Part Name: Provider Lamp Part Number: LT84-4100-BPR-1620

Easily Turning Fluorescent Fixtures into an Intelligent LED Platform

Features and Benefits



Plug-and-Play installation means less retrofit costs and saved time. The lamps are compatible with most electronic ballasts.



Dimmable lamps (0-100%) that work with a traditional ballast in place significantly improve system efficiency and user comfort.



Constant Lumens current-control technology means equal lamp brightness, regardless of ballast model, helping with asthetics, lamp lifetime consistency, and energy performance.



Compatibile with smart controls and sensors (daylight, occupancy, etc.), allowing flexible integration with the lamps.



Advanced Efficiency from modern LEDs, sensors, and smart controls means up to 85% energy savings over linear fluorescent lighting.

Description

iLumens turns your existing fluorescent lighting infrastructure into an intelligent lighting system. Ballast-compatible dimmability eliminates the need for ballast removal and enables far more energy savings than the 50% saved from LEDs alone (e.g., 85%). The iLumens Provider lamp works with controls, sensors, and software, providing advanced energy savings and user comfort. With high-performance and economics in mind, iLumens is the optimal method for achieving intelligent LED lighting in a linear fluorescent space.

Awards

- Winner: Utah Innovation Award for Cleantech
- · Semi-Finalist: National Cleantech Open
- Finalist: NREL Industry Growth Forum, E2C, SXSW Eco, Next Step Challenge, and Defense Innovation Showcase

Certifications:







⊒ ≣ 1.11 in

Product Information

 Power:
 <16W (dimmable)</td>

 Color Rendering Index:
 ~84%

 Lumen Output:
 2080 lumens (dimmable)

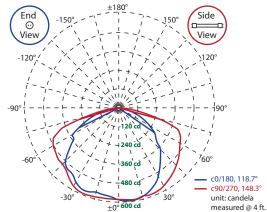
 Efficacy:
 133.0 lumens/W

 Lamp Weight:
 ~0.6 lb

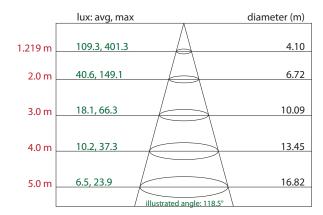
 Lamp Dimensions:
 47.17 in

Photometric Diagrams

Polar Luminous Intensity



Illuminance Cone





Experience. Intelligent. Light.



Installation Instructions

Below are two common installation methods, which assumes the installer is familiar with how to access fluorescent lamps and fixtures. If you are not comfortable performing the work desribed below, consult an experienced professional or electrician. For special situations/configurations, please contact iLumens.

One-for-One Lamp Replacements

- 1. Turn off power to the lamps.
- 2. Remove fluorescent lamps carefully (contains mercury).
- 3. If using existing ballast (must be an electronic ballast), make no modifications.
- 4. If replacing ballast, consult qualified electrician to wire according to ballast manufacturer instructions. Instant-start ballasts are recommended.
- 5. Install iLumens lamps with wires at the same end.
- 6. Feed the low-voltage wires through a hole in the fixture to the outside of the fixture. Ensure wires do not come in contact with sharp metal edges. If no holes are available, remove fixture knockout or drill hole in inconspicuous place and insert grommet to protect the wires, then feed the wires.
- 7. Connect the low-voltage wires of each lamp to the Y-connectors to create a common fixture connection.
- Connect each fixture together and bring to a common room/space control (power pack, dimmer switch, etc.)
- 9. Dispose of fluorescent lamps properly. Go to search.earth911.com and search "fluorescent tubes" and your zip code to find location.

Delamping

- 1. Turn off power to the lamps.
- 2. Remove fluorescent lamps carefully (contain mercury).
- 3. Identify whether the ballast is an instant-start or rapid/programmed start ballast and if more than one ballast is being used. If using an instant-start ballast, fewer lamps can be used than the ballast rating (e.g., 2 lamps can be used with a 3-lamp ballast). For rapid/programmed ballasts, please contact iLumens.
- 4. Decide how many lamps will be used in the fixture and ensure the number of lamps will work with the ballast configuration. If ballast reconfiguration is required, consult a qualifed electrician to wire according to ballast manufacturer instructions.
- 5. Proceed with the "One-for-One Replacements" instructions on the left, beginning at Step 5.

Warranty

The InnoSys 5-year warranty is valid for all installations fulfilling the relevant norms and application requirements. The products shall be under usage of normal condition or as recommended by InnoSys. InnoSys will replace or repair defective products within 7 working days after receipt of product upon our approved inspection of the returned product except in cases where 1) Product has been modified by the user; 2) Product was not installed or maintained according to manual or specifications; 3) Product was subject to unusual physical or electrical stress, misuse, or negligence; 4) Product was non-defective or product defect was not related to InnoSys product functionality, including third-party modifications; 5) Other damages caused after receipt of product by customer.

Contact

For ORDERING, GENERAL QUESTIONS or COMMENTS: **info@iLumens.com** or **801-976-7399**For TROUBLESHOOTING or WARRANTY: **support@iLumens.com** or **801-976-7399**

Part Name: Provider Lamp Part Number: LT82-4000-BPR-0810

Easily Turning Fluorescent Fixtures into an Intelligent LED Platform

Features and Benefits



Plug-and-Play installation means less retrofit costs and saved time. The lamps are compatible with most electronic ballasts.



Dimmable lamps (0-100%) that work with a traditional ballast in place significantly improve system efficiency and user comfort.



Constant Lumens current-control technology means equal lamp brightness, regardless of ballast model, helping with asthetics, lamp lifetime consistency, and energy performance.



Compatibile with smart controls and sensors (daylight, occupancy, etc.), allowing flexible integration with the lamps.



InnoSys, Inc.

Advanced Efficiency from modern LEDs, sensors, and smart controls means up to 85% energy savings over linear fluorescent lighting.

Description

iLumens turns your existing fluorescent lighting infrastructure into an intelligent lighting system. Ballast-compatible dimmability eliminates the need for ballast removal and enables far more energy savings than the 50% saved from LEDs alone (e.g., 85%). The iLumens Provider lamp works with controls, sensors, and software, providing advanced energy savings and user comfort. With high-performance and economics in mind, iLumens is the optimal method for achieving intelligent LED lighting in a linear fluorescent space.

Awards

- Winner: Utah Innovation Award for Cleantech
- Semi-Finalist: National Cleantech Open
- Finalist: NREL Industry Growth Forum, E2C, SXSW Eco, Next Step Challenge, and Defense Innovation Showcase

Certifications:



DLC expected < 1 month

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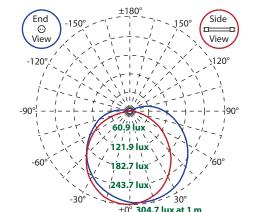
FCC expected < 1 month

Product Information

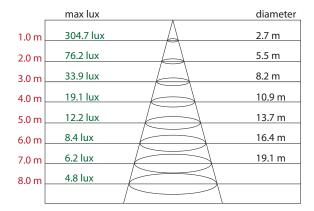
Ballast Compatibility: instant start: >97%
rapid/programmed start: ~50%
not designed for magnetic
Dimming Control: wired
Correlated Color Temperature: 4000K
Optics: frosted polymer
View Angle: 120°

Photometric Diagrams

Preliminary diagrams
Polar Luminous Intensity



Illuminance Cone





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Installation Instructions

Below are two common installation methods, which assumes the installer is familiar with how to access fluorescent lamps and fixtures. If you are not comfortable performing the work desribed below, consult an experienced professional or electrician. For special situations/configurations, please contact iLumens.

One-for-One Lamp Replacements

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- 4. If replacing ballast, consult qualified electrician to wire according to ballast manufacturer instructions. Instant-start ballasts are recommended.
- 5. Install iLumens lamps with wires at the same end.
- 6. Feed the low-voltage wires through a hole in the fixture to the outside of the fixture. Ensure wires do not come in contact with sharp metal edges. If no holes are available, remove fixture knockout or drill hole in inconspicuous place and insert grommet to protect the wires, then feed the wires.
- 7. Connect the low-voltage wires of each lamp to the Y-connectors to create a common fixture connection.
- Connect each fixture together and bring to a common room/space control (power pack, dimmer switch, etc.)
- 9. Dispose of fluorescent lamps properly. Go to search.earth911.com and search "fluorescent tubes" and your zip code to find location.

Delamping

- 1. Turn off power to the lamps.
- 2. Remove fluorescent lamps carefully (contain mercury).
- 3. Identify whether the ballast is an instant-start or rapid/programmed start ballast and if more than one ballast is being used. If using an instant-start ballast, fewer lamps can be used than the ballast rating (e.g., 2 lamps can be used with a 3-lamp ballast). For rapid/programmed ballasts, please contact iLumens.
- 4. Decide how many lamps will be used in the fixture and ensure the number of lamps will work with the ballast configuration. If ballast reconfiguration is required, consult a qualifed electrician to wire according to ballast manufacturer instructions.
- 5. Proceed with the "One-for-One Replacements" instructions on the left, beginning at Step 5.

Warranty

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- 4. If replacing ballast, consult qualified electrician to wire according to ballast manufacturer instructions. Instant-start ballasts are recommended.
- 5. Install iLumens lamps. If using lamps with low-voltage wires, install them with wires at same end.
- 6. If using lamps with low-voltage wires, feed the wires through a hole in the fixture to the outside of the fixture. Ensure wires do not come in contact with sharp metal edges. Connect the low-voltage wires of each lamp to create a common fixture connection. Connect each fixture together and bring to a common room/space control (power pack, dimmer switch, etc.)
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