

DR Series LED T5 Lamp Replacement – Direct Replacement (Plug & Play) of Fluorescent Lamp



Project:	
Type:	
Catalog #:	

STANDARD



The DR (direct replacement) Series of LED T5 lamps replace conventional fluorescent lamps in existing luminaires. Offering significant energy-efficiency and lifetime improvements over fluorescent lamps, DR Series lamps offer the convenience of plug-and-play installation by using existing fluorescent ballasts and lamp-holders.

FEATURES

- Available in 3500k, (warm/neutral white) and 4000k (neutral white).*
- Long-life LEDs provide 63,000 hours of operation with at least 70% of initial lumen output (L_{70}).**
- Provides 3,200 lumens from 28 watts input (114 lumens per watt) at 3500k, and 3,500 lumens (125 LPW) at 4000k.*
- Uniform illumination with no visible LED pixilation.
- Universal 120-277 AC voltage (50-60Hz) is standard.
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Color rendering index ≥ 80 .
- Full glass housing inhibits yellowing and distortion.
- Easy installation in existing fluorescent luminaires. Direct replacement models using existing fluorescent ballasts and lamp-holders.

* Contact factory for other color temperatures and lumen packages.

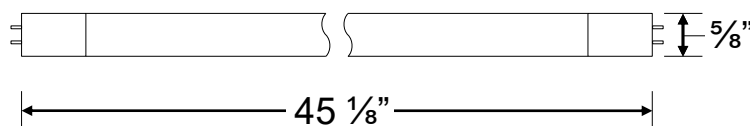
** L_{70} hours are IES TM-21-11 calculated hours.



WARRANTY & LISTINGS

- cULus listed for dry and damp locations in ambient temperatures from -20°C to 45°C (-4°F to 113°F).
- DLC standard approved.
- Complies with RoHS (Restriction on Hazardous Substances) requirements.
- Complies with FCC Part 15, Class B.
- 5-year warranty of all electronics and housing.
- Shatter-proof models (NSF certified) available by special order.

DIMENSIONS



ORDERING INFORMATION

Example: DR-T525W-3500LM-35K

Model*	Watts**	Color Temperature	Lumens	Lumens / Watt	Options
DR-T525W-3500LM	28	35K = 3500k	3,200	114	BAL1400ACTD = Emergency battery backup (1,400 lumens)
		4K = 4000k	3,500	125	BALT5-1300ACTD = Emergency battery backup (1,300 lumens, low-profile)

* Case quantities are 25.

** The wattage levels shown above are based on testing with fluorescent ballasts with 88% ballast factor. Actual lamp watts are determined by the existing ballast installed in the luminaire.

DR Series LED T5 Lamp Replacement – Direct Replacement (Plug & Play) of Fluorescent Lamp



ELECTRICAL DATA

Model	Color Temp.	CRI ¹	Lamp Lumens	Lamp Watts	Lumens/Watt	Input Voltage ²	Input Current (A)			Power Factor	THD ³	L ₇₀ Hours ⁴
							120V	240V	277V			
DR-T525W-3500LM-35K	3500k	> 80	3,200	28	114	120-277	0.23	0.12	0.10	> 90%	< 20%	63,000
DR-T525W-3500LM-4K	4000k	> 80	3,500	28	125	120-277	0.23	0.12	0.10	> 90%	< 20%	63,000

¹ Color rendering index.

² All 50-60Hz.

³ Total harmonic distortion.

⁴ L₇₀ refers to the number of hours at which lumen output declines to 70% of the initial level. L₇₀ hours are IES TM-21-11 calculated hours.