



## FPDL Series

### Fluorescent Emergency Lighting Ballasts

TYPE: \_\_\_\_\_  
 CATALOG #: \_\_\_\_\_  
 NOTES: \_\_\_\_\_

#### Six models meet different application requirements:

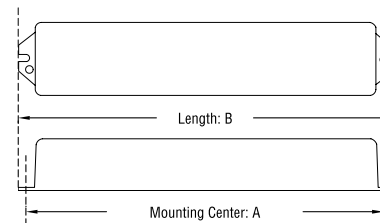
- **FPDL-32** 500 lumens emergency ballast operates with most 2'-4' T8 linear fluorescent lamps and also with 28W T5 lamps
- **FPDL/U** 1400 lumens emergency ballast operates with most 2'-4' T8 and T5 linear fluorescent lamps and also with most 4-pin compact fluorescent lamps
- **FPDL13-42-N** 650 lumens emergency ballast operates with most 13-42W 4-pin quad and triple tube fluorescent lamps with one or two lamps (max. 18W)
- **FPDL-28** 700 lumens emergency ballast operates with most 2'-4' T8 and T5 linear fluorescent lamps
- **FPDL-10-26** 650 lumens emergency ballast operates with most 10-26W 2-pin compact fluorescent lamps
- **FPDL-HL-N** is a high-output emergency ballast capable of producing up to 3000 lumens

#### Features

- Compatible with standard, energy-saving, dimming and electronic AC ballasts
- Can be wired to operate with switched, un-switched or normally-off fixtures without affecting normal operation
- Sealed, maintenance-free Nickel-Cadmium batteries
- Upon failure of AC power, the FPD-32 and FPD10-26 models automatically switch to emergency mode, maintaining illumination of one lamp within the fixture. FPD/U, FPD13-42-N, FPD-28 and FPD-HL-N units will maintain operation of one or two lamps when switched to the emergency mode
- When AC power is restored, the FPD Series automatically returns the fluorescent lamps to normal operating mode and the solid state charger begins recharging the battery
- Self-contained in one compact housing for easy installation and maximum mounting flexibility
- UL Listed for damp locations to Standard 924; complies with NEC, Life Safety Code and OSHA, and field installation
- 3-year full warranty
- Each unit is fully computer tested


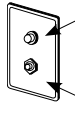
#### Dimensions

Dimensions are approximate and subject to change.



Cabinet Size	Dimensions			
	a	b	c	d
FPDL-32	9-1/2"	10-1/8"	1-1/8"	2-1/8"
FPDL/U	13-3/4"	14-1/4"	1-1/8"	2-1/8"
FPDL13-42-N	8-7/8"	9-3/8"	1-1/4"	2-3/8"
FPDL-28	13-3/4"	14-1/4"	1-1/8"	2-1/8"
FPDL10-26	8-7/8"	9-3/8"	1-1/2"	2-3/8"
FPDL-HL-N	15-3/4"	16-1/4"	1-3/4"	5-1/2"

#### Accessories (order as a separate item)

DESCRIPTION	PART NUMBER
<b>External mounting kit</b> includes wire bundle cover for external mounting (not needed for FPD13-42-N, FPD10-26 and FPD-HL-N)	<b>EC6</b> 
<b>Remote test switch</b> comes with single gang plastic mounting plate (included in FPD13-42-N and FPD10-26)	<b>RTS-1</b>  Charging Indicator Light Push Button Test Switch

#### How to Order

SERIES	
FPDL-32	FPDL-28
FPDL-U	FPDL10-26
FPDL13-42-N	FPDL-HL-N

Example: FPD-32

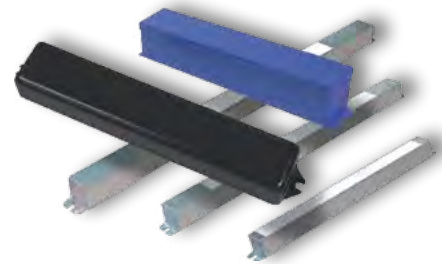
#### Power Consumption

Series	Lamp Operated in Emergency Mode*	Emergency Illumination Time	Lumens
FPDL-32	1 lamp 2'-4' (20W-40W)	90 minutes	500
FPDL/U	1 lamp 2'-8' (20W-60W) or 2 lamps 2'-4' (20W-32W)	90 minutes	1400
FPDL13-42-N	1 compact 4-pin (13W-42W) or 2 compact 4-pin (13W-18W)	90 minutes	650
FPDL-28	1 lamp 2'-4' (20W-54W) or 2 lamps 2'-4' (20W-32W)	90 minutes	700
FPDL10-26	1 compact 2-pin (10W-26W)	90 minutes	650
FPDL-HL-N	- 1 lamp 2'-8' or - 2 lamps 2'-4' or - 1 compact 4-pin (18W-70W) or - 2 compact 4-pin (18W-32W)	90 minutes	3000

TYPE: \_\_\_\_\_  
 CATALOG #: \_\_\_\_\_  
 NOTES: \_\_\_\_\_



## FPS Series Fluorescent Emergency Lighting Ballasts



### Seven models are offered to satisfy different applications requirements and lumen output:

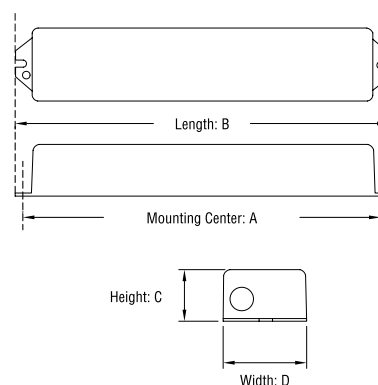
- **FPS-500 and FPS-825** operate with most 2'-4' T5 or T8 PL lamps. The FPS-825 also operates HO and 4 pin long compact fluorescent lamps from 40 through 55 watts.
- **FPS-540** operates T5 or T8 lamps, including HO and 4-pin long compact fluorescent lamps of 40-55 watts, with an initial output of up to 1300 lumens. Testing the FPS-540 is made easy with a one-piece indicator and test switch.

### Features

- FPS-80 is offered with Nexus® wired and wireless monitoring system which includes Nexus® fluorescent emergency ballast as well as Nexus® (wired or wireless) communication module
- Compatible with standard, energy-saving, dimming and electronic AC ballasts
- Can be wired to operate with switched, un-switched or normally-off fixtures without affecting normal operation
- Sealed, maintenance-free Nickel-Cadmium batteries
- Upon failure of AC power, the FPS-500, FPS-825 and FPS-540 models automatically switch to emergency mode, maintaining illumination of one lamp within the fixture. FPS-80 units will maintain operation of one or two lamps when switched to the emergency mode
- When AC power is restored, the FPS Series automatically returns the fluorescent lamps to normal operating mode and the solid state charger begins recharging the battery
- Self-contained in one compact housing for easy installation and maximum mounting flexibility
- UL Listed to Standard 924; complies with NEC, Life Safety Code and OSHA
- 3-year full warranty
- Each unit is fully computer tested

### Dimensions

Dimensions are approximate and subject to change.



Cabinet Size	Dimensions			
	A	B	C	D
FPS-500	13-3/4"	14-1/4"	1-3/16"	1-3/16"
FPS-825	17"	17-1/2"	13/16"	1-3/16"
FPS-540	12-1/2"	13-1/8"	11/2"	2-1/4"
FPS-80D	12-3/4"	12-3/4"	11/2"	2-3/8"
FPS-80NEXUS-N	12-3/4"	12-3/4"	11/2"	2-3/8"

### Accessories (order as a separate item)

DESCRIPTION	PART NUMBER
<b>External mounting kit</b> includes wire bundle cover for external mounting	-R
Damp Location listing	-DL
<b>Remote test switch</b> includes single gang chrome finished mounting plate	RTS-1
<b>Test switch kit</b> for fluorescent	-TBTS
<b>Test switch kit</b> for FPS80D/Nexus®	LPTS

### How to Order

SERIES	OPTION SUFFIX
FPS-500 FPS-825 FPS-540 FPS-80D	External Mounting Kit
FPS-80NEX-N* FPS-80NEXRF-N*	

\* Including Nexus® communication module

Example: **FPS-80D**

### Power Consumption

Series	Lamp Operated in Emergency Mode*	Emergency Illumination Time	Lumens	Wire End Caps
FPS-500	1 lamp 2'-4'	90 minutes	500	Optional, order #EC54
FPS-825	1 lamp 2'-4'	90 minutes	825	Optional, order #EC54
FPS-540	1 lamp 2'-4' (40W-50W) Most 2'-4' T5 or T8 and 40-55W 4 pin compact fluorescent	90 minutes	1300	Not required
FPS-80D	Most 2' - 4' single, bi-pin T8 & T12HO and VHO, including long compacts and 2' - 4' 14W to 54W T5 lamps	90 minutes	1100	Not required
FPS-80NEX-N FPS-80NEXRF-N	Most 2' - 4' single, bi-pin T8 & T12HO and VHO, including long compacts and 2' - 4' 14W to 54W T5 lamps	90 minutes	1100	Not required

TYPE: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

NOTES: \_\_\_\_\_



## FPS-R & FPS-T Series

### Fluorescent Emergency Packs

#### Features

- All-metal construction with off white baked enamel finish and 3" pre-wired fixture whip
- Sealed, maintenance-free Nickel-Cadmium, Long Life Lead, or Lead-Calcium batteries
- During normal operation, when the AC line voltage is present, the fixture will fully illuminate by means of the regular ballast. While supplied with AC, the emergency ballast transforms AC into a low DC voltage to recharge the battery and maintain it fully charged
- When the AC fails, a solid state voltage sensor instantly turns on a high frequency inverter which supplies one or two lamps in the fixture for a minimum of 90 minutes. Only FPS-T can run 2 lamps in a 2 or 4 lamp fixture.
- At the end of the rated time a low voltage sensor disconnects the battery to prevent over-discharging
- When the AC returns, the inverter switches off and the battery begins to recharge
- Charger circuitry offers 120/277VAC, 60 Hz., 0.3/0.15A (other inputs available), fused output circuit(s), dual diagnostic indicator lights, temperature compensation, sealed relay, low voltage battery disconnect, brownout protection and lockout (automatic battery connect).
- 3-year full warranty
- Each unit is fully computer tested

#### Accessories (order as a separate item)

DESCRIPTION	PART NUMBER
<b>Remote test switch</b> Available for installation where routine testing via the units standard integral test switch would be difficult due to either fixture location or inaccessibility. This option consists of a push button test switch and pilot light, mounted on a single gang switch plate plastic white	RTS-1
<b>Test switch and charging indicator</b> on a single gang chrome mounting plate	RTS

#### Cabinets

DESCRIPTION
<b>Remote:</b> (external) mounts on top or beside fixture. #18 gauge steel, finish white baked enamel finish and pre-wired 3" flexible conduit fixture whip.
<b>T-Bar:</b> mounts in T-Bar struts beside fixture. #18 Gauge steel, finish white baked enamel finish and mounting eyes for fixture suspension and a pre-wired 3" flexible conduit fixture whip.
<b>Servicing:</b> Backplate lifts off for full access to battery and input/output wires.

#### How to Order

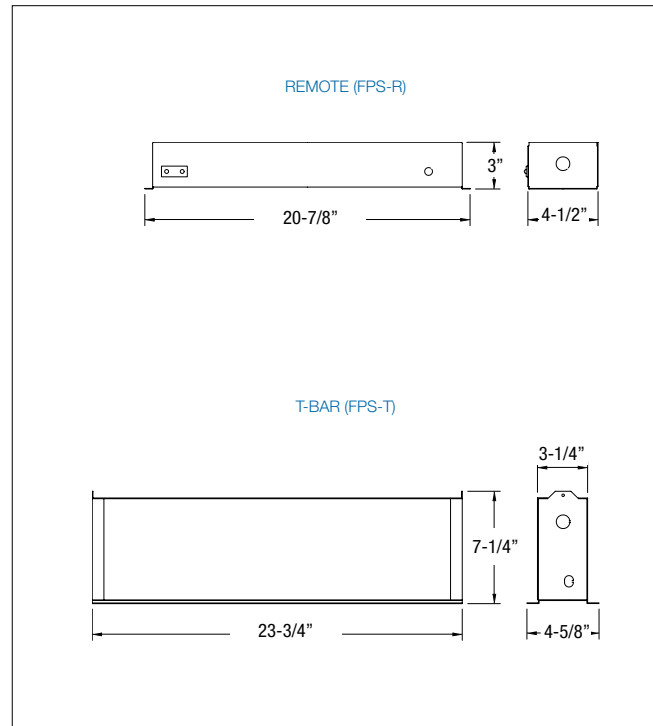
SERIES	CABINET TYPE	LUMENS	BATTERY TYPE	# OF LAMPS
FPS= Fluorescent series	-R= Remote -T= T-Bar	-720= 720 lumens -1800= 1800 lumens	-C= Ni-Cd -E= Long life lead -M= Lead-Calcium	-1= One lamp -2= 2 lamps*

\* Only available with FPS-T

Example: FPS-T-720-M-1

#### Dimensions

Dimensions are approximate and subject to change.



#### Unit Rating

REMOTE MOUNTED (FPS-R)				
Series	Lumens	Battery Suffix	Sealed Maintenance-Free Battery Types	Number of lamps
FPS-R	720	C	Nickel-Cadmium	1
FPS-R	720	E	Long Life Lead	1
FPS-R	720	M	Lead-Calcium	1
FPS-R	1800	C	Nickel-Cadmium	1
FPS-R	1800	E	Long Life Lead	1
FPS-R	1800	M	Lead-Calcium	1
T-BAR MOUNTED (FPS-T)				
FPS-T	720	C	Nickel-Cadmium	1
FPS-T	720	E	Long Life Lead	1
FPS-T	720	M	Lead-Calcium	1
FPS-T	1800	C	Nickel-Cadmium	1
FPS-T	1800	E	Long Life Lead	1
FPS-T	1800	M	Lead-Calcium	1
FPS-T	720	C	Nickel-Cadmium	2
FPS-T	720	E	Long Life Lead	2
FPS-T	720	M	Lead-Calcium	2
FPS-T	1800	C	Nickel-Cadmium	2
FPS-T	1800	E	Long Life Lead	2
FPS-T	1800	M	Lead-Calcium	2

TYPE: \_\_\_\_\_  
 CATALOG #: \_\_\_\_\_  
 NOTES: \_\_\_\_\_



# FTS Series

## Emergency Transfer Switch for Generator Supplies



### Features

- Compatible with standard, energy-saving, dimming and electronic AC ballasts
- UL Listed
- Will cold start and operate all specified lamps
- Galvanized steel case
- Dual Voltage 120/277V 60hz
- Available in flex or non-flex configuration
- Meets or exceeds all National Electrical Code and Life Safety Code Emergency Lighting Requirements
- 5-Year Warranty. See Warranty page for details.

### Advantages

- Full light output
- Allows auxiliary generator power on a switched fixture.

### Lamps Operated

Will operate any lamp in the designated circuit for the duration of the generator supply

### Technical Specifications

**Input Voltage** ..... (Dual) 120/277V, 60Hz  
**Input Current** ..... 250 mA

#### Maximum Switching Voltage:

- 3A @ 120V
- 3A @ 277V Circuit Protection
- 3A on Control Input
- 3A on Neutral and 120/277V Outputs

#### Emergency Operation

The FTS will operate any lamp type in the designated fixture for the duration of the generator supply

#### Initial Illumination

The FTS will operate the designated lamp at full light output

**Weight** ..... 1.0 lbs.

**Approval** ..... UL Listed

### Options

#### Configuration

- FTS (no flex)
- FTS-R (w/ flex)

### How to Order

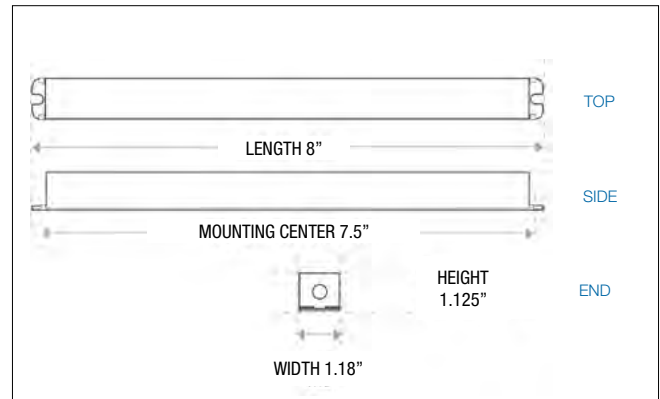
SERIES	CABINET TYPE	LUMENS	BATTERY TYPE	# OF LAMPS
FTS= Fluorescent series	-R= Remote -T= T-Bar	-720= 720 lumens -1800= 1800 lumens	-C= Ni-Cd -E= Long life lead -M= Lead-Calcium	-1= One lamp -2= 2 lamps*

\* Only available with FPS-T

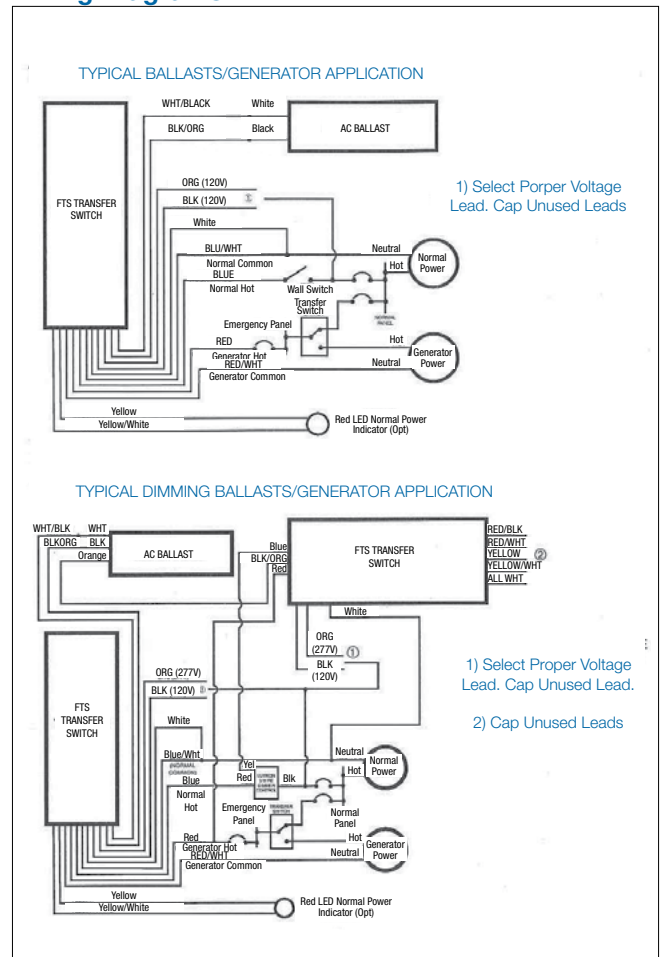
Example: FPS-T-720-M-1

### Dimensions

Dimensions are approximate and subject to change.



### Wiring Diagrams

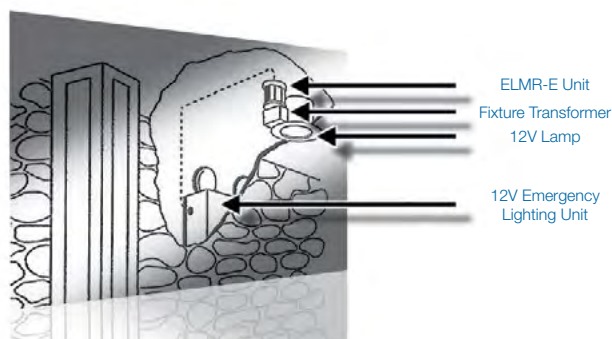
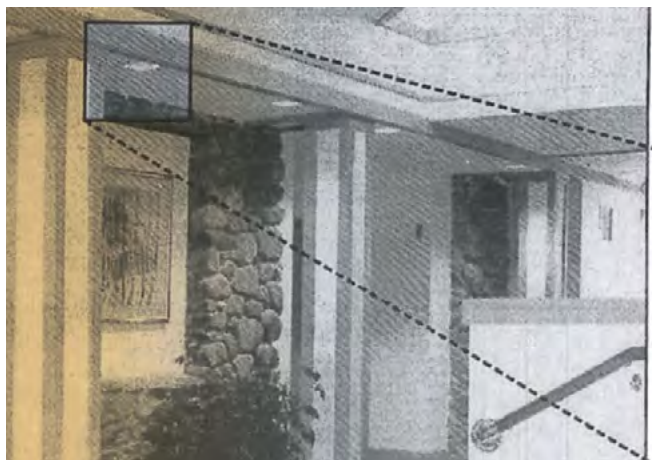




## ELMR-E Interface Module Series

Enables Normally-On Low Voltage (12V) Lamps  
To be Used as Emergency Lighting

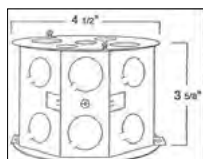
TYPE:	_____
CATALOG #:	_____
NOTES:	_____



Application: To maintain the integrity of lighting decor, **Emergi-Lite®** offers an interface module, “**ELMR-E**”; which is designed to be incorporated with MR16, PAR36, R12, or R14 low voltage lighting fixtures that are being used as both normal lighting fixtures, and as emergency lighting fixtures.

These dual-function fixtures are used in a variety of accent applications, especially in retail store lighting.

### Module Information



The **Emergi-Lite®** “**ELMR-E**” interface module consists of a relay transfer panel enclosed in an octagonal electrical box which measures 4-1/2 inches in diameter by 3-5/8 inches deep. The module is designed to operate 12 volt lamps up to a total of 200 watts. A remotely located **Emergi-Lite®** 12 volt emergency lighting unit, in conjunction with the “**ELMR-E**”, supplies 12 volt during an emergency situation regardless if the fixture is switched on or off.

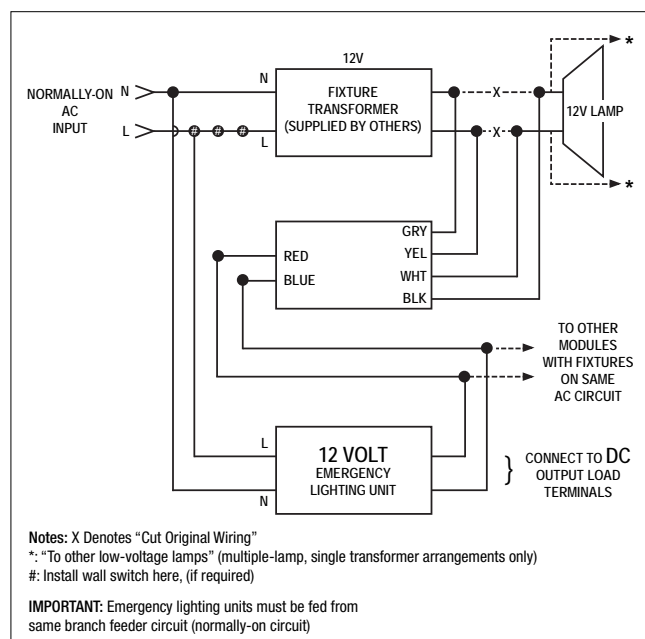
### Installation

The “**ELMR-E**” interface module is provided with a 1/2 inch threaded conduit nipple for fast, easy, field installation and mounts directly to the step-down transformer junction box of the low voltage lighting fixture. For applications requiring remote mounting, not only is a fixture “stud plate” is provided, as well as two mounting tabs with 3/16 inch diameter holes on 4-9/16 inch centers. Electrical connection is made by splicing to the secondary winding of the step-down transformer and connecting it and the remote feed from the 12 volt battery pack to the “**ELMR-E**” module. One “**ELMR-E**” is required for each fixture that contains an internally mounted step-down transformer. However, if several low-voltage lamps are assigned to a single, centrally-located step-down transformer, only one “**ELMR-E**” is needed to operate all lamp fixtures, up to 200W.

### Operation

In the event of a power failure the 12 volt **Emergi-Lite®** battery unit would supply the “**ELMR-E**” module with 12 volt DC power. The “**ELMR-E**” module would then transfer the lighting fixture from its normal 12 volt AC source (transformer) to the 12 volt DC battery power. Upon restoration of the normal AC power supply, the module will transfer the lighting fixture back to its normal operating mode.

Note: Remote battery pack must have sufficient capacity to support the connected load for a minimum of 90 minutes.



Consult **Emergi-Lite®**’s technical data section for wire run length and wire size requirements. Emergency lighting unit must be capable of supplying total wattage lamp loads for a minimum of 90 minutes. Applications may require longer time durations. Consult NFPA Life Safety Code and National Electric Code and National Electric Code Article 700 with regard to standard engineering practices. Local codes may vary.

TYPE: \_\_\_\_\_  
 CATALOG #: \_\_\_\_\_  
 NOTES: \_\_\_\_\_

# Emergency Ballast Series

## Reference Chart

EMERGI-LITE® MODEL #	FPDL-32	FPDL/U	FPDL13-42	FPDL-28	FPDL10-26	FPDL-HL	FPS500	FPS80D	FPS825	FPS540
Lumens	500	1400	650	700	650	3000	500	1300	825	1300
LAMP TYPE (# OF LAMPS)	LINEAR LAMPS									
2'-4' Rapid, Instant, Energy Saving, T8 thru T12 (1)	X	X		X		X	X	X	X	X
2'-4' Rapid, Instant, Energy Saving, T8 thru T12, HO & VHO (2)		X		X		X		X		
2'-8' Rapid, Instant, Energy Saving, T8 thru T12, HO & VHO (1)		X				X		X		
F17 T8 (1)	X	X		X		X	X	X	X	X
F17 T8 (2)		X		X		X		X		
F25 T8 (1)	X	X		X		X	X	X	X	X
F25 T8 (2)		X		X		X		X		
F32 T8 (1)	X	X		X		X	X	X	X	X
F32 T8 (2)		X		X		X		X		
F40 T8 (1)		X		X		X			X	X
F096 T8 59W (1)						X		X		
14W T5 (1)	X	X		X			X		X	X
21W T5 (1)	X	X		X		X	X		X	X
24W T5 (1)	X	X		X		X	X		X	X
28W T5 (1)	X	X		X		X	X	X	X	X
39W T5 (1)		X		X		X		X	X	X
54W T5 HO (1)		X		X		X		X	X	X
F20 T12 (1)	X	X		X		X		X		
F20 T12 (2)		X		X		X				
F40 T12 (1)	X	X		X		X		X		
F40 T12 (2)		X				X				
F48 T12 (1)		X				X		X		
F96 T12 60W (1)		X				X		X		
LAMP TYPE (# OF LAMPS)	COMPACT LAMPS									
18W Long Compact (1)	X	X		X		X				
24W Long Compact (1)	X	X		X		X				
36W Long Compact (1)	X	X		X		X		X	X	X
40W Long Compact (1)	X	X		X		X		X	X	X
40W Long Compact (2)						X				
50W Long Compact (1)		X		X		X		X	X	X
55W Long Compact (1)		X				X		X	X	X
7W PL CF 2-Pin (1)					X					
9W PL CF 2-Pin (1)					X					
13W PL CF 2-Pin (1)					X					
18W PL CF 2-Pin (1)					X					
26W PL CF 2-Pin (1)					X					
13W PL CF 4-Pin (1 or 2)		X	X	X						
18W PL CF 4-Pin (1 or 2)		X	X			X				
26W PL CF 4-Pin (1)		X	X	X		X				
26W PL CF 4-Pin (2)						X				
32W PL CF 4-Pin (1)		X	X	X		X				
32W PL CF 4-Pin (2)						X				
42W PL CF 4-Pin (1)		X	X			X				
42W PL CF 4-Pin (2)										
57W PL CF 4-Pin (1)		X				X		X		
57W PL CF 4-Pin (2)										
70W PL CF 4-Pin (1)		X				X		X		
20W Circline (1)	X	X	X	X		X		X	X	X
22W Circline T9 (1)		X	X	X		X		X		
22W Circline T5 (1)		X	X	X		X		X	X	X
40W Circline T8 (1)	X	X		X		X		X		
40W Circline T5 (1)		X		X		X				
55W Circline T5 (1)		X				X				
F28 2D (1)			X							
F28 2D (2)										
F38 2D (1)										
F38 2D (2)										