

LP™ Series

Frequently Asked Questions

1. What applications are best suited for low-profile emergency ballasts?

LP™ Series low-profile emergency ballasts are ideal for pendant, recessed direct/indirect, surface-mount and architectural lighting fixtures commonly used in office, hospitality, health care, retail and educational facilities.

2. What differentiates a low-profile fluorescent emergency ballast from a standard fluorescent emergency ballast?

Ballast Dimensions - LP Series low-profile emergency ballast dimensions allow ballast-channel installation in space-limited fixtures. Low heights and narrow widths allow LP Series low-profile emergency ballasts to be paired with newer electronic AC ballasts, while lengths allow installation in most 2' - 4' T5, T8 and (4-pin) long compact fluorescent fixtures.

LP600 1.18" H x 1.18" W x 21.50" L

LP550 1.18" H x 1.18" W x 18.50" L

LP500 1.00" H x 1.18" W x 18.50" L

LP400 1.00" H x 1.50" W x 14.10" L

B50LP 1.18" H x 1.18" W x 21.50" L

Lamp Compatibility -

LP600 - One 14 - 54 W (2' - 4') standard or high output T5; 17 - 55 W (2' - 5') standard or high output T8; or 36 - 55 W (4-pin) long compact fluorescent lamp.

LP550 - One 14 - 54 W (2'-4') standard or high output T5; 32 - 44 W (4'-5') standard or high output T8; or 36 - 55 W (4-pin) long compact fluorescent lamp.

LP500 - One 21 - 28 W (2'-4') standard T5 fluorescent lamp.

LP400 - One 32 W (2'-4') standard T8 fluorescent lamp.

B50LP - One 17 - 55 W (2'-5') standard or high output T8 or 36 - 55 W (4-pin) long compact fluorescent lamp.

Lumen Output -

LP600, LP550, LP500, LP400 and B50LP produce 600-1325 lumens, 390-700 lumens, 400-520 lumens, 450 lumens and 815-1375 lumens, respectively.

Note: Initial lumen output for LP Series low-profile emergency ballasts is measured at 25°C. These conservative ratings ensure that rated lumens are used in lighting design calculations.

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| LAMP DESCRIPTION | BASE (DIAMETER) | WATTAGE (Length) | Lumen Output @ 25°C | | | | |
|--|------------------------|------------------|---------------------|-------|-------|-------|-------|
| | | | LP600 | LP550 | LP500 | LP400 | B50LP |
| T5 High Output (Programmed Start) | Miniature Bipin (5/8") | 54 W | 1250 | 700 | | | |
| | | 39 W | 1125 | 620 | | | |
| | | 24 W | 725 | 390 | | | |
| T5 Standard (Programmed Start) | Miniature Bipin (5/8") | 28 W | 1325 | 700 | 500 | | |
| | | 21 W | 1025 | 620 | 400 | | |
| | | 14 W | 750 | 430 | | | |
| T8 Standard High Output (ProgrammeStart) | Medium Bipin (1") | 32 W (4') | 1100 | 635 | | 450 | 1375 |
| | | 44 W (4') HO | 1100 | 470 | | | 815 |
| | | 40 W (5') | 1325 | 570 | | | 855 |
| | Recessed DC (1") | 44 W (4') HO | 1100 | 470 | | | 815 |
| | | 55 W (4') HO | 1275 | | | | 945 |
| T12 Standard | Medium Bipin (1") | 34 W ES, 40 W | | | | | 1000 |
| Long Compact Fluorescent | (2G11) 4-PIN | 50 W, 55 W | 1050 | 510 | | | 975 |
| | | 40 W | 925 | 625 | | | 975 |
| | | 36/39 W | 900 | 610 | | | 1175 |

3. LP600, LP550 and LP500 are described as being compatible with “electronic AC ballasts utilizing end-of-life shutdown circuits.” What does this mean?

Some newer electronic AC ballasts contain special circuits designed to detect when the lamp reaches end-of-life and automatically shut themselves off. LP600, LP550 and LP500 are compatible with these AC ballasts. When AC power fails, these low-profile emergency ballasts 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 low-profile emergency ballast automatically returns to the charging mode and, using a patent-pending circuit, delays AC ballast operation for five seconds to prevent false-tripping of AC ballast end-of-life shutdown circuits. Note: Please contact Technical Support for a special wiring diagram bypassing five-second delay for those applications that do not need this feature.

4. Are LP600, LP550, LP500 and LP400 compatible with dimming AC ballasts?

Yes. Like our standard emergency ballasts, LP Series low-profile emergency ballasts are compatible with electronic energy-saving and dimming AC ballasts.

5. LP600, LP550 and LP500 are described as being compatible with T5 lamps that use a programmed starting method. How was this achieved?

LP600, LP550 and LP500 low-profile emergency ballasts have a patent-pending high/low starting method that reliably cold starts lamps. Regardless of whether lamps are “on” or “off,” LP550 and LP500 will start the lamps when normal power fails.

6. What can I do if the test switch cannot be installed on the fixture?

Use our Low-Profile Charging Indicator Light, or for remote test switch installation, order the Single-Pole Test/Monitor Wall Plate Assembly.

Any Questions? Call 800-223-5728, Fax 901-853-5009 or E-mail info@bodine.com