

LED MAGICFIT TUBE

Plug and Play Tube



The LED MagicFit tube can work with specific T8 instant-start, rapid-start, programmed-start, dimming-start ballasts and existing emergency battery backup equipment.

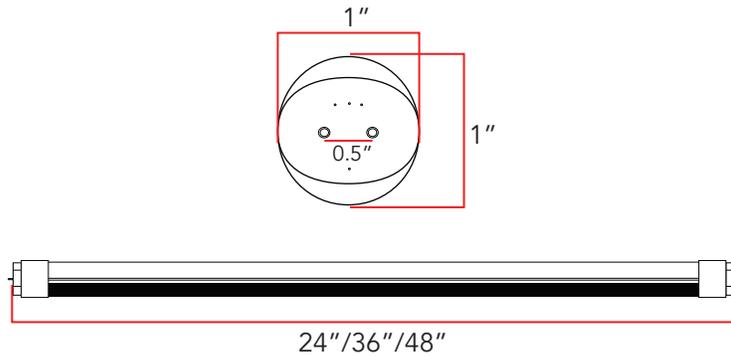


-Aluminum & Plastic



-Nano All Plastic Lens

DIMENSIONS



CERTIFICATIONS



FEATURES

- Fantastic direct replacement “plug and play” tube
- Compatible with over 90% of all North American electronic ballasts
- Glass-free for use in food areas and refrigerated food displays
- Suitable for damp or dry environments
- Minimize labor and recycling costs
- Stable lumen output for different ballast brands with different ballast factors
- UL Type A
- 5 Year Manufacturer’s Warranty

COMMON TECHNICAL DATA

| | |
|----------------------------|----------------------------------------------|
| Color Temperature | 3000K to 5000K |
| Beam Angle | 240° (Aluminum/PC) 320° (Nano Plastic) |
| Color Consistency | 4 Steps |
| CRI | >80 |
| Operation Temperature | -30°C to 40°C |
| Efficiency with ballast | 120 LPW (Aluminum) 140 LPW (Nano Plastic) |
| Input Voltage with ballast | 100-277VAC, 347 V |
| Frequency | 50-60Hz |
| Power Factor | More than 0.99 |
| Rated Life | 50,000 hrs. |
| LED Type | SMT 2835 |
| Housing | Aluminum/PC Nano All Plastic Lens |

WARRANTY

This product has a warranty for a period of 5 years from the date of purchase. The warranty is invalid in the case of improper installation, tampering, or removal of the Q.C. date label. Installation in an improper working environment or installation not according to the current edition of the National Electric Code also invalidates the warranty. Should this product fail during the warranty period, it will be replaced free of charge, subject to correct installation and return of the faulty unit. James® does not accept responsibility for any installation costs associated with the replacement of this product. This warranty is in addition to the statutory rights in the country of purchase. James® reserves the right to alter specifications without prior notice.

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PRODUCT SPECIFICATION

| Product Number | Housing | Length (inch) | Color | Bare Lamp (Watt) | Lumens | Average System Watt (W) | | | Average System Lumens | | |
|----------------|-----------------------|---------------|-------------|------------------|--------|---------------------------|----------------------------|----------------------------|---------------------------|----------------------------|----------------------------|
| | | | | | | Low Ballast Factor (0.78) | Norm Ballast Factor (0.88) | High Ballast Factor (1.10) | Low Ballast Factor (0.78) | Norm Ballast Factor (0.88) | High Ballast Factor (1.10) |
| BT812W4FT | Aluminum & Plastic | 48" | 3000K-5000K | 12W | 1620 | 13.5 | 14.5 | 16.5 | 1765 | 1885 | 2145 |
| BT8P12W4FT | Nano All Plastic Lens | | | | | | | | | | |
| BT814W4FT | Aluminum & Plastic | 48" | 3000K-5000K | 14W | 1890 | 15.5 | 16.5 | 18.5 | 2015 | 2145 | 2402 |
| BT8P14W4FT | Nano All Plastic Lens | | | | | | | | | | |
| BT816W4FT | Aluminum & Plastic | 48" | 3000K-5000K | 16W | 2160 | 17.5 | 18.5 | 19.5 | 2275 | 2405 | 2535 |
| BT8P16W4FT | Nano All Plastic Lens | | | | | | | | | | |

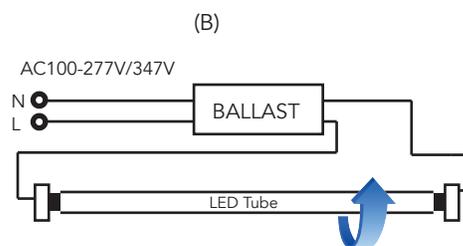
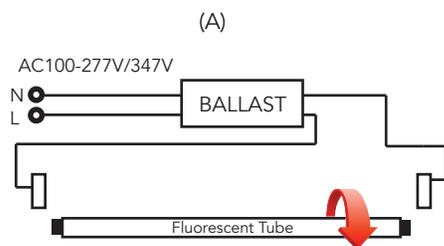
ORDERING GUIDE

| B | T8/T8P | 12W/14W/16W | 2FT/3FT/4FT | 3000K-5000K |
|--------------|--------------|-------------|-------------|-------------|
| Company Code | Housing Type | Wattage | Length | CCT |

INSTALLATION INSTRUCTIONS

Direct Replacement Procedure:

1. Turn OFF power to the fixture at the breaker panel before installation.
2. Open the diffuser from the light fixture.
3. Remove the fluorescent tubes (A) and dispose of these properly as they may contain mercury.
4. Put LED tube (B) into the lighting fixture and ensure the pins are firmly seated in lamp holders.
5. Install the LED tubes and close the diffuser.
6. Switch ON power to the fixture at the breaker panel



CAUTION

- Risk of fire- do not install this lamp in a pre-heated luminaire.
- Loose or damaged end caps and/or lamp holders need to be replaced before installation.
- Risk of electric shock- make installation with gloves.
- Use only in place of fluorescent lamps specified on label.
- These lamps are intended for use with emergency exists.
- These lamps are to be used with a light dimmer.
- If the lamp or luminaire exhibits undesirable operation (i.e. buzzing, flickering, etc.), immediately turn off power and remove the lamp from luminaire and contact manufacturer.
- This lamp only operates on electronic ballasts. If lamp does not light when the luminaire is energized, remove this lamp from luminaire and contact manufacturer.
- Check the ballast installed in the field and make sure the ballast is in manufacturer's ballast list. If the ballast out of the list, a test must be needed before mass installation.
- Do not make mass installation before sample testing.