

# User's Manual

## PM FBT T5 SERIES

Application and performance specification

Electronic ballast for T5 14x3, T5 21x3,

### Description

Active power factor correction.  $PF \geq 0.99$

Low harmonic distortion .  $THD \leq 10\%$

Low lamp current crest factor.  $CF \leq 1.6$

Warn (Rapid) start.

### Long Life

### De-active lamp protection

Model	Line Volts	Lamp type	Input watts	Normal Line amps	Power factor	Total Harmonic distortion	Crest factor
PMFBTT514x3	120V/60Hz	T5 14W	55W	0.46A	>0.99	<10%	<1.6
PMFBTT521x3	120V/60Hz	T5 21W	80W	0.67A	>0.99	<10%	<1.6

### Performance

Meets FCC Part 18 (Class A) For EMI

Non-consumer limits

### Application:

Minimum starting temperature  $-18^{\circ}\text{C}$

Maximum ambient temperature  $40^{\circ}\text{C}$

Maximum case temperature  $75^{\circ}\text{C}$

### Safety

UL listed

### Physical parameters

Mounting length 414mm  
(center to center)

Overall length 424mm

Width 30mm

Height 26mm

This light device has been tested and found to comply with the limits for Consumer RF Lighting Device, pursuant to Part 18 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

1. Use only on 120 volt, 60 hertz.
2. Never disassemble or modify - any changes could void the user's authority to operate this device.
3. Not for use in totally enclosed fixtures.
4. Risk of electric shock - do not use where directly exposed to water.
5. This device is not intended for use with emergency exit fixtures or emergency exit lights.
6. This product may cause interference to radio equipment and should not be installed near maritime safety communications equipment or other critical navigation or communication equipment operating between 0.45-30MHz.
7. To prevent burns, do not touch the bulb during operation or immediately after switching off.
8. Not for use with dimmers, electronic timer or photocell devices or occupancy sensor.
9. This device is intended to be professionally installed for Industrial or Commercial use.

### Warranty

Universal lighting technologies warrants to the purchaser that each electronics ballast will be marched with the lamp (T5 14x3, T5 21x3) and free from defects in material or workmanship for a period of 5 years from date of manufacture when properly installed and under normal condition of use.