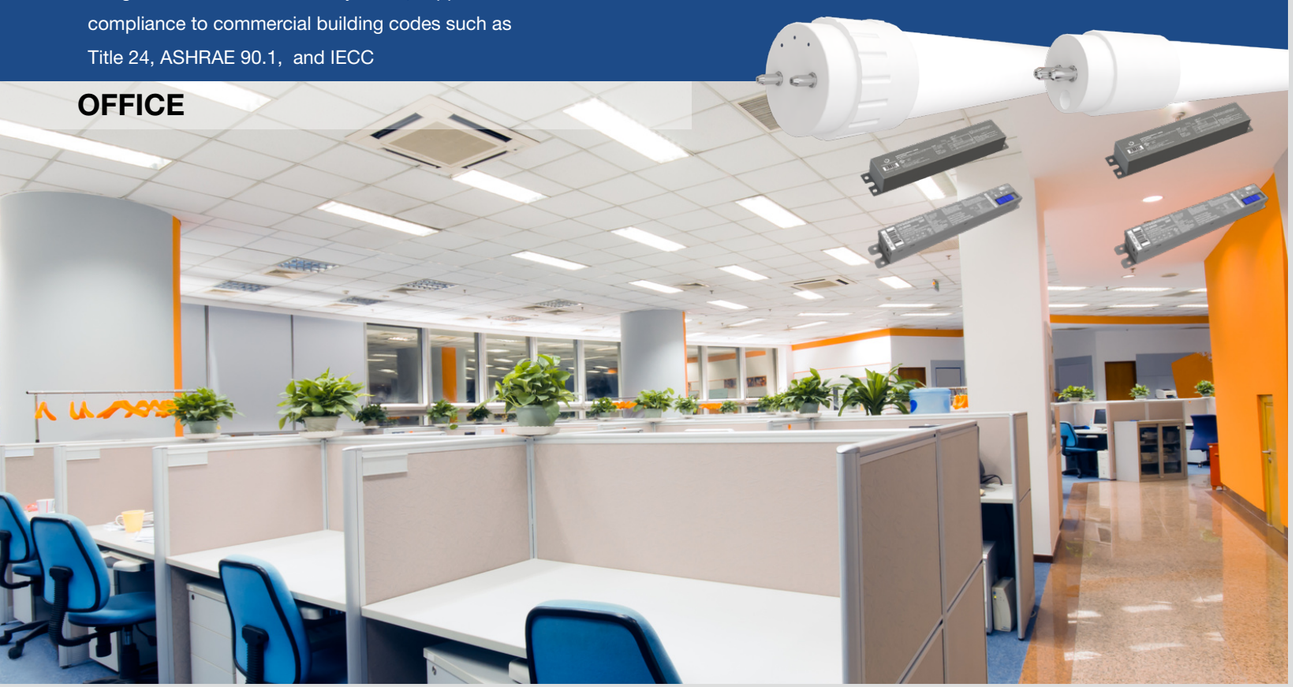
Your Partner for Professional Lighting Solutions



T8 / T5 EXT SERIES

FEATURES

- T8 tube – 2’ / 3’ / 4’ / Ubent
- T5HE tube – 2’ / 3’ / 4’; T5HO tube – 4’
- CCT: 3000K, 3500K, 4000K, 5000K
- Glass construction for T8 tube
- Plastic construction for T5 tube
- Fixture operating temperature: -4°F to 113°F (-20°C to 45°C)
- Lamp ambient temperature: -4°F to 131°F (-20°C to 55°C)
- Suitable for enclosed fixture
- Compatible with shunted and non-shunted sockets
- Integrates into 0-10V control systems, supports compliance to commercial building codes such as Title 24, ASHRAE 90.1, and IECC
- UL damp location
- 60,000h lifetime
- 5 year limited warranty** / 10 year available (see EXTENDED WARRANTIES table for information)
- DLC® Listed
- Parallel output driver requires no minimum lamp load to operate properly.
- Flicker Free (percent flicker and flicker index are less then 1% for T8T5HE/ HODRIVER, less than 3% for T8T5HEDRIVER/SD)



WHAT IS THE DIFFERENCE BETWEEN UL TYPE A, B, C TUBES

UL type	Type A – DIR LED tube operates on existing FL ballast	Type B – BYP/DEB LED tube with internal driver	Type C - EXT LED tube with ext driver as a retrofit kit
Cost	Low initial cost No rewiring required High maintenance cost	Medium initial cost Rewiring required Medium maintenance cost	Medium initial cost Rewiring required Low maintenance cost
Compatibility	Refer to ballast compatibility list before installation	N/A	N/A
System Efficiency	Good Dependent on ballast used	Best	Best
Controls	Dependent on ballast used	On/Off only	0-10V Dimming Easy to be integrated to controls
Recommended Application	General office lighting	General office lighting	Classrooms, Offices, Medical, and applications that require a high degree of control

PERFORMANCE

Lamp Information / External Driver Information			98259				98260			
			15T8T5HEDRIVER/2CH/R				15T8T5HEDRIVER/4CH/R			
			1 Lamp		2 Lamps		3 Lamps		4 Lamps	
Product	Model	CCT	Wattage*	Lumens	Wattage*	Lumens	Wattage*	Lumens	Wattage*	Lumens
98325	9.5T8/2F/830/EXT	3000K	11	1,350	22	2,700	33	4,050	44	5,400
98326	9.5T8/2F/835/EXT	3500K	11	1,400	22	2,800	33	4,200	44	5,600
98327	9.5T8/2F/840/EXT	4000K	11	1,500	22	3,000	33	4,500	44	6,000
35671	9.5T8/2F/850/EXT	5000K	11	1,500	22	3,000	33	4,500	44	6,000
98328	10.5T8/3F/830/EXT	3000K	12.5	1,450	25	2,900	37.5	4,350	50	5,800
98329	10.5T8/3F/835/EXT	3500K	12.5	1,500	25	3,000	37.5	4,500	50	6,000
98330	10.5T8/3F/840/EXT	4000K	12.5	1,600	25	3,200	37.5	4,800	50	6,400
98331	11.5T8/4F/830/EXT	3000K	13	1,600	26	3,200	39	4,800	52	6,400
98332	11.5T8/4F/835/EXT	3500K	13	1,650	26	3,300	39	4,950	52	6,600
98333	11.5T8/4F/840/EXT	4000K	13	1,700	26	3,400	39	5,100	52	6,800
98334	11.5T8/4F/850/EXT	5000K	13	1,700	26	3,400	39	5,100	52	6,800
35675	14T8/4F/835/EXT	3500K	16	2,000	32	4,000	48	6,000	64	8,000
98335	14T8/4F/840/EXT	4000K	16	2,050	32	4,100	48	6,150	64	8,200
98336	14T8/4F/850/EXT	5000K	16	2,050	32	4,100	48	6,150	64	8,200
98337	14.5T8U6/830/EXT	3000K	17	2,000	34	4,000	51	6,000	68	8,000
35461	14.5T8U6/835/EXT	3500K	17	2,000	34	4,000	51	6,000	68	8,000
98338	14.5T8U6/840/EXT	4000K	17	2,200	34	4,400	51	6,600	68	8,800
98339	14.5T8U6/850/EXT	5000K	17	2,200	34	4,400	51	6,600	68	8,800

Lamp Information / External Driver Information			98259				98260			
			15T8T5HEDRIVER/2CH/R				15T8T5HEDRIVER/4CH/R			
			1 Lamp		2 Lamps		3 Lamps		4 Lamps	
Product	Model	CCT	Wattage*	Lumens	Wattage*	Lumens	Wattage*	Lumens	Wattage*	Lumens
98306	9.5T5HE/2F/830/EXT	3000K	12	1,350	24	2,700	36	4,050	48	5,400
98307	9.5T5HE/2F/835/EXT	3500K	12	1,400	24	2,800	36	4,200	48	5,600
98308	9.5T5HE/2F/840/EXT	4000K	12	1,500	24	3,000	36	4,500	48	6,000
98309	11T5HE/3F/830/EXT	3000K	13	1,500	26	3,000	39	4,500	52	6,000
98310	11T5HE/3F/835/EXT	3500K	13	1,550	26	3,100	39	4,650	52	6,200
98311	11T5HE/3F/840/EXT	4000K	13	1,650	26	3,300	39	4,950	52	6,600
98312	13.5T5HE/4F/830/EXT	3000K	15	1,800	30	3,600	45	5,400	60	7,200
98313	13.5T5HE/4F/835/EXT	3500K	15	1,850	30	3,700	45	5,550	60	7,400
98314	13.5T5HE/4F/840/EXT	4000K	15	2,000	30	4,000	45	6,000	60	8,000

Lamp Information / External Driver Information			98261				98262			
			24T5HODRIVER/2CH/R				24T5HODRIVER/4CH/R			
			1 Lamp		2 Lamps		3 Lamps		4 Lamps	
Product	Model	CCT	Wattage*	Lumens	Wattage*	Lumens	Wattage*	Lumens	Wattage*	Lumens
98321	22T5HO/4F/830/EXT	3000K	26	3,200	52	6,400	78	9,600	104	12,800
98322	22T5HO/4F/835/EXT	3500K	26	3,200	52	6,400	78	9,600	104	12,800
98323	22T5HO/4F/840/EXT	4000K	26	3,400	52	6,800	78	10,200	104	13,600
98324	22T5HO/4F/850/EXT	5000K	26	3,400	52	6,800	78	10,200	104	13,600

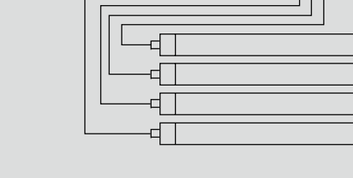
* System Wattage

LAMP & SelectDrive EXTERNAL DRIVER LUMEN OUTPUT GUIDE

LED Lamp model	Lamp & Driver system lumen output (based on 4000K)					
	15T8T5HEDRIVER/SD/2CH 15T8T5HEDRIVER/SD/4CH					
	Low(Power)	Low(Lumens)	Low(Power)	Low(Lumens)	Low(Power)	Low(Lumens)
14T8/4F/8XX/EXT	9.8	1,400 lm	11.7	1,650 lm	14.0	2,050 lm
11.5T8/4F/8XX/EXT	8.1	1,150 lm	9.6	1,400 lm	11.5	1,700 lm
10.5T8/3F/8XX/EXT	7.4	1,000 lm	8.8	1,250 lm	10.5	1,600 lm
9.5T8/2F/8XX/EXT	6.7	1,000 lm	7.9	1,200 lm	9.5	1,500 lm
14.5T8U6/8XX/EXT	9.2	1,400 lm	11.2	1,700 lm	14.5	2,200 lm

LED Lamp model	Lamp & Driver system lumen output (based on 4000K)					
	15T8T5HEDRIVER/SD/2CH 15T8T5HEDRIVER/SD/4CH					
	Low(Power)	Low(Lumens)	Low(Power)	Low(Lumens)	Low(Power)	Low(Lumens)
13.5T5HE/4F/8XX/EXT	9.5	1,400 lm	11.3	1,650 lm	13.5	2,000 lm
11T5HE/3F/8XX/EXT	7.7	1,100 lm	9.2	1,300 lm	11.0	1,650 lm
9.5T5HE/2F/8XX/EXT	6.7	1,000 lm	7.9	1,200 lm	9.5	1,500 lm

EXTERNAL DRIVER DIMENSION DRAWING



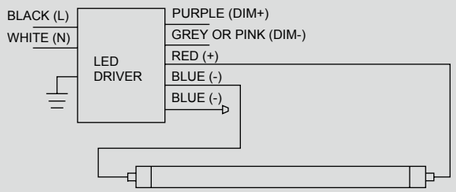
Product	Length	Width	Height
98259, 98260, 98261, 35896, 35897	9-1/2”	1-5/16”	1-3/16”
98262	9-1/2”	1-3/4”	1-3/16”

EXTERNAL DRIVER INSTALLATION

Double-ended Installation

- For shunted & non-shunted lamp holders
- Not polarity sensitive, lamps can be wired at either end

1 LAMP

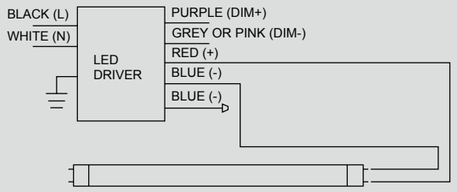


4 LAMPS

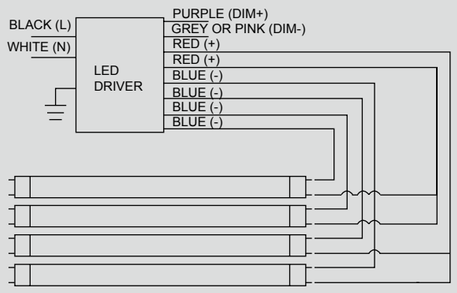
Single-ended Installation

- For non-shunted lamp holders only
- Not polarity sensitive, lamps can be wired at either end

1 LAMP



4 LAMPS



EXTENDED WARRANTIES**

Model	Description***
9.5T8/2F/EXT/10YEARWARRANTY	10 Year warranty for 9.5T8/2F/8xx/EXT/yy
10.5T8/3F/EXT/10YEARWARRANTY	10 Year warranty for 10.5T8/3F/8xx/EXT/yy
11.5T8/4F/EXT/10YEARWARRANTY	10 Year warranty for 11.5T8/4F/8xx/EXT/yy
14T8/4F/EXT/10YEARWARRANTY	10 Year warranty for 14T8/4F/8xx/EXT/yy
14.5T8/U6/EXT/10YEARWARRANTY	10 Year warranty for 14.5T8U6/8xx/EXT/yy
9.5T5/2F/EXT/10YEARWARRANTY	10 Year warranty for 9.5T5HE/2F/8xx/EXT/yy
11T5/3F/EXT/10YEARWARRANTY	10 Year warranty for 11T5HE/3F/8xx/EXT/yy
13.5T5/4F/EXT/10YEARWARRANTY	10 Year warranty for 13.5T5HE/4F/8xx/EXT/yy
15T8T5HEDRIVER/10YEARWARRANTY/2CH	10 Year warranty for 15T8T5HEDRIVER/2CH/yy
15T8T5HEDRIVER/10YEARWARRANTY/4CH	10 Year warranty for 15T8T5HEDRIVER/4CH/yy

** Warranty based on a maximum of 4,368 annual operating hours (per year for ten years) and exposure to a maximum ambient temperature of 80°F / 27°C.

*** xx – Refers to the CCT yy – Refers to model generations within the same nominal performance. Typically blank, ‘R’, or ‘RC’