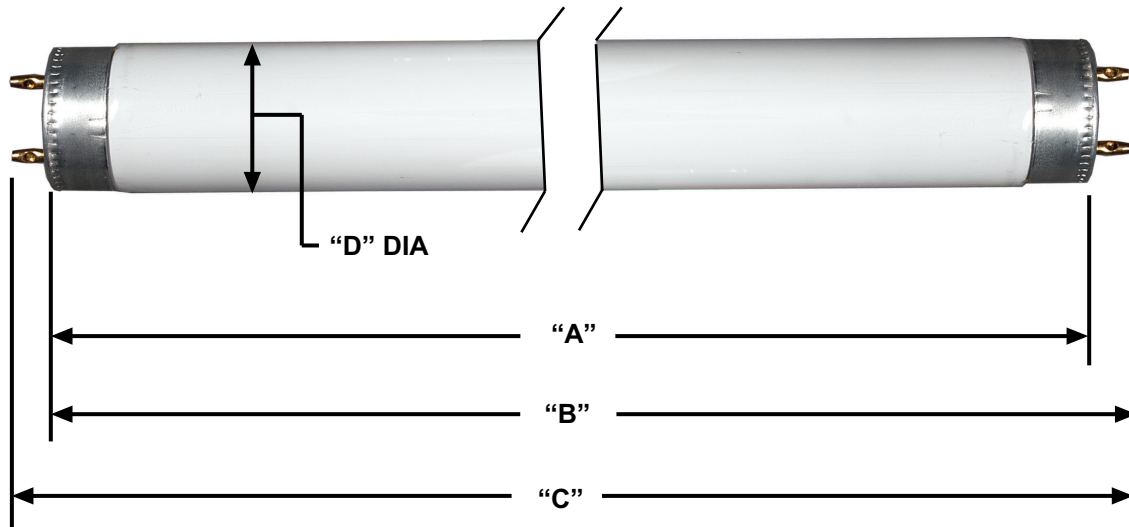


FRANCEAURA

T8 *Reliant*[™] Fluorescent Lamps

LAMP POWER WATTS	NOMINAL LENGTH INCHES	CAP FACE TO CAP FACE INCHES		CAP FACE TO END OF OPPOSITE PINS INCHES		OVERALL LENGTH OF LAMP BETWEEN PIN ENDS INCHES		DIAMETER INCHES
		"A" (MAX)	"A" (MIN)	"B" (MAX)	"B" (MIN)	"C" (MAX)	"C" (MIN)	
17	*24	22.55	22.45	22.83	22.73	23.11	23.01	1.10
25	36	33.18	33.09	33.46	33.36	33.74	33.64	1.10
32	48	45.18	45.09	45.46	45.36	45.74	45.64	1.10
40	60	57.18	57.09	57.46	57.36	57.74	57.64	1.10

*24" T8 Lamps are 1 3/8" longer than sign length T12 HO Lamps.
All other Lamps use sign length spacings.



FranceAura *Reliant* Lamps are premium tri-phosphor fluorescent lamps which offer greater service life - 80% light output at 60,000 hours. Available in 85 CRI, 4500K and 6500K color temperatures for excellent color rendering. All FranceAura *Reliant* Lamps are manufactured for dependable cold starting down to -30° C. Three designs incorporate a patented thermal jacket which enables the lamp to maintain 96% of the rated lumen output at 0° C. With 20% less energy consumption, 30% less mercury content and 30% increase in perceptible light output the FranceAura *Reliant* Lamp is economical as well as environmentally friendly. These lamps, manufactured in Sweden, have been used accross Europe for over 20 years with great success and that has earned them the FranceAura name *Reliant*.[™]

Long Life

T8 Reliant Fluorescent Lamps - 4500K White Plus CRI - 85			
Catalog #	Description	U/M	
* F24 T8 - LL / WP	24" T8 Fluorescent Lamp Long Life White Plus	EA	
F36 T8 - LL / WP	36" T8 Fluorescent Lamp Long Life White Plus	EA	
F48 T8 - LL / WP	48" T8 Fluorescent Lamp Long Life White Plus	EA	
F60 T8 - LL / WP	60" T8 Fluorescent Lamp Long Life White Plus	EA	

T8 Reliant Fluorescent Lamps - 6500K Daylight CRI - 85			
Catalog #	Description	U/M	
* F24 T8 - LL / DL	24" T8 Fluorescent Lamp Long Life Daylight	EA	
F36 T8 - LL / DL	36" T8 Fluorescent Lamp Long Life Daylight	EA	
F48 T8 - LL / DL	48" T8 Fluorescent Lamp Long Life Daylight	EA	
F60 T8 - LL / DL	60" T8 Fluorescent Lamp Long Life Daylight	EA	

*F24 T8 Lamps are 1 3/8" longer than sign length T12 HO Lamps. All other Lamps use sign length spacings.

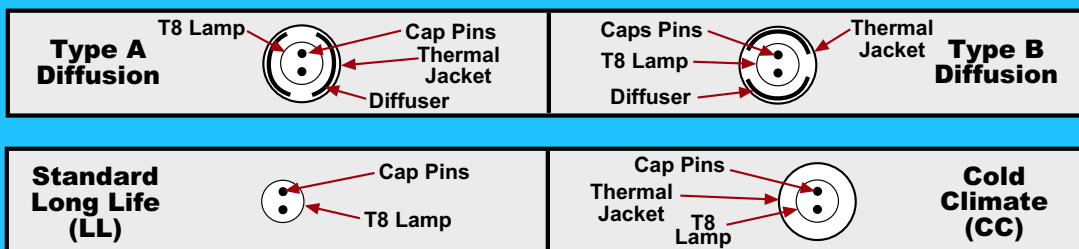
Cold Climate

T8 Reliant Fluorescent Lamps - 4500K White Plus CRI - 85			
Catalog #	Description	U/M	
* F24 T8 - CC / WP	24" T8 Fluorescent Lamp Cold Climate White Plus Non-Diffused	EA	
F36 T8 - CC / WP	36" T8 Fluorescent Lamp Cold Climate White Plus Non-Diffused	EA	
F48 T8 - CC / WP	48" T8 Fluorescent Lamp Cold Climate White Plus Non-Diffused	EA	
F60 T8 - CC / WP	60" T8 Fluorescent Lamp Cold Climate White Plus Non-Diffused	EA	
* F24 T8 - CC DA/WP	24" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type A White Plus	EA	
F36 T8 - CC DA/WP	36" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type A White Plus	EA	
F48 T8 - CC DA/WP	48" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type A White Plus	EA	
F60 T8 - CC DA/WP	60" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type A White Plus	EA	
* F24 T8 - CC DB/WP	24" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type B White Plus	EA	
F36 T8 - CC DB/WP	36" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type B White Plus	EA	
F48 T8 - CC DB/WP	48" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type B White Plus	EA	
F60 T8 - CC DB/WP	60" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type B White Plus	EA	

T8 Reliant Fluorescent Lamps - 6500K Daylight CRI - 85			
Catalog #	Description	U/M	
* F24 T8 - CC / DL	24" T8 Fluorescent Lamp Cold Climate Daylight Non-Diffused	EA	
F36 T8 - CC / DL	36" T8 Fluorescent Lamp Cold Climate Daylight Non-Diffused	EA	
F48 T8 - CC / DL	48" T8 Fluorescent Lamp Cold Climate Daylight Non-Diffused	EA	
F60 T8 - CC / DL	60" T8 Fluorescent Lamp Cold Climate Daylight Non-Diffused	EA	
* F24 T8 - CC DA/DL	24" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type A Daylight	EA	
F36 T8 - CC DA/DL	36" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type A Daylight	EA	
F48 T8 - CC DA/DL	48" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type A Daylight	EA	
F60 T8 - CC DA/DL	60" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type A Daylight	EA	
* F24 T8 - CC DB/DL	24" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type B Daylight	EA	
F36 T8 - CC DB/DL	36" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type B Daylight	EA	
F48 T8 - CC DB/DL	48" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type B Daylight	EA	
F60 T8 - CC DB/DL	60" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type B Daylight	EA	

*F24 T8 Lamps are 1 3/8" longer than sign length T12 HO Lamps. All other Lamps use sign length spacings.

T8 Lamp Pin/ Diffuser Configuration



FRANCE

www.franceformer.com

2268 Fairview Blvd. Fairview, Tn 37062 800-753-2753

05/17/05

FRANCE T8 Reliant Fluorescent Sign Lamps

FRANCE Part No.	Catalog #	Description	Length w/o pins inches	Watts	CRI	Initial Lumens	Mean Lumens	Lamp Efficacy	Rated Life Hours
T8 Reliant Fluorescent Lamps - 4000K White Plus									
78400	F24 T8 - LL / WP	24" T8 Fluorescent lamp Long Life White Plus	22.5	17	85	1400	1316	82	60,000
78401	F36 T8 - LL / WP	36" T8 Fluorescent lamp Long Life White Plus	33.2	25	85	2350	2209	94	60,000
78402	F48 T8 - LL / WP	48" T8 Fluorescent lamp Long Life White Plus	45.2	32	85	3100	2914	97	60,000
78403	F60 T8 - LL / WP	60" T8 Fluorescent lamp Long Life White Plus	57.2	40	85	3800	3572	95	60,000
78440	F72 T8 - LL / WP	72" T8 Fluorescent lamp Long Life White Plus	69.2	48	80-88	4000	3760	83	60,000
78441	F84 T8 - LL / WP	84" T8 Fluorescent lamp Long Life White Plus	81.2	56	81-88	4480	4211	80	60,000
78442	F96 T8 - LL / WP	96" T8 Fluorescent lamp Long Life White Plus	93.2	64	82-88	5120	4813	80	60,000
78408	F24 T8 - CC / WP	24" T8 Fluorescent lamp Cold Climate White Plus	22.5	17	85	1400	1316	82	60,000
78409	F36 T8 - CC / WP	36" T8 Fluorescent lamp Cold Climate White Plus	33.2	25	85	2350	2209	94	60,000
78410	F48 T8 - CC / WP	48" T8 Fluorescent lamp Cold Climate White Plus	45.2	32	85	3100	2914	97	60,000
78411	F60 T8 - CC / WP	60" T8 Fluorescent lamp Cold Climate White Plus	57.2	40	85	3800	3572	95	60,000
78412	F24 T8 - CC DA / WP	24" T8 Fluorescent lamp Cold Climate Dual diffusion Type A White Plus	22.5	17	85	1400	1316	82	60,000
78413	F36 T8 - CC DA / WP	36" T8 Fluorescent lamp Cold Climate Dual diffusion Type A White Plus	33.2	25	85	2350	2209	94	60,000
78414	F48 T8 - CC DA / WP	48" T8 Fluorescent lamp Cold Climate Dual diffusion Type A White Plus	45.2	32	85	3100	2914	97	60,000
78415	F60 T8 - CC DA / WP	60" T8 Fluorescent lamp Cold Climate Dual diffusion Type A White Plus	57.2	40	85	3800	3572	95	60,000
78416	F24 T8 - CC DB / WP	24" T8 Fluorescent lamp Cold Climate Dual diffusion Type B White Plus	22.5	17	85	1400	1316	82	60,000
78417	F36 T8 - CC DB / WP	36" T8 Fluorescent lamp Cold Climate Dual diffusion Type B White Plus	33.2	25	85	2350	2209	94	60,000
78418	F48 T8 - CC DB / WP	48" T8 Fluorescent lamp Cold Climate Dual diffusion Type B White Plus	45.2	32	85	3100	2914	97	60,000
78419	F60 T8 - CC DB / WP	60" T8 Fluorescent lamp Cold Climate Dual diffusion Type B White Plus	57.2	40	85	3800	3572	95	60,000
T8 Reliant Fluorescent Lamps - 6500K Daylight									
78404	F24 T8 - LL / DL	24" T8 Fluorescent lamp Long Life Daylight	22.5	17	80	1360	1278	80	60,000
78405	F36 T8 - LL / DL	36" T8 Fluorescent lamp Long Life Daylight	33.2	25	80	2280	2143	91	60,000
78406	F48 T8 - LL / DL	48" T8 Fluorescent lamp Long Life Daylight	45.2	32	80	3000	2820	94	60,000
78407	F60 T8 - LL / DL	60" T8 Fluorescent lamp Long Life Daylight	57.2	40	80	3675	3455	92	60,000
78443	F72 T8 - LL / DL	72" T8 Fluorescent lamp Long Life Daylight	69.2	48	80-90	4000	3760	83	60,000
78444	F84 T8 - LL / DL	84" T8 Fluorescent lamp Long Life Daylight	81.2	56	81-90	4480	4211	80	60,000
78445	F96 T8 - LL / DL	96" T8 Fluorescent lamp Long Life Daylight	93.2	64	82-90	5120	4813	80	60,000
78424	F24 T8 - CC / DL	24" T8 Fluorescent lamp Cold Climate Daylight	22.5	17	80	1360	1278	80	60,000
78425	F36 T8 - CC / DL	36" T8 Fluorescent lamp Cold Climate Daylight	33.2	25	80	2280	2143	91	60,000
78426	F48 T8 - CC / DL	48" T8 Fluorescent lamp Cold Climate Daylight	45.2	32	80	3000	2820	94	60,000
78427	F60 T8 - CC / DL	60" T8 Fluorescent lamp Cold Climate Daylight	57.2	40	80	3675	3455	92	60,000
78428	F24 T8 - CC DA / DL	24" T8 Fluorescent lamp Cold Climate Dual diffusion Type A Daylight	22.5	17	80	1360	1278	80	60,000
78429	F36 T8 - CC DA / DL	36" T8 Fluorescent lamp Cold Climate Dual diffusion Type A Daylight	33.2	25	80	2280	2143	91	60,000
78430	F48 T8 - CC DA / DL	48" T8 Fluorescent lamp Cold Climate Dual diffusion Type A Daylight	45.2	32	80	3000	2820	94	60,000
78431	F60 T8 - CC DA / DL	60" T8 Fluorescent lamp Cold Climate Dual diffusion Type A Daylight	57.2	40	80	3675	3455	92	60,000
78432	F24 T8 - CC DB / DL	24" T8 Fluorescent lamp Cold Climate Dual diffusion Type B Daylight	22.5	17	80	1360	1278	80	60,000
78433	F36 T8 - CC DB / DL	36" T8 Fluorescent lamp Cold Climate Dual diffusion Type B Daylight	33.2	25	80	2280	2143	91	60,000
78434	F48 T8 - CC DB / DL	48" T8 Fluorescent lamp Cold Climate Dual diffusion Type B Daylight	45.2	32	80	3000	2820	94	60,000
78435	F60 T8 - CC DB / DL	60" T8 Fluorescent lamp Cold Climate Dual diffusion Type B Daylight	57.2	40	80	3675	3455	92	60,000

Cold Climate lamps start down to -30 C.