

Project Name:

Notes:

Distribution Partner:



**320° Light Distribution**



<b>Product Series:</b>	Tubul@RCH
<b>Lamp Type:</b>	LED T8 Type-A
<b>Base Type:</b>	(4FT) G13 Bi-Pin, (8FT) FA8 Single-Pin
<b>Wattage Eqv:</b>	17W (2FT)   32W (3 & 4FT)   59W (8FT)
<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
- Highly Efficient, Up To 135lm/W
- Uniform, End-to-End Light Output w/ Zero Pixelation
- Compatible to Wide-Range of Electronic Ballasts
- Universal Input Voltage: 120-277V, 347V
- Nearly 70% Energy Savings Over Fluorescents
- Instant-ON w/ No Flicker
- UL, DLC QPL, and ETL Sanitation Listed

**PERFORMANCE SPECIFICATIONS**

MODEL	LAMP TYPE	BARE LAMP / SYSTEM (W)*	EQUIV. WATTAGE	INPUT VOLTAGE*	NOMINAL LUMENS*	CCT**	CRI	THD	PF	CARTON QTY	LIGHT SPREAD	DLC QPL
LT8F1400xxK4	T8   2ft	9W / 12W	17W	120-277V, 347V	1,350LM — 1,400LM	4100K 5000K	83	<10%	>0.95	25	330°	
LT8F1600xxK3-3FT	T8   3ft	13W / 16W	32W	120-277V, 347V	1,600LM — 1,700LM	4100K 5000K	83	<10%	>0.95	25	330°	—
LT8F410xxK4	T8   4FT	10W / 13W	32W	120-277V, 347V	1650LM — 1800LM	4100K 5000K	83	<10%	>0.95	25	330°	
LT8F1900xxK4		13W / 16W	32W	120-277V, 347V	1,900LM — 2,000LM	3000K 3500K 4100K 5000K	83	<10%	>0.95	25	330°	
LT8F2100xxK4		15W / 18W	32W	120-277V, 347V	2,000LM — 2,200LM	3500K 4100K 5000K	83	<10%	>0.95	25	330°	
LT8F824xxK4		24W / 27W	59W	120-277V, 347V	3,300LM — 3,500LM	3000K 3500K 4100K 5000K	83	<10%	>0.95	25	330°	
LT8F842xxK4		42W / 47W	59W	120-277V, 347V	5,800LM — 6,200LM	3000K 3500K 4100K 5000K	83	<10%	>0.95	25	330°	

\* Ballast dependent

\*\* CCT options, where xx = 30, 35, 41, and 50 for (3000K, 3500K, 4100K, and 5000K respectively)

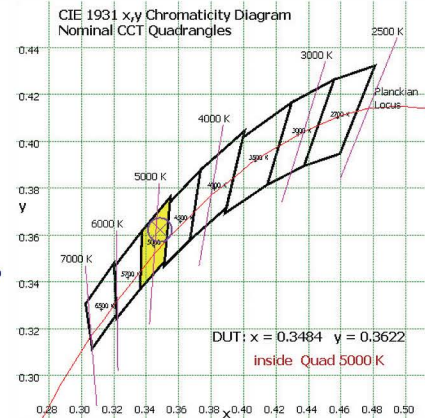
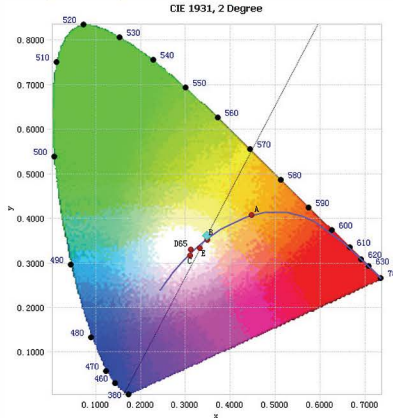
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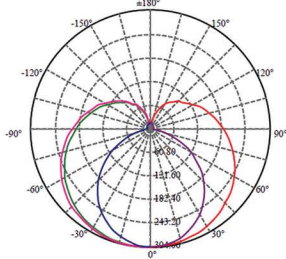
## SPHERE-SPECTRORADIOMETER METHOD (13W, 4FT, 5000K)

Parameter	Result	
Test Voltage (V)	120.0	277.0
Voltage frequency (Hz)	60	60
Test Current (A)	0.281	0.126
Power Factor	0.9957	0.9646
Test Power (W)/2	16.79	16.87
THD A%	5.69	11.97
Luminous Efficacy (lm/W)	121.4	120.8
Total Luminous Flux (lm)	2038.0	2037.0
Color Rendering Index (CRI)	81.5	
R9	3.7	
Correlated Color Temperature (CCT)(K)	4912	
Chromaticity Chroma x	0.3484	
Chromaticity Chroma y	0.3622	
Chromaticity Chroma u	0.2096	
Chromaticity Chroma v	0.3268	
Duv	0.0039	
Chromaticity Chroma u'	0.2096	
Chromaticity Chroma v'	0.4902	

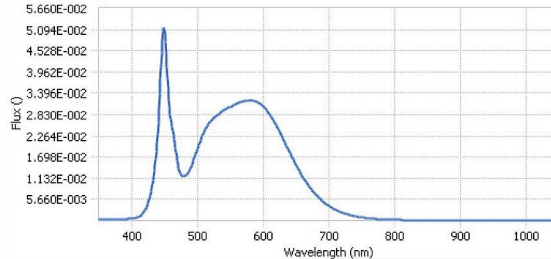


Special Color Rendering Indices													
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
79	86.2	91.7	80.8	79.2	80.7	87.7	66.5	3.7	67.3	79.2	55.4	80.6	95.5

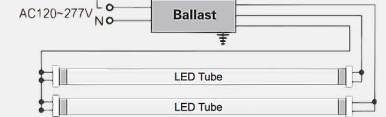
## POLAR CANDELA SPREAD



## SPECTRAL POWER DISTRIBUTION



## BALLAST CONFIGURATION



## MODEL NUMBER SYNTAX

**LT8F 1900 30 K4**

LED T8      Total Lumen      CCT      4th Gen

## BALLAST COMPATIBILITY\*\*

Dimmable

Instant Start

Program Start

Rapid Start

1-Lamp Load →

120-277V, 347V, 480V

2-Lamp Load →

120-277V, 347V, 480V

3-Lamp Load →

120-277V, 347V, 480V

4-Lamp Load →

120-277V, 347V, 480V

Ultrasave

Premium

Arcata

Standard

Howard

Espen

Fusion

Keystone

Pacific

Huafeng

Plusrite

Greenhill

Fulham

Universal

Osram

Sylvania

TCP

Sunpark

PowerMaster

Halco

Robertson

**GE**

**Advance**

\*\* Visit [www.archipelagolighting.com](http://www.archipelagolighting.com) for the full up-to-date ballast compatibility list.