



COST LESS LIGHTING

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

APPLICATIONS

The DR (direct replacement) Series of LED T8 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), 4000k (neutral white) and 5000k (cool white) color temperatures.*
- Long-life LEDs provide up to 63,000 hours of operation with at least 70% of initial lumen output (L70).**
- Provides 3,200 lumens from 28 watts input (114 lumens per watt) at 3500k, and 3,500 lumens (125 LPW) at both 4000k and 5000k.*
- 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.

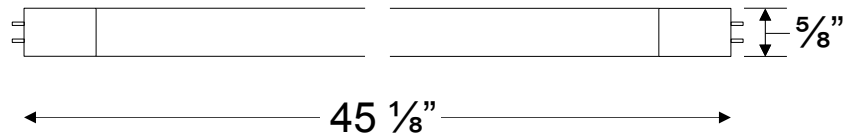
* contact factory for other color temperatures and lumen packages.
**L70 hours are IES TM-21-11 calculated hours.



WARRANTY/LISTING

- 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



STANDARD



PRODUCT PARAMETER

Model*	Watts**	Color Temperature	Lumens	Options	UPC
02-DR-T525W-3500LM-35K	28	35K = 3500k	3,200	BAL1400ACTD = Emergency battery backup (1,400 lumens)	
02-DR-T525W-3500LM-4K	28	4K = 4000k	3,500	BALT5-1300ACTD = Emergency battery backup (1,300 lumens, low-profile)	
02-DR-T525W-3500LM-5K	28	5K = 5000k	3,500		

* 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.



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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			
02-DR-T525W-3500LM-35K	3500k	> 80	3,200	28	114	120-277	0.23	0.12	0.10	> 90%	< 20%	63,000
02-DR-T525W-3500LM-4K	4000k	> 80	3,500	28	125	120-277	0.23	0.12	0.10	> 90%	< 20%	63,000
02-DR-T525W-3500LM-5K	5000k	> 80	3,500	28	125	120-277	0.23	0.12	0.10	> 90%	< 20%	63,000

¹ Color rendering index.

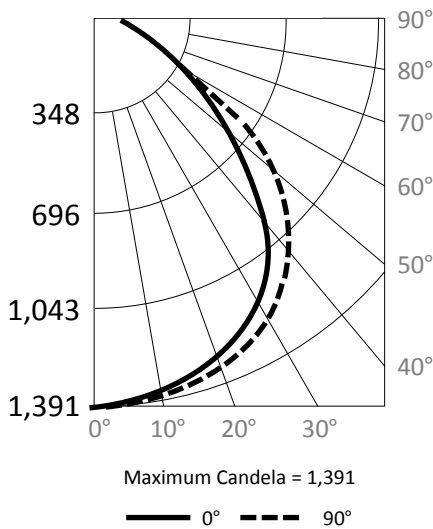
² All 50-60Hz.

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.

PHOTOMETRIC DATA

12-DR-T525W-3500LM-35K (3,500 Lumens)



Candlepower Summary		
	0°	90°
0°	1,391	1,391
10°	1,361	1,384
20°	1,286	1,337
30°	1,154	1,229
40°	947	1,079
50°	649	790
60°	385	415
70°	232	230
80°	126	141
90°	3	6

Zonal Lumen Summary		
Zone	Lumens	% Fixture
0° - 10°	132	3.8%
0° - 20°	514	14.7%
0° - 30°	1,097	31.4%
0° - 40°	1,793	51.2%
0° - 50°	2,474	70.7%
0° - 60°	2,970	84.9%
0° - 70°	3,258	93.1%
0° - 80°	3,429	98.0%
0° - 90°	3,500	100.0%
90° - 180°	0	0.0%
0° - 180°	3,500	100.0%

