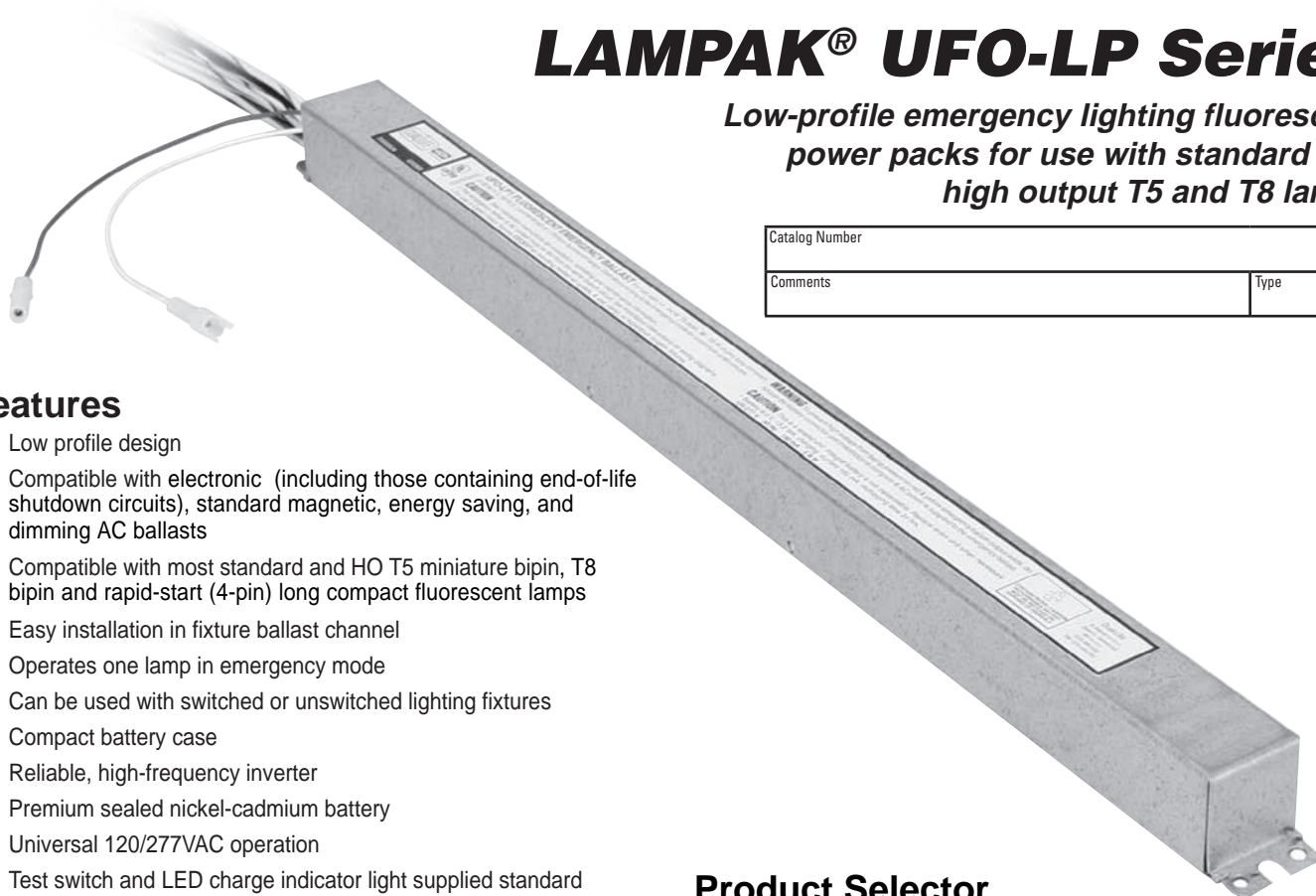


LAMPAK® UFO-LP Series

Low-profile emergency lighting fluorescent power packs for use with standard and high output T5 and T8 lamps



Catalog Number	
Comments	Type

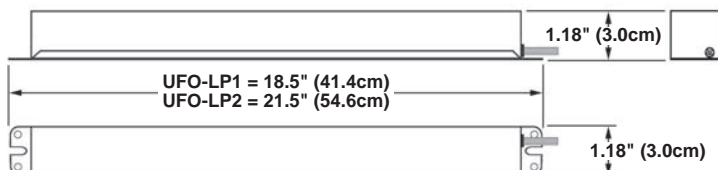
Features

- Low profile design
- Compatible with electronic (including those containing end-of-life shutdown circuits), standard magnetic, energy saving, and dimming AC ballasts
- Compatible with most standard and HO T5 miniature bipin, T8 bipin and rapid-start (4-pin) long compact fluorescent lamps
- Easy installation in fixture ballast channel
- Operates one lamp in emergency mode
- Can be used with switched or unswitched lighting fixtures
- Compact battery case
- Reliable, high-frequency inverter
- Premium sealed nickel-cadmium battery
- Universal 120/277VAC operation
- Test switch and LED charge indicator light supplied standard
- Provides 90 minutes of emergency lighting
- Low power consumption
- Temperature range: 0°C to 50°C (32°F to 122°F)
- UL 924 Listed (Emergency Lighting)

Application

Dual-Lite Lampak UFO-LP Series low-profile fluorescent emergency ballasts work in conjunction with a low-profile or standard-size electronic AC ballast containing an end-of-life shut down circuit to convert new or existing standard or high output T5 fluorescent fixtures into unobtrusive emergency lighting. Model UFO-LP1 can be used with one 14 - 28W standard or 24 - 54W high output T5; one 32W (4'), 40W (5') and 44W HO (4') T8 fluorescent lamp; or one 36 - 55W (4-pin) long compact fluorescent lamp (see Table 1). Model UFO-LP2 can be used with one 14 - 54W (2' - 4') standard or high output T5, 17 - 55W (2' - 5') standard or high output T8, 36 - 55W (4-pin) long compact fluorescent lamp (see Table 2). UFO-LP Series models are also compatible with most 1, 2, 3, and 4-lamp electronic (including those containing end-of-life shutdown circuits), standard, energy saving, and dimming AC ballasts. If used in an emergency-only fixture, no AC ballast is necessary. UFO-LP Series models are suitable for use in indoor-dry locations except air handling heated air outlet fixtures, and wet, damp, or hazardous location fixtures. For information about specific lamp and ballast compatibility, please call the factory.

Dimensions



Product Selector

Fixt Type	Model Number	Description	Init. Lumen Output
	UFO-LP1	Low-profile fluorescent power pack	390-700
	UFO-LP2	Low-profile fluorescent power pack	600-1325
(√)	Accessories (order separately)		
	SPRTS	Remote test switch/charge indicator module ⁽¹⁾	

(1) Fits single-gang box.

Table 1 (Model UFO-LP1)*

Lamp Diameter	Base Type	Power (Length)	No. of Lamps Operated (Emerg.)
T5 HO (5/8")	Miniature Bipin	24 - 54W (2' - 4')	1
T5 (5/8")	Miniature Bipin	14 - 28W (2' - 4')	1
Long Compact	4-Pin (2G11)	36 - 55W	1
T8 HO (1")	Bipin	44W (4')	1
T8 (1")	Bipin	32W (4') 40W (5')	1 1

Table 2 (Model UFO-LP2)*

Lamp Diameter	Base Type	Power (Length)	No. of Lamps Operated (Emerg.)
T5 HO (5/8")	Miniature Bipin	24 - 54W (2' - 4')	1
T5 (5/8")	Miniature Bipin	14 - 28W (2' - 4')	1
Long Compact	4-Pin (2G11)	36 - 55W	1
T8 HO (1")	Bipin	44W (4')	1
	Recessed DC	44 - 55W (4" - 5')	1
T8 (1")	Bipin	17 - 40W (2' - 5')	1

* Partial listing of lamps operated



Description

Dual-Lite LAMPAK Series emergency fluorescent power packs are designed to be connected to planned or existing fluorescent fixtures, eliminating the need to install additional emergency lighting units. All unit housings feature low-profile design and are constructed of heavy gauge galvanized steel in a natural finish. The unit contains a solid-state charger with automatic transfer circuit, test switch, LED charge indicator light, a dependable, high-frequency inverter and a high-temperature, nickel-cadmium battery. LAMPAK emergency fluorescent power packs are supplied with connection leads of sufficient length to accommodate all standard applications.

Weight: UFO-LP1 = 2.3 lbs (1.0 kg), UFO-LP2 = 3.3 lbs (1.5 kg)

Dimensions:

UFO-LP1 = 18.5" (47.0cm) L by 1.18" (3.0cm) W by 1.18" (3.0cm) H.
 UFO-LP2 = 21.5" (54.6cm) L by 1.18" (3.0cm) W by 1.18" (3.0cm) H.

Applications

The UFO-LP Series low-profile fluorescent emergency ballast works in conjunction with a low-profile or standard-size electronic AC ballast containing an end-of-life shut down circuit to convert new or existing standard or high output T5, T8 or (4-pin) long compact fluorescent lamp fixtures into unobtrusive emergency lighting. The UFO-LP1 can be used with one 14 - 28 W standard or 24 - 54 W high output T5; one 32 W (4'), 40 W (5') and 44 W H0 (4') T8 fluorescent lamp; or one 36 - 55 W (4-pin) long compact fluorescent lamp. Model UFO-LP2 can be used with one 14 - 54W (2' - 4') standard or high output T5, 17 - 55W (2' - 5') standard or high output T8, 36 - 55W (4-pin) long compact fluorescent lamp. UFO-LP Series models are compatible with most 1, 2, 3, and 4-lamp electronic, standard, energy saving, and dimming AC ballasts. If used in an emergency-only fixture, no AC ballast is necessary. UFO-LP Series models are also suitable for use in indoor-dry locations except air handling heated air outlet fixtures, and wet, damp, or hazardous location fixtures. For information about specific lamp and ballast compatibility, please call the factory. Recommended applications include: emergency lighting for pendant, cove, recessed Indirect/direct, surface-mount, and architectural lighting commonly used in office, hospitality, health care, retail, and educational facilities.

Illumination

Initial emergency lighting output is 390 to 700 lumens on UFO-LP1 models. Initial emergency lighting output is 600 to 1325 lumens on UFO-LP2 models. See Tables 3 and 4 below for lamp output specifications for UFO-LP1 and UFO-LP2 models.

Lamp Type	Lumens
FP54, F54 T5/HO	700
FP39, F39 T5/HO	620
FP24, F24 T5/HO	390
FP28, F28 T5	700
FP21, F21 T5	620
FP14, F14 T5	430
F32 T8 (4')	635
F40 T8 (5')	570
F48 T8/HO (4') (44W)	470
PL-L 50W, F50BX/RS, Dulux L 55W	510
PL-L 40W, F40/30BX, Dulux L 55W	625
PL-L 36W, F39/36BX, Dulux L 55W	610

* Partial listing of lamps operated.
 Initial lumen output measured at 25°C ambient temperature.

Lamp Type	Lumens
FP54, F54 T5/HO	1250
FP39, F39 T5/HO	1125
FP24, F24 T5/HO	725
FP28, F28 T5	1325
FP21, F21 T5	1025
FP14, F14 T5	750
F17 T8	650
F25 T8	750
F32 T8 (4')	1100
F40 T8 (5')	1325
F48 T8/HO (4') (44W)	1100
F60 T8/HO (5') (55W)	1275
PL-L 50W, F50BX/RS, FT55DL	1050
PL-L 40W/RS, F40/30BX, FT40DL/RS	925
PL-L 36W, F39/36BX, FT36DL	900

Operation

When AC power fails, UFO-LP Series models immediately switch to the emergency mode operating one lamp at high lumen output, then at reduced lumen output for a minimum of 90 minutes. When AC power is restored, the emergency ballast automatically returns to the charging mode and delays AC ballast operation for five seconds to prevent false-tripping of AC ballast (end-of-life) shutdown circuits. UFO-LP Series models use a patented circuit to perform this AC ballast delay function.

Maximum Power Consumption:

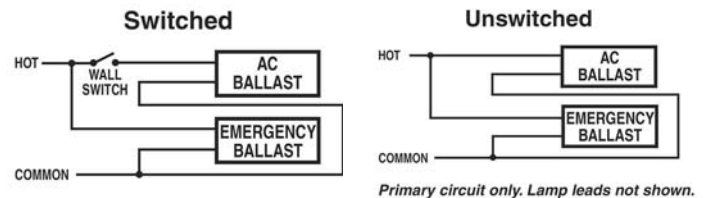
Model UFO-LP1: 3.2 watts
 Model UFO-LP2: 3.0 watts

Battery

Type: Maintenance-free nickel-cadmium (all models)

Installation

UFO-LP series models do not affect normal fixture operation and may be used with either a switched or unswitched fixture. If a switched fixture is used, an unswitched hot lead must be connected to the emergency ballast. The emergency ballast must be fed from the same branch circuit as the AC ballast. UFO-LP series models are for installation inside the fixture ballast channel. UFO-LP Series emergency power packs are not suitable for installation in heated air outlet fixtures and wet or hazardous location fixtures. Installation is not recommended with fixtures where the ambient temperature may fall below 0°C (32°F).



Operating Temperature Range: 0°C to 50°C (32°F to 122°F)

Warranty

Unit and Electronics: 5 years full (all models)
Battery: 5 years full (all models)

Suggested Specification

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with a Lampak UFO-LP series low-profile emergency ballast. This emergency ballast shall delay AC ballast operation for five seconds to prevent false-tripping of AC ballast end-of-life shutdown circuits using a patented circuit, and consist of a high-temperature, maintenance-free nickel-cadmium battery, charger and electronic circuitry contained in a galvanized steel case. A solid-state charging indicator light to monitor the charger and battery, a single-pole test switch, and installation hardware shall be provided. The unit shall be capable of operating one ____W, ____ foot (T5)(T8) fluorescent lamp (4-pin compact (twin)(quad)(triple twin) fluorescent lamp) at reduced illumination in the emergency mode for a minimum of 90 minutes. The Lampak unit shall provide an initial emergency lighting output of ____ lumens. Battery recharge following emergency operation shall be accomplished within acceptable UL time standards. Universal input will allow operation from 120 or 277VAC sources. The Lampak unit shall have (3.2)(3.0) watts of input power. The unit shall be UL listed and designed for mounting inside the fixture. Dimensions shall be [18.5" (47.0cm)][21.5" (54.6cm)] L by 1.18" (3.0cm) W by 1.18" (3.0cm) H. Unit warranty shall be for 5 full years.