

Project Name:

Notes:

Distribution Partner:



**320° Light Distribution**



<b>Product Series:</b>	Tubul <sup>®</sup> ARCH
<b>Lamp Type:</b>	LED T8 Type-B
<b>Base Type:</b>	G13 Medium Bi-Pin
<b>Wattage Eqv:</b>	17W (2FT)   32W (4FT)
<b>CCT Options:</b>	3000K   3500K   4100K   5000K
<b>Operating Temp:</b>	-20°C/-4°F to 45°C/113°F
<b>Regulatory:</b>	UL Damp Location
<b>Warranty:</b>	5-Year, 50,000Hr



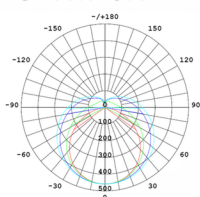
**KEY FEATURES**

- Full Length Glass Lens with 320° Lighting Distribution
- Uniform, End-to-End Light Output w/ Zero Pixelation
- Universal Input Voltage: 120-277V
- Instant-ON w/ No Flicker
- Highly Efficient, Up To 135lm/W
- Operates direct-wire from line voltage
- Nearly 70% Energy Savings Over Fluorescents
- UL, DLC QPL, and ETL Sanitation Listed

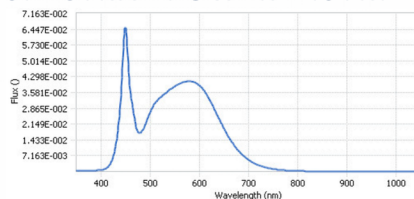
**PERFORMANCE SPECIFICATIONS**

MODEL	LAMP TYPE	LAMP WATTAGE	EQUIV. WATTAGE	INPUT VOLTAGE	NOMINAL LUMENS	CCT	CRI	THD	PF	CARTON QTY	LIGHT SPREAD	DLC QPL
LT8F120030BP3	T8   2ft	9W	17W	120-277V	1,100LM	3000K	83	<20%	>0.9	25	320°	
LT8F120035BP3	T8   2ft	9W	17W	120-277V	1,150LM	3500K	83	<20%	>0.9	25	320°	
LT8F120041BP3	T8   2ft	9W	17W	120-277V	1,200LM	4100K	83	<20%	>0.9	25	320°	
LT8F120050BP3	T8   2ft	9W	17W	120-277V	1,250LM	5000K	83	<20%	>0.9	25	320°	
LT8F170030BP3	T8   4ft	12W	32W	120-277V	1,650LM	3000K	83	<20%	>0.9	25	320°	
LT8F170035BP3	T8   4ft	12W	32W	120-277V	1,650LM	3500K	83	<20%	>0.9	25	320°	
LT8F170041BP3	T8   4ft	12W	32W	120-277V	1,750LM	4100K	83	<20%	>0.9	25	320°	
LT8F170050BP3	T8   4ft	12W	32W	120-277V	1,800LM	5000K	83	<20%	>0.9	25	320°	
LT8F190041BP3	T8   4ft	13W	32W	120-277V	1,900LM	4100K	83	<20%	>0.9	25	320°	
LT8F210041BP3	T8   4ft	15W	32W	120-277V	2,050LM	4100K	83	<20%	>0.9	25	320°	
LT8F210050BP3	T8   4ft	15W	32W	120-277V	2,100LM	5000K	83	<20%	>0.9	25	320°	
LT8F250030BP3	T8   4ft	18W	32W	120-277V	2,450LM	3000K	83	<20%	>0.9	25	320°	
LT8F250041BP3	T8   4ft	18W	32W	120-277V	2,500LM	4100K	83	<20%	>0.9	25	320°	
LT8F250050BP3	T8   4ft	18W	32W	120-277V	2,600LM	5000K	83	<20%	>0.9	25	320°	

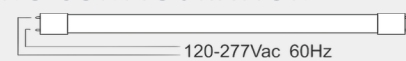
**POLAR CANDELA SPREAD**



**SPECTRAL POWER DISTRIBUTION**



**WIRING CONFIGURATION**



**MODEL NUMBER SYNTAX**



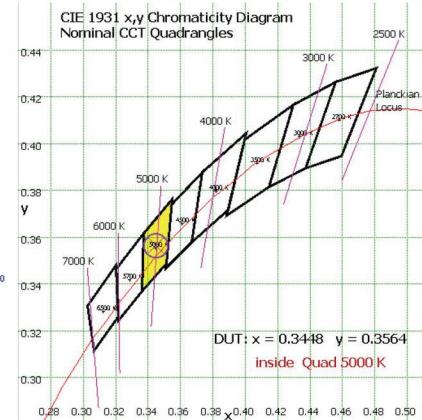
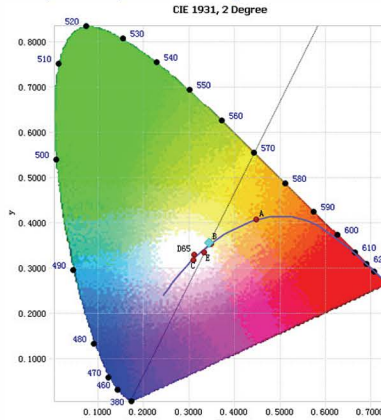
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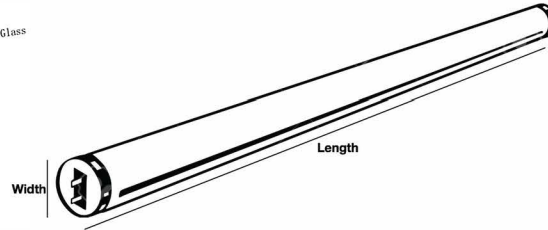
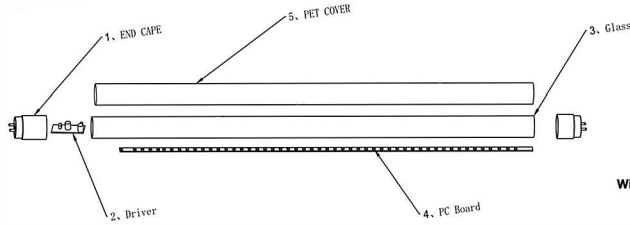
### SPHERE-SPECTRORADIOMETER METHOD (18W, 4FT, 5000K)

Parameter	Result	
Test Voltage (V)	120.0	277.0
Voltage frequency (Hz)	60	60
Test Current (A)	0.160	0.074
Power Factor	0.9941	0.9208
Test Power (W)	19.11	18.86
THD A%	8.05	7.70
Luminous Efficacy (lm/W)	136.6	138.1
Total Luminous Flux (lm)	2611.0	2605.0
Color Rendering Index (CRI)	83.6	
R9	10.5	
Correlated Color Temperature (CCT)(K)	5025	
Chromaticity Chroma x	0.3448	
Chromaticity Chroma y	0.3564	
Chromaticity Chroma u	0.2094	
Chromaticity Chroma v	0.3246	
Duv	0.0017	
Chromaticity Chroma u'	0.2094	
Chromaticity Chroma v'	0.4869	



Special Color Rendering Indices													
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
81.7	88.4	93	83.4	82.6	83.8	87.2	68.3	10.5	72.4	82.8	65	83.3	96.3

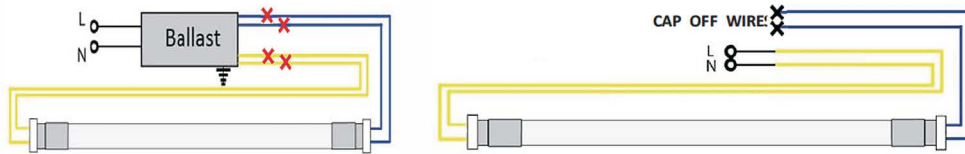
### MECHANICAL CHARACTERISTICS



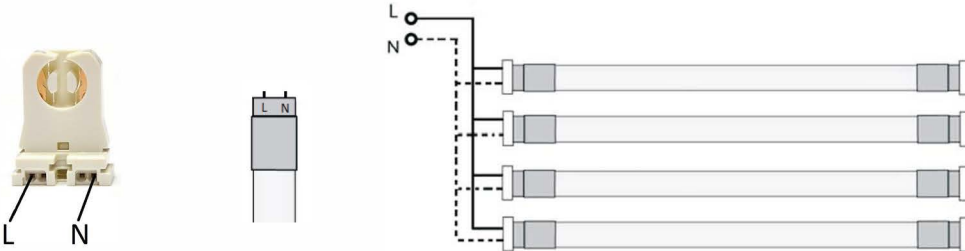
<b>Lamp:</b>	LED T8
<b>Construction:</b>	All Glass
<b>Width:</b>	1.10"
<b>Length(s):</b>	2, 4FT
<b>Base:</b>	G13

### BYPASS WIRING DIAGRAMS \*

1. Shut OFF power and disconnect connections to existing ballast as shown below.

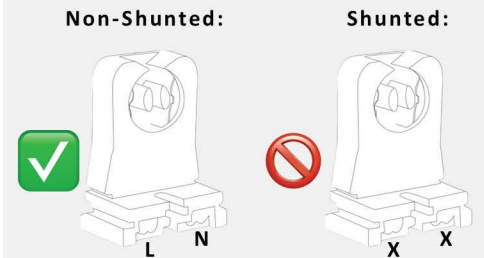


2. Connect wirings as shown below and turn ON the AC power source.



\* Visit [www.archipelagolighting.com](http://www.archipelagolighting.com) for the full up-to-date installation guide.  
 \*\* Single-ended input CANNOT be used with shunted lampholders.

**CAUTION:** Single-ended input CANNOT be used with shunted lampholders



**WARNING** – To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

**WARNING** – To avoid potential fire or shock hazard, do not use this retrofit kit in luminaires employing shunted bi-pin lamp holders. Note: Shunted lamp holders are found only in fluorescent luminaires with Instant-Start ballasts.