

## High Efficiency T8 LED Replacement Lamps



### FEATURES

- 4': 1650, 1800 & 2200 lumen options
- High Efficiency operation
- Beam Angle: 210°
- Compatible with most T8 electronic ballasts, 120-277V and 347V
- No warm-up time, instant on
- Long Life: 50,000 hours (L80)
- No fixture rewiring required
- Glass construction for optimum optical efficiency.
- Reduces energy by up to 40%
- Full light down to -4°F
- RoHs Compliant – Mercury Free
- No UV emissions
- 5 Year limited lamp warranty
- Ideal for frequent on/off switching
- Compatible with Emergency Ballasts
- Dimmable w/ Compatible Ballasts
- NSF Listed
- DesignLights Consortium® qualified on select models. Consult [www.designlights.org/QPL](http://www.designlights.org/QPL) for details



## ORDERING GUIDE

Model Number	Ordering Code	Length	CCT	Lumens	Power	Pkg Qty	DLC	UPC Code
T8LDR2F8/835D	T8LDR2F8/835D25C	24"	3500K	1250	8	25	Y	768386726173
T8LDR2F8/840D	T8LDR2F8/840D25C	24"	4000K	1250	8	25	Y	768386726180
T8LDR2F8/850D	T8LDR2F8/850D25C	24"	5000K	1250	8	25	Y	768386726197
T8LDR3F10/835D	T8LDR3F10/835D25C	36"	3500K	1450	10	25	Y	768386726203
T8LDR3F10/840D	T8LDR3F10/840D25C	36"	4000K	1450	10	25	Y	768386726210
T8LDR3F10/850D	T8LDR3F10/850D25C	36"	5000K	1450	10	25	Y	768386726227
T8LDR4F9/835D	T8LDR4F9/835D25C	48"	3500K	1650	9.5	25	Y	768386726234
T8LDR4F9/840D	T8LDR4F9/840D25C	48"	4000K	1650	9.5	25	Y	768386726241
T8LDR4F9/850D	T8LDR4F9/850D25C	48"	5000K	1650	9.5	25	Y	768386726258
T8LDR4F11/835D	T8LDR4F11/835D25C	48"	3500K	1800	11	25	Y	768386726265
T8LDR4F11/840D	T8LDR4F11/840D25C	48"	4000K	1800	11	25	Y	768386726272
T8LDR4F11/850D	T8LDR4F11/850D25C	48"	5000K	1800	11	25	Y	768386726289
T8LDR4F14/835D	T8LDR4F14/835D25C	48"	3500K	2200	14	25	Y	768386726296
T8LDR4F14/840D	T8LDR4F14/840D25C	48"	4000K	2200	14	25	Y	768386726302
T8LDR4F14/850D	T8LDR4F14/850D25C	48"	5000K	2200	14	25	Y	768386726319

\* Lumens are nominal lumens with a .88 ballast factor ballast

## ADDITIONAL SPECIFICATIONS

Lamp Type:	Linear T8 + U-Bend
Bulb:	T8
Base:	Medium Bi-Pin (G13)
Color Rendering Index (CRI):	82
Lumen Maintenance:	L80 > 60,000 Hours

Ambient Temperature:	-4°F to 113°F
Beam Angle:	210°
EMI/RFI:	FCC Part 18 Non-Consumer
Warranty (Ballast Factor 1.0 and lower):	5 years
Warranty (Ballast Factor greater than 1.0):	4 years

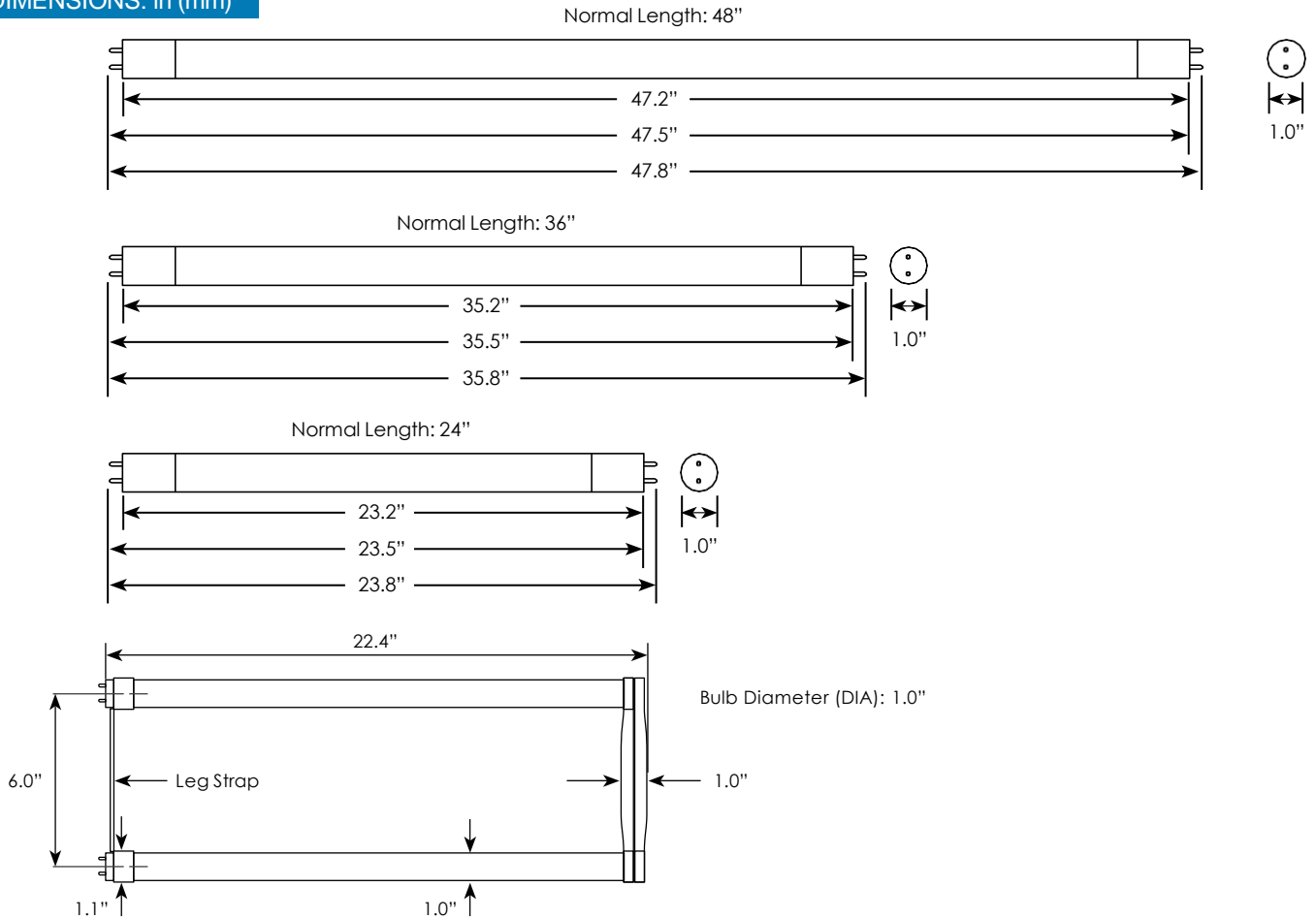
## PERFORMANCE DATA

Average System Performance		Bare Lamp Data		"Watts/Lamp Ballast Factor"			"Lumens/Lamp Ballast Factor"		
Description	Model Number	Power (Watts)	Efficacy (lm/W)	LBF (.77)	NBF (.88)	HBF (1.18)	LBF (.77)	NBF (.88)	HBF (1.18)
T8LED 8W 1250LM 2FT	T8LDR2F8/8xxD	8	156	11	11	11.5	1125	1250	N/A
T8LED 10W 1450LM 3FT	T8LDR3F10/8xxD	10	145	13	13	13.5	1305	1450	N/A
T8LED 9.5W 1650LM 4FT	T8LDR4F9/8xxD	9.5	174	12.5	12.5	13	1485	1650	2135
T8LED 11W 1800LM 4FT	T8LDR4F11/8xxD	11	164	14	14	14.5	1620	1800	2330
T8LED 14W 2200LM 4FT	T8LDR4F14/8xxD	14	157	17	17	17.5	1980	2200	2840

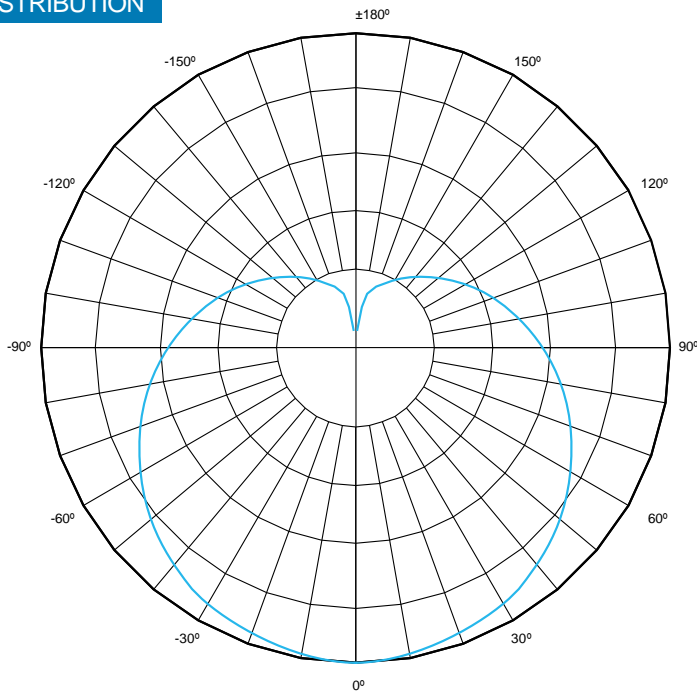


- xx represents CCT, xx=35 is 3500K, xx=40 is 4000K, xx=50 is 5000K
- Average performance per lamp based on 4000K
- Performance will vary based on lamp quantity and actual ballast used
- Bare Lamp data is based on use with a .88 ballast factor ballast

**DIMENSIONS: in (mm)**



**POLAR DISTRIBUTION**



**OPERATING NOTES:**

- Lamp used as a direct replacement for fluorescent 4' T8 lamps with electronic ballasts only.
- Consult [www.unvlt.com](http://www.unvlt.com) for compatible ballast list. Compatibility subject to change as additional ballasts are tested. Contact your Universal Lighting representative if you do not see your ballast on the compatibility list.
- Suitable for use in dry and damp environments
- Not for use with Magnetic ballasts
- Must follow installation guidelines provide with the lamp shipment.
- NSF Listed for Food Zone (Non-contact), Splash Zone, and Non-food Zone.
- Lampholders must be shunted either internally or externally when using Instant start ballasts.