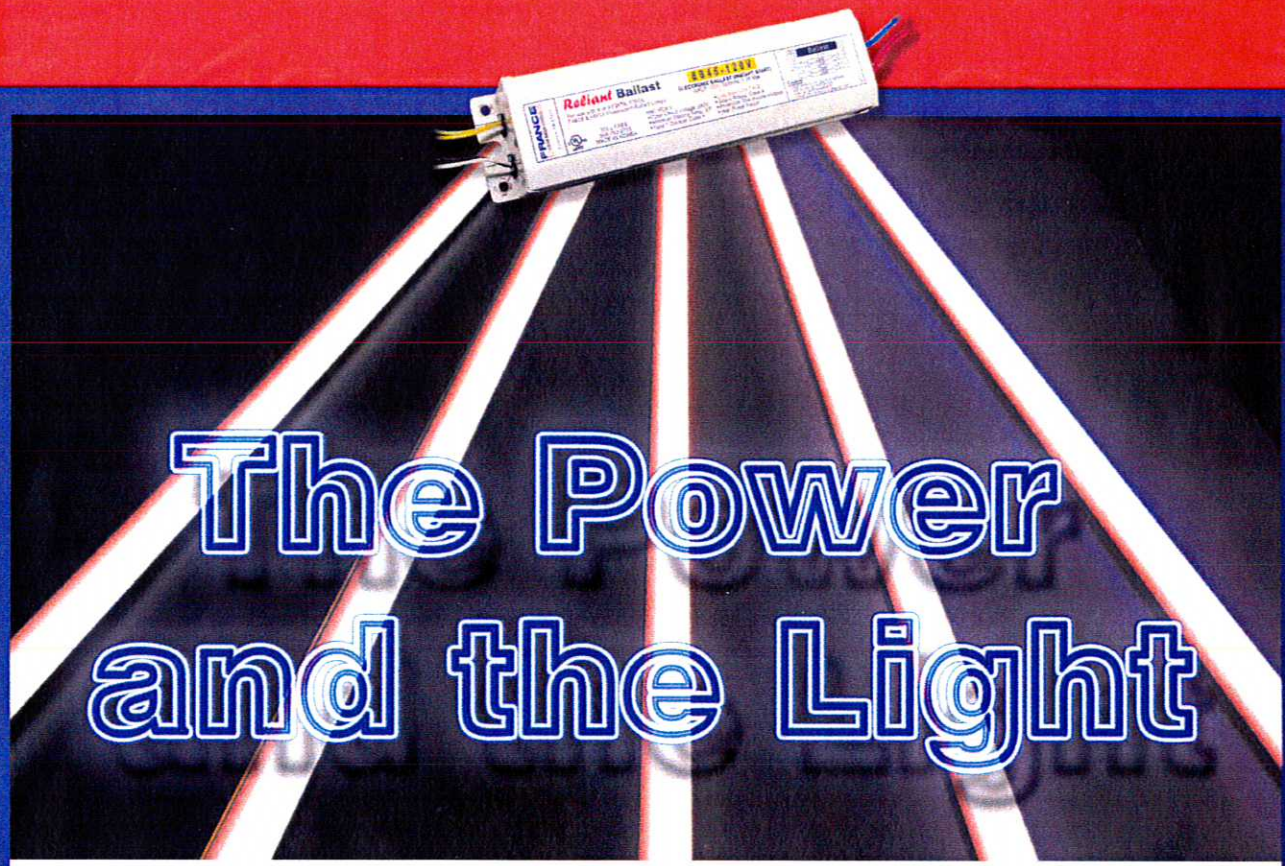
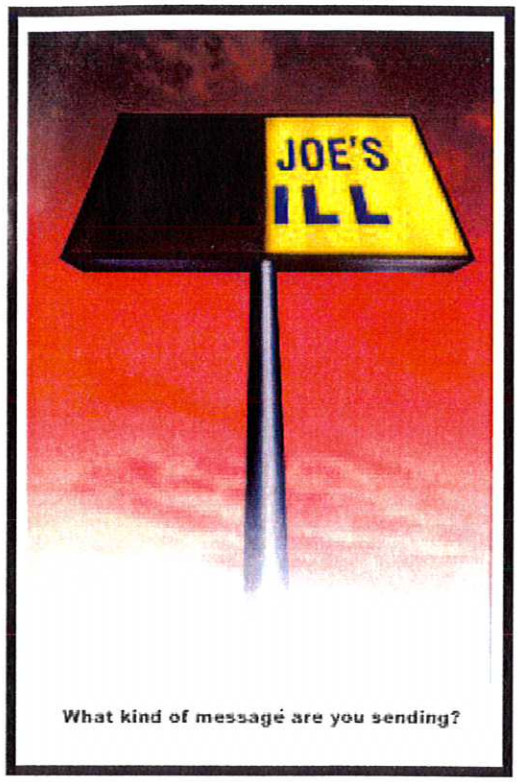
FRANCE



The Power and the Light

Reliant®
Lighting System



INTRODUCING THE FRANCE T8 RELIANT FLUORESCENT LIGHTING SYSTEM

10 YEAR LIFE EXPECTANCY

Up to 4 times longer life than standard T12 lamps, based on a normal-duty cycle usage of 12 hours per day.

VIRTUALLY ELIMINATES SERVICE CALLS

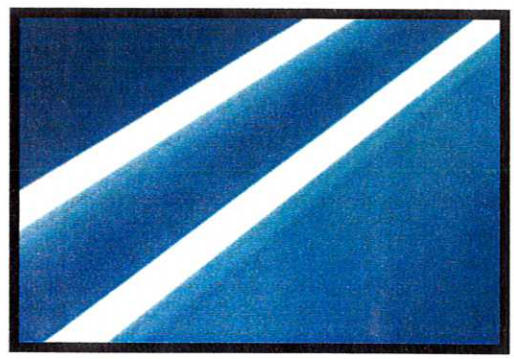
Save hundreds of dollars in service calls for lamp replacements. Three fewer service calls at $125 each for replacements equals a savings of $375 per sign.

HEAVY-DUTY T8 LAMP SOCKETS

Specially designed for the sign industry, the T8 Reliant lamp sockets are interchangeable with T12 standard sockets for easy retrofitting of existing signs.

UNIQUE SIGN LENGTH LAMPS

The T8 Reliant lamps come in the same length as standard T12 HO, making it easy to retrofit T12 applications.



PATENTED LIGHT DIFFUSION

The T8 Reliant lamp features light diffusion in the outer tube for closer spacing of lamps to the face without hot spots. Fewer T8 lamps required due to spacing on 18" centers compared to 12" centers for T12 lamps. Cabinet depth can be reduced by 2".

COLD CLIMATE CHARACTERISTICS

Patented Cold Climate CC products assure starting and superior light output at temperatures as low as -30° C (20° F).

HIGH-ENERGY EFFICIENT T8 DESIGN

Uses up to 30% less energy than T12 HO lamps, providing a payback on energy efficiency in about one year.



ENVIRONMENTALLY FRIENDLY

Up to 90% less mercury to depose of during product life cycle. Uses 1/3 less mercury per lamp with 4 times longer life using 1/3 fewer lamps.

TRUE COLOR RENDERING

Excellant color rendering index of 80-85 CRI.

T8 Reliant®

Fluorescent T8 Lamps

Long Life



T8 Reliant Fluorescent Lamps - 4500K White Plus CRI - 85		
Catalog #	Description	Watts
*F24 T8 - LL / WP	24" T8 Fluorescent Lamp Long Life White Plus	18
F36 T8 - LL / WP	36" T8 Fluorescent Lamp Long Life White Plus	24
F48 T8 - LL / WP	48" T8 Fluorescent Lamp Long Life White Plus	32
F60 T8 - LL / WP	60" T8 Fluorescent Lamp Long Life White Plus	40
F72 T8 - LL / WP	72" T8 Fluorescent Lamp Long Life White Plus	48
F84 T8 - LL / WP	84" T8 Fluorescent Lamp Long Life White Plus	56
F96 T8 - LL / WP	96" T8 Fluorescent Lamp Long Life White Plus	64

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

T8 Reliant Fluorescent Lamps - 6500K Daylight CRI - 85		
Catalog #	Description	Watts
* F24 T8 - LL / DL	24" T8 Fluorescent Lamp Long Life Daylight	18
F36 T8 - LL / DL	36" T8 Fluorescent Lamp Long Life Daylight	24
F48 T8 - LL / DL	48" T8 Fluorescent Lamp Long Life Daylight	32
F60 T8 - LL / DL	60" T8 Fluorescent Lamp Long Life Daylight	40
F72 T8 - LL / DL	72" T8 Fluorescent Lamp Long Life Daylight	48
F84 T8 - LL / DL	84" T8 Fluorescent Lamp Long Life Daylight	56
F96 T8 - LL / DL	96" T8 Fluorescent Lamp Long Life Daylight	64

Cold Climate

T8 Reliant Fluorescent Lamps - 4500K White Plus CRI - 85		
Catalog #	Description	Watts
*F24 T8 - CC / WP	24" T8 Fluorescent Lamp Cold Climate White Plus Non-Diffused	18
F36 T8 - CC / WP	36" T8 Fluorescent Lamp Cold Climate White Plus Non-Diffused	24
F48 T8 - CC / WP	48" T8 Fluorescent Lamp Cold Climate White Plus Non-Diffused	32
F60 T8 - CC / WP	60" T8 Fluorescent Lamp Cold Climate White Plus Non-Diffused	40
*F24 T8 - CC DA/WP	24" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type A White Plus	18
F36 T8 - CC DA/WP	36" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type A White Plus	24
F48 T8 - CC DA/WP	48" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type A White Plus	32
F60 T8 - CC DA/WP	60" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type A White Plus	40
*F24 T8 - CC DB/WP	24" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type B White Plus	18
F36 T8 - CC DB/WP	36" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type B White Plus	24
F48 T8 - CC DB/WP	48" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type B White Plus	32
F60 T8 - CC DB/WP	60" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type B White Plus	40

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





T8 Reliant Fluorescent Lamps - 6500K Daylight CRI - 85		
Catalog #	Description	Watts
*F24 T8 - CC / DL	24" T8 Fluorescent Lamp Cold Climate Daylight Non-Diffused	18
F36 T8 - CC / DL	36" T8 Fluorescent Lamp Cold Climate Daylight Non-Diffused	24
F48 T8 - CC / DL	48" T8 Fluorescent Lamp Cold Climate Daylight Non-Diffused	32
F60 T8 - CC / DL	60" T8 Fluorescent Lamp Cold Climate Daylight Non-Diffused	40
*F24 T8 - CC DA/DL	24" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type A Daylight	18
F36 T8 - CC DA/DL	36" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type A Daylight	24
F48 T8 - CC DA/DL	48" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type A Daylight	32
F60 T8 - CC DA/DL	60" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type A Daylight	40
*F24 T8 - CC DB/DL	24" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type B Daylight	18
F36 T8 - CC DB/DL	36" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type B Daylight	24
F48 T8 - CC DB/DL	48" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type B Daylight	32
F60 T8 - CC DB/DL	60" T8 Fluorescent Lamp Cold Climate Dual Diffusion Type B Daylight	40

FRANCE The Power and the Light

Electronic Ballasts

EB25A-120/277V
1 or 2, 3-ft to 5-ft lamps
Range: 3' to 10'
120V or 277V

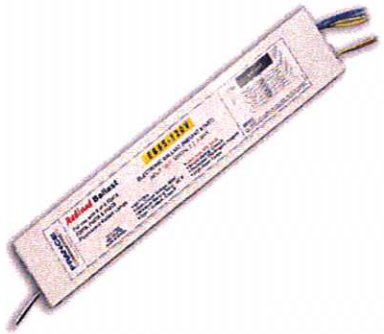
EB45-120V
EB45-277V
3 or 4, 2-ft to 5-ft lamps
Range: 6' to 20'

EB65-120V
EB65-277V
5 or 6, 2-ft to 5-ft lamps
Range: 10' to 30'

EBR828-120V-ISM
EBR828-277V-ISM
1 or 2, 6-ft to 8-ft lamps
Range: 6' to 16'

EBR848-120V-ISM
EBR848-277V-ISM
3 or 4, 6-ft to 8-ft lamps
Range: 18' to 32'

EBR868-120V-ISM
EBR868-277V-ISM
5 or 6, 6-ft to 8-ft lamps
Range: 30' to 48'



T8 Lamp Sockets

Heavy Duty construction
Rated 1000V/660W
Specially designed for the sign industry
Interchangable with T12 standard sockets
Available in Bullseye & Marker style
Sold individually



Patent Pending

Available Through:

FRANCE
a Scott Fetzer company

2268 Fairview Blvd.
P.O. Box 300
Fairview, TN 37062
800-753-2753
email: france@franceformer.com
website: www.franceformer.com

FRANCE

Reliant Lighting System

For 6, 7, and 8-Foot T8 Lamp, Ballast, and Lampholder data, click HERE.

- **6, 7, and 8-Foot T8 Lamp Ballast layout drawings may be found HERE.**

2, 3, 4 and 5-Foot T8 Lamp, Ballast, and Lampholder data, see below:

Ballasts

T8 Ballasts					
INPUT PARAMETERS	(2-LAMP) EB25-120/277V	(4-LAMP) EB45-120V	(4-LAMP) EB45-277V	(6-LAMP) EB65-120V	(6-LAMP) EB65-277V
Nominal line voltage rating	120 - 277	120	277	120	277
Line voltage operating range	108 - 305	108 - 132	249 - 305	108 - 132	249 - 305
Maximum input current	.90 A	1.50A	.65 A	2.60 A	1.20 A
Power factor	>90%	>90%	>90%	>90%	>90%
Total harmonic distortion	<10%	<10%	<10%	<10%	<10%
EMI requirements	FCC CFR Part 18 for RF Lighting Device. Non-consumer equipment	FCC CFR Part 18 for RF Lighting Device. Non-consumer equipment	FCC CFR Part 18 for RF Lighting Device. Non-consumer equipment	FCC CFR Part 18 for RF Lighting Device. Non-consumer equipment	FCC CFR Part 18 for RF Lighting Device. Non-consumer equipment
Electrical efficiency (at full load)	>90%	>90%	>90%	>90%	>90%
OUTPUT PARAMETERS					
RMS open circuit voltage	Less than 1000 volts	Less than 1000 volts	Less than 1000 volts	Less than 1000 volts	Less than 1000 volts
Voltage to ground	Greater than 600 volts	Greater than 600 volts	Greater than 600 volts	Greater than 600 volts	Greater than 600 volts
Minimum/Maximum lamp load	3 - 10 ft (e.g. 1 or 2 lamps)	6 - 20 ft (e.g. 3 or 4 lamps)	6 - 20 ft (e.g. 3 or 4 lamps)	10 - 30 ft (e.g. 5 or 6 lamps)	10 - 30 ft (e.g. 5 or 6 lamps)
Lamps configuration	Parallel	Parallel	Parallel	Parallel	Parallel
Min. lamp length on any one output	3 ft	2 ft	2 ft	2 ft	2 ft
Max. lamp length of any one output	5 ft	5 ft	5 ft	5 ft	5 ft
Low temperature starting	-20°F (-29°C)	-20°F (-29°C)	-20°F (-29°C)	-20°F (-29°C)	-20°F (-29°C)
Externally dimmable	No	No	No	No	No
Height	1.2 in	1.800 in	1.800 in	1.800 in	1.800 in
Width	1.625 in	2.625 in	2.625 in	2.625 in	2.625 in
Length	9.438 in	10.20 in	10.20 in	14.250 in	14.250 in
Weight	1.50 lb	3.30 lb	3.30 lb	5.05 lb	5.05 lb
Enclosure material	Painted steel, white	Painted steel, white	Painted steel, white	Painted steel, white	Painted steel, white
Input leads	1 black, 1 white, each 2 ft long	1 black, 1 white, each 2 ft long	1 black, 1 white, each 2 ft long	1 black, 1 white, each 2 ft long	1 black, 1 white, each 2 ft long
Output leads	1 red common, 2 corresponding blue, each AWG 18 solid, 8 feet out of case	2 blue, 2 red with two yellow commons, each AWG 18 solid, 10 feet out of case	2 blue, 2 red with two yellow commons, each AWG 18 solid, 10 feet out of case	3 blue with corresponding yellow common, 3 red with corresponding yellow/black common, each AWG 18 solid, 12 feet out of case	3 blue with corresponding yellow common, 3 red with corresponding yellow/black common, each AWG 18 solid, 12 feet out of case
Agency certifications	cULus	cULus	cULus	cULus	cULus
Operating temperature range	-30° to 65°C	-30° to 65°C	-30° to 65°C	-30° to 65°C	-30° to 65°C
Storage temperature	-30° to 85°C	-30° to 85°C	-30° to 85°C	-30° to 85°C	-30° to 85°C
Warranty	France warrants the T8 Reliant ballasts to be free from defects in manufacturing and workmanship for a period of four years from the date of manufacture. When used with Westrim T8 lamp holders, France warrants the product for five (5) years.				

T8 Reliant Ballast Footage Chart																						
No. Lamps	Lamp Footage																					
	2	3	4	5	6	8	9	10	12	14	15	16	18	20	21	22	24	25	26	27	28	30
1		EB25																				
2			EB25																			
3					EB45																	
4						EB45																
5								EB65														
6									EB65													

Lamps

Long Life T8 Lamps		
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
T8 Reliant Fluorescent Lamps - 4000K 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
*F24 T8 Lamps are 1 3/8" longer than sign length T12 HO Lamps. All other Lamps use sign length spacings.		

Cold Climate T8 Lamps		
T8 Reliant Fluorescent Lamps - 4000K 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
*F24 T8 Lamps are 1 3/8" longer than sign length T12 HO Lamps. All other Lamps use sign length spacings.		
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.		

FRANCE T8 Reliant Lamps, Ballasts and Lampholders

Part No.	Catalog #	Description			
	T8 Reliant Fluorescent Lamps - 4500K White Plus CRI- 85				
78400	F24 T8 - LL / WP	24" T8 Fluorescent lamp	Long Life	White Plus	
78401	F36 T8 - LL / WP	36" T8 Fluorescent lamp	Long Life	White Plus	
78402	F48 T8 - LL / WP	48" T8 Fluorescent lamp	Long Life	White Plus	
78403	F60 T8 - LL / WP	60" T8 Fluorescent lamp	Long Life	White Plus	
78440	F72 T8 - LL / WP	72" T8 Fluorescent lamp	Long Life	White Plus	
78441	F84 T8 - LL / WP	84" T8 Fluorescent lamp	Long Life	White Plus	
78442	F96 T8 - LL / WP	96" T8 Fluorescent lamp	Long Life	White Plus	
78408	F24 T8 - CC / WP	24" T8 Fluorescent lamp	Cold Climate	White Plus	
78409	F36 T8 - CC / WP	36" T8 Fluorescent lamp	Cold Climate	White Plus	
78410	F48 T8 - CC / WP	48" T8 Fluorescent lamp	Cold Climate	White Plus	
78411	F60 T8 - CC / WP	60" T8 Fluorescent lamp	Cold Climate	White Plus	
78412	F24 T8 - CC DA / WP	24" T8 Fluorescent lamp	Cold Climate	Dual diffusion	Type A White Plus
78413	F36 T8 - CC DA / WP	36" T8 Fluorescent lamp	Cold Climate	Dual diffusion	Type A White Plus
78414	F48 T8 - CC DA / WP	48" T8 Fluorescent lamp	Cold Climate	Dual diffusion	Type A White Plus
78415	F60 T8 - CC DA / WP	60" T8 Fluorescent lamp	Cold Climate	Dual diffusion	Type A White Plus
78416	F24 T8 - CC DB / WP	24" T8 Fluorescent lamp	Cold Climate	Dual diffusion	Type B White Plus
78417	F36 T8 - CC DB / WP	36" T8 Fluorescent lamp	Cold Climate	Dual diffusion	Type B White Plus
78418	F48 T8 - CC DB / WP	48" T8 Fluorescent lamp	Cold Climate	Dual diffusion	Type B White Plus
78419	F60 T8 - CC DB / WP	60" T8 Fluorescent lamp	Cold Climate	Dual diffusion	Type B White Plus
	T8 Reliant Fluorescent Lamps - 6500K Daylight CRI- 85				
78404	F24 T8 - LL / DL	24" T8 Fluorescent lamp	Long Life	Daylight	
78405	F36 T8 - LL / DL	36" T8 Fluorescent lamp	Long Life	Daylight	
78406	F48 T8 - LL / DL	48" T8 Fluorescent lamp	Long Life	Daylight	
78407	F60 T8 - LL / DL	60" T8 Fluorescent lamp	Long Life	Daylight	
78443	F72 T8 - LL / DL	72" T8 Fluorescent lamp	Long Life	Daylight	
78444	F84 T8 - LL / DL	84" T8 Fluorescent lamp	Long Life	Daylight	
78445	F96 T8 - LL / DL	96" T8 Fluorescent lamp	Long Life	Daylight	
78424	F24 T8 - CC / DL	24" T8 Fluorescent lamp	Cold Climate	Daylight	
78425	F36 T8 - CC / DL	36" T8 Fluorescent lamp	Cold Climate	Daylight	
78426	F48 T8 - CC / DL	48" T8 Fluorescent lamp	Cold Climate	Daylight	
78427	F60 T8 - CC / DL	60" T8 Fluorescent lamp	Cold Climate	Daylight	
78428	F24 T8 - CC DA / DL	24" T8 Fluorescent lamp	Cold Climate	Dual diffusion	Type A Daylight
78429	F36 T8 - CC DA / DL	36" T8 Fluorescent lamp	Cold Climate	Dual diffusion	Type A Daylight
78430	F48 T8 - CC DA / DL	48" T8 Fluorescent lamp	Cold Climate	Dual diffusion	Type A Daylight
78431	F60 T8 - CC DA / DL	60" T8 Fluorescent lamp	Cold Climate	Dual diffusion	Type A Daylight
78432	F24 T8 - CC DB / DL	24" T8 Fluorescent lamp	Cold Climate	Dual diffusion	Type B Daylight
78433	F36 T8 - CC DB / DL	36" T8 Fluorescent lamp	Cold Climate	Dual diffusion	Type B Daylight
78434	F48 T8 - CC DB / DL	48" T8 Fluorescent lamp	Cold Climate	Dual diffusion	Type B Daylight
78435	F60 T8 - CC DB / DL	60" T8 Fluorescent lamp	Cold Climate	Dual diffusion	Type B Daylight
	T8 Reliant Ballasts				
18272	EB - 25	1 or 2 Lamp Electronic Ballast	Range:	2' to 10'	120/277 volts
18273	EB - 45	3 or 4 Lamp Electronic Ballast	Range:	6' to 20'	120 volts
18277	EB -45 **277 Volt**	3 or 4 Lamp Electronic Ballast	Range:	6' to 20'	277 volts
18274	EB - 65	5 or 6 Lamp Electronic Ballast	Range:	10' to 30'	120 volts
18278	EB - 65 **277 Volt**	5 or 6 Lamp Electronic Ballast	Range:	10' to 30'	277 volts
18310	EBR828-120V-IS	1 or 2 Lamp Electronic Ballast	Range:	6' to 16'	120 volts
18311	EB -28 **277 Volt**	1 or 2 Lamp Electronic Ballast	Range:	6' to 16'	277 volts
18312	EBR848-120V-IS	3 or 4 Lamp Electronic Ballast	Range:	18' to 32'	120 volts
18313	EB -48 **277 Volt**	3 or 4 Lamp Electronic Ballast	Range:	18' to 32'	277 volts
18314	EBR868-120V-IS	5 or 6 Lamp Electronic Ballast	Range:	30' to 48'	120 volts
18315	EB -68 **277 Volt**	5 or 6 Lamp Electronic Ballast	Range:	30' to 48'	277 volts
	T8 Reliant Lampholders - 1000 V Rated (250 PER BOX)				
38184	WP-LH 82 BP	Heavy Duty T8 Lampholder	*Bullseye* Style - Fixed		
38185	WP-LH 83 BP	Heavy Duty T8 Lampholder	*Bullseye* Style - Spring		
38186	WP-LH 30-1 BP	Heavy Duty T8 Lampholder	*Marker* Style - Spring		
38187	WP-LH 30-2 BP	Heavy Duty T8 Lampholder	*Marker* Style - Fixed		
78399	T8 Sample Lamp Pack	10 Lamp Sample Pack			

9/2007 ballast part numbers began changing from EB## to EBR8##-###V-IS. The break down is as follows for example EBR828-120V-IS translates **E**lectronic **B**allast **R**ELIANT **T8 2 8** foot lamps **120** volts **I**nstant **S**tart

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.

FRANCE

a Scott Fetzer company

Reliant T8 Lamp Lengths

	LL/DL	Face to face A	Pin to face B	Pin to pin C	Dia. D
78404	F24T8	22.5	22.8	23.1	1.010
78405	F36T8	33.2	33.5	33.8	1.010
78406	F48T8	45.2	45.5	45.8	1.010
78407	F60T8	57.2	57.5	57.8	1.010
78443	F72T8	69.2	69.5	69.8	1.010
78444	F84T8	81.2	81.5	81.8	1.010
78445	F96T8	93.2	93.5	93.8	1.010

LL/WP

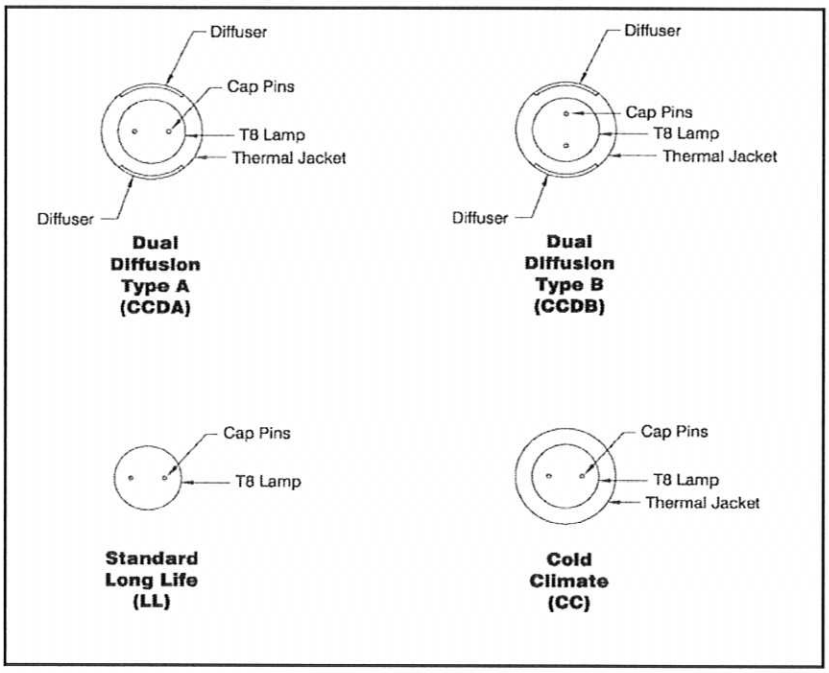
78408	F24T8	22.5	22.8	23.1	1.010
78409	F36T8	33.2	33.5	33.8	1.010
78410	F48T8	45.2	45.5	45.8	1.010
78411	F60T8	57.2	57.5	57.8	1.010
78440	F72T8	69.2	69.5	69.8	1.010
78441	F84T8	81.2	81.5	81.8	1.010
78442	F96T8	93.2	93.5	93.8	1.010

France T8 Reliant Lighting System

Ballast Footage Chart

	Lamp Footage																					
	2	3	4	5	6	8	9	10	12	14	15	16	18	20	21	22	24	25	26	27	28	30
No. Lamps																						
1	EB25																					
2			EB25																			
3					EB45																	
4						EB45																
5								EB65														
6									EB65													

Lamp Pin Configurations



Lampholder Configurations

