

# DR Series LED T8 Lamp Replacement – Direct Replacement (Plug & Play) of Fluorescent Lamp



Project:	
Type:	
Catalog #:	

## STANDARD



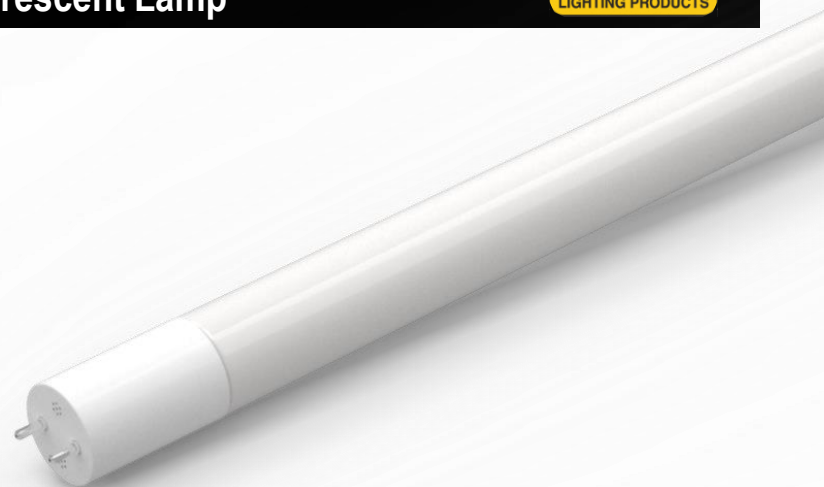
The DR (direct replacement) Series of LED T8 lamps replace conventional fluorescent lamps in existing luminaires. Offering significant energy-efficiency and lifetime improvements over fluorescent lamps, DR Series lamps offer the convenience of plug-and-play installation by using existing fluorescent 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 90,000 hours of operation with at least 70% of initial lumen output ( $L_{70}$ ).\*\*
- Models provide 1,700 lumens to 2,200 lumens per lamp, and 113 to 122 lumens per watt (LPW).\*
- 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  $\geq 80$ .
- 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.

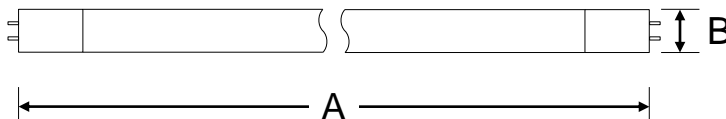
\*\*  $L_{70}$  hours are IES TM-21-11 calculated hours.



## WARRANTY & LISTINGS

- cULus listed for dry and damp locations in ambient temperatures from  $-20^{\circ}\text{C}$  to  $45^{\circ}\text{C}$  ( $-4^{\circ}\text{F}$  to  $113^{\circ}\text{F}$ ).
- 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



	A (Length)	B (Diameter)
4 Foot	47 1/8"	1"

## ORDERING INFORMATION

Example: DR4FT11W-35K

Model*	Watts**	Color Temperature	Lumens	Lumens / Watt	DLC Listed	Options
DR4FT11W	15	35K = 3500k	1,700	113	Yes	BAL1400ACTD = Emergency battery backup (1,400 lumens)
		4K = 4000k	1,800	120	Yes	BALT5-1300ACTD = Emergency battery backup (1,300 lumens, low-profile)
		5K = 5000k	1,800	120	Yes	
DR4FT15W	18	4K = 4000k	2,200	122	Yes	
		5K = 5000k	2,200	122	Yes	

\* 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 <sup>1</sup>	Lamp Lumens	Lamp Watts	Lumens/Watt	Input Voltage <sup>2</sup>	Input Current (A)			Power Factor	THD <sup>3</sup>	L <sub>70</sub> Hours <sup>4</sup>
							120V	240V	277V			
DR4FT11W35K	3500k	> 80	1,700	15	113	120-277	0.13	0.06	0.05	> 90%	< 20%	90,000
DR4FT11W4K	4000k	> 80	1,800	15	120	120-277	0.13	0.06	0.05	> 90%	< 20%	90,000
DR4FT11W5K	5000k	> 80	1,800	15	120	120-277	0.13	0.06	0.05	> 90%	< 20%	90,000
DR4FT15W4K	4000k	> 80	2,200	18	122	120-277	0.15	0.08	0.06	> 90%	< 20%	90,000
DR4FT15W5K	5000k	> 80	2,200	18	122	120-277	0.15	0.08	0.06	> 90%	< 20%	90,000

<sup>1</sup> Color rendering index.

<sup>2</sup> All 50-60Hz.

<sup>3</sup> Total harmonic distortion.

<sup>4</sup> L<sub>70</sub> refers to the number of hours at which lumen output declines to 70% of the initial level. L<sub>70</sub> hours are IES TM-21-11 calculated hours.