

4' and 8' LED Module High Bay Fluorescent Retrofit

Instruction Number: P-INT-X-457-U

Product Series: LMAR

Fixtures for Retrofit: 92"/96" Austin Fluorescent Linear, 92"/96" Cooper/Eaton Fluorescent Linear, or 92" Lithonia Fluorescent Linear

WARNING! - Risk of fire or electric shock. Luminaire wiring and electrical parts may be damaged when drilling for installation of LED retrofit kit. Check for enclosed wiring and components.

WARNING! - Risk of fire or electric shock. LED Retrofit Kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

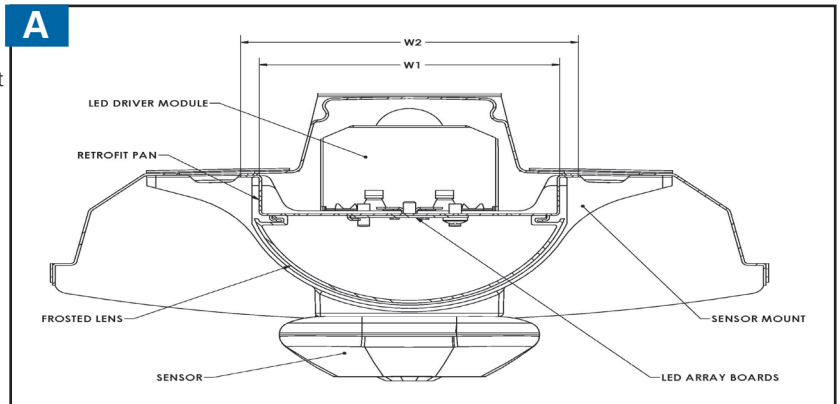
WARNING! - Risk of fire or electric shock. Install this kit only in the luminaires that have the construction features and dimensions shown in the photographs and/or drawings and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.

WARNING! - To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

WARNING! - Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.

CAUTION! - Risk of fire. Consult a qualified electrician to ensure correct branch circuit conductor. "THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED." "THE RETROFIT ASSEMBLY IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY UL OR AUTHORITIES HAVING JURISDICTION" "LUMINAIRE HOUSING BEING RETROFITTED MUST BE METAL IN ORDER TO PROVIDE APPROPRIATE PATH FOR BONDING" Only those open holes indicated in the photographs and/or drawings may be made or altered as a result of kit installation. Do not leave any other open holes in an enclosure of wiring or electrical components.

Use this instruction to install the LED Module High Bay retrofit kit into an existing fluorescent 92" or 96" Austin, or 92" or 96" Cooper Eaton, or 92" Lithonia High Bay fixture. This kit is intended to retrofit 4 ft. and 8 ft. suspended or surface mounted High Bay luminaires with or without a diffuser or lens. The retrofit kit is only intended to retrofit High Bays where the width of the driver tray (W1) is less than the width where the upright openings are located (W2). (See Img. A for Orion Retrofit Assembly components)



Components for 4' Fixture Retrofits

- 1 4' Modular Retrofit Assembly
- 2 (2) Silver Screws
- 3 (7) White Screws
- 4 Enlighted Sensor

Components for 8' Fixture Retrofits

- 1 (2) 4' Modular Retrofit Assemblies (8' models only)
- 2 (4) Silver Screws
- 3 (14) White Screws
- 4 Enlighted Sensor
- 5 Sensor Bridge Modular Bracket (Note: Size varies based on size of fixture being retrofit)

Tools Required for Installation

- Cordless Drill
- Wire cutter/stripper

Step-by-Step Instructions (8' Model Shown)

- 1 Unpack all components listed above.
- 2 Remove the existing louvers. Each louver is held in place by wire springs on one side while resting on both bottom flanges of the existing fixture housing. The non-sprung side of the louver will clear the bottom flange. Pull it down and remove each louver and discard.
- 3 Remove the existing fluorescent light tubes and dispose of them according to Federal, State and local ordinances.
- 4 Remove and discard the existing reflectors.
- 5 Remove any wiring and ballast covers and discard.
- 6 Disconnect the incoming power connections to the existing internal components.
- 7 Remove the existing lamp holder brackets.
- 8 Remove all ballasts and properly discard them all with the wires and brackets attached to them.

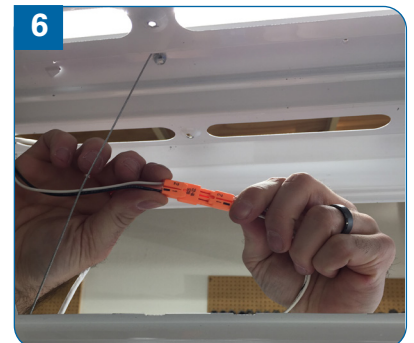
4' and 8' LED Module High Bay Fluorescent Retrofit

Instruction Number: P-INT-X-457-U

Product Series: LMAR

Fixtures for Retrofit: 92"/96" Austin Fluorescent Linear, 92"/96" Cooper/Eaton Fluorescent Linear, or 92" Lithonia Fluorescent Linear

- 9** Secure one 4' module in place with the (2) attached safety cable lanyards to the existing fixture housing with (2) of the silver screws (use existing housing holes if possible-see Page 3 for mounting hole locations). (See Fig. 1 and Fig. 2 safety cable lanyard locations).
- 10** After both safety cable lanyards are secured to the fixture housing, make electrical connections per NEC and local codes.
- 11** Place the retrofit module assembly over the electrical wiring and secure to the existing fixture housing by screwing the module in place with 6 of the white screws provided. (3) white screws per side of the module (use existing housing holes if possible). (See Fig. 3)
Note: Do not pinch wires. Some of the wiring, including the wiring for the fixture sensor, will stick out of the end of the module.
- 12** Snap the Enlighted sensor into the sensor bridge mounting bracket, and attach the wire. (See Fig. 4)
- 13** Screw the sensor bridge mounting bracket against the end of the 4' installed module with (2) of the white screws, (1) per side. (See Fig. 5)
- 14** Secure the second 4' module in place with the (2) provided safety cable lanyards to the existing fixture housing with (2) of the silver screws (use existing housing holes if possible-see Page 3 for mounting hole locations).
- 15** Make the electrical power connection between the (2) 4' modules by plugging the LED driver quick disconnects together (one on each module). (See Fig. 6)
- 16** Place the retrofit module assembly over the rest of the electrical wiring to secure to the existing fixture housing, screw the module in place with (6) of the white screws provided. (3) white screws per side of the module (use existing housing holes if possible). (See Fig. 3)
Note: Do not pinch wires.
- 17** Restore power to fixture and test.

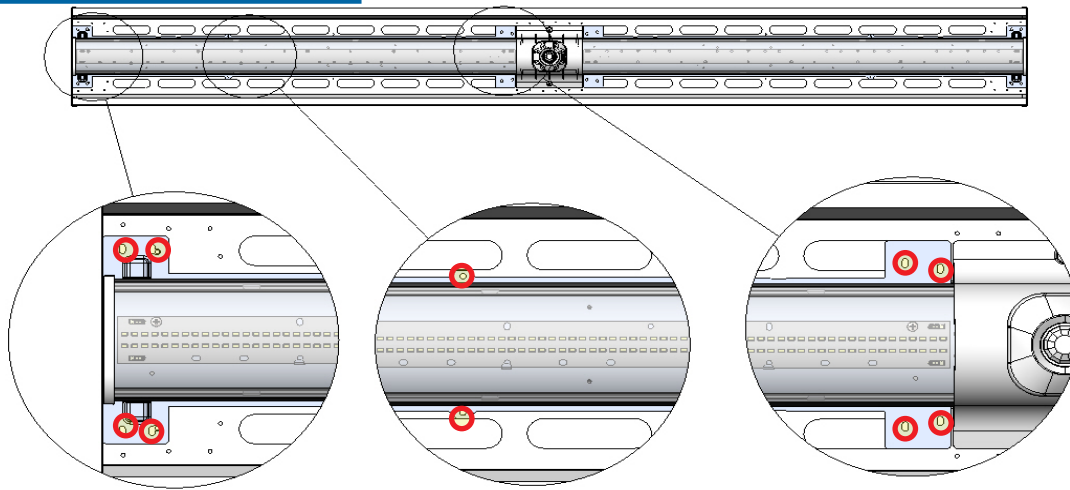


4' and 8' LED Module High Bay Fluorescent Retrofit

Instruction Number: P-INT-X-457-U

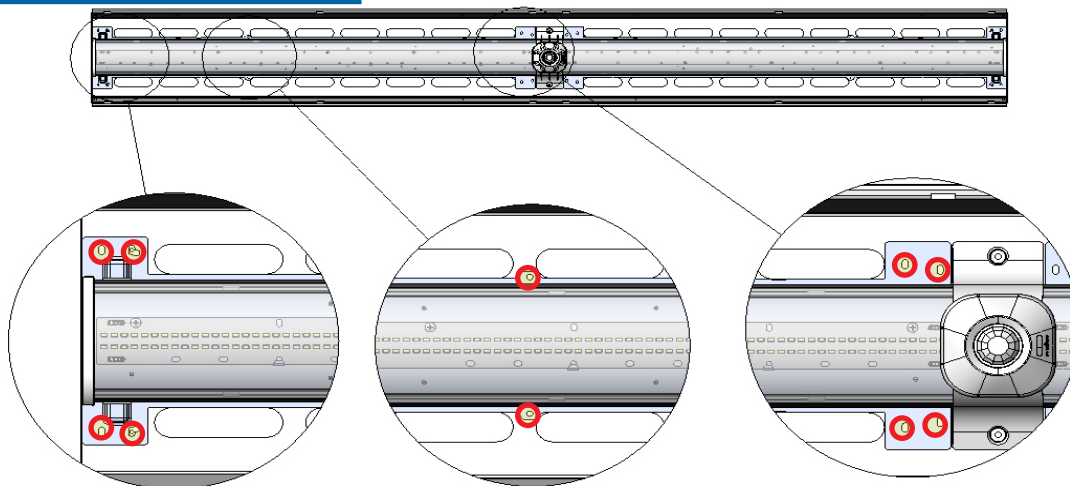
Fixtures for Retrofit: 92"/96" Austin Fluorescent Linear, 92"/96" Cooper/Eaton Fluorescent Linear, or 92" Lithonia Fluorescent Linear

Austin 96" Body

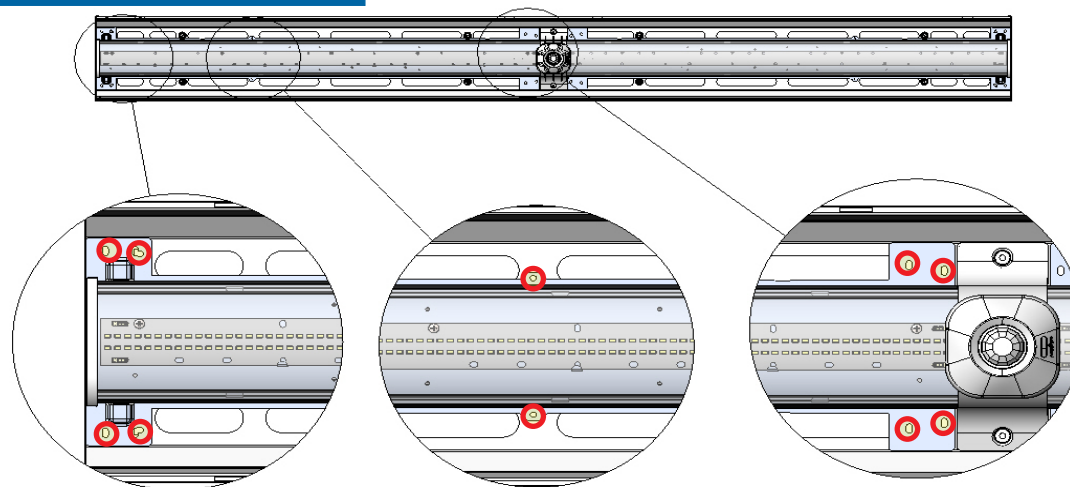


Mounting hole locations are circled in red for one 4' module, this needs to be repeated for the other 4' module when retrofitting an 8' fixture

Cooper/Eaton 92" Body



Lithonia 92" Body



4' and 8' LED Module High Bay Fluorescent Retrofit

Instruction Number: P-INT-X-457-L96

Fixtures for Retrofit: 96" Lithonia Fluorescent Linear

WARNING! - Risk of fire or electric shock. Luminaire wiring and electrical parts may be damaged when drilling for installation of LED retrofit kit. Check for enclosed wiring and components.

WARNING! - Risk of fire or electric shock. LED Retrofit Kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

WARNING! - Risk of fire or electric shock. Install this kit only in the luminaires that have the construction features and dimensions shown in the photographs and/or drawings and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.

WARNING! - To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

WARNING! - Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.

CAUTION! - Risk of fire. Consult a qualified electrician to ensure correct branch circuit conductor. "THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED." "THE RETROFIT ASSEMBLY IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY UL OR AUTHORITIES HAVING JURISDICTION" "LUMINAIRE HOUSING BEING RETROFITTED MUST BE METAL IN ORDER TO PROVIDE APPROPRIATE PATH FOR BONDING"

Only those open holes indicated in the photographs and/or drawings may be made or altered as a result of kit installation. Do not leave any other open holes in an enclosure of wiring or electrical components.

Use this instruction to install the LED Module High Bay retrofit kit into an existing fluorescent 96" Lithonia High Bay fixture.

This kit is intended to retrofit 4 ft. and 8 ft. suspended or surface mounted High Bay luminaires with or without a diffuser or lens. The retrofit kit is only intended to retrofit High Bays where the width of the driver tray (W1) is less than the width where the upright openings are located (W2). (See Img. A for Orion Retrofit Assembly components)

Components for 4' Fixture Retrofits

- 1 4' Modular Retrofit Assembly
- 2 (2) Silver Screws
- 3 (7) White Screws
- 4 Module bracket clip

Components for 8' Fixture Retrofits

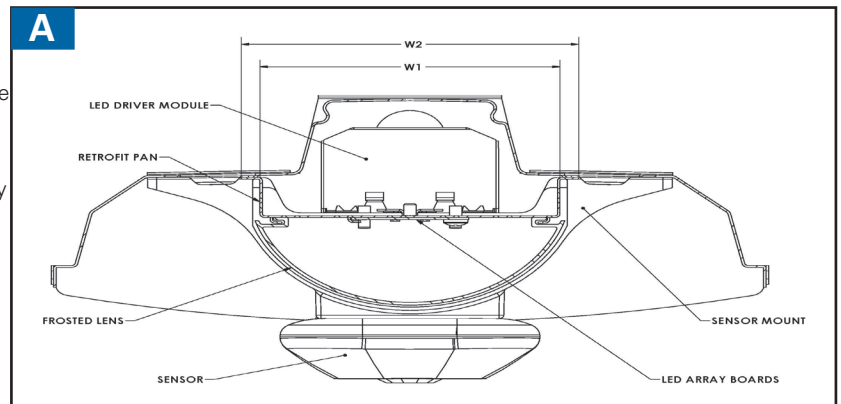
- 1 (2) 4' Modular Retrofit Assemblies (8' models only)
- 2 (4) Silver Screws
- 3 (14) White Screws
- 4 Enlighted Sensor
- 5 Sensor Bridge Modular Bracket (Note: Size varies based on size of fixture being retrofit)
- 6 (2) Module bracket clips

Tools Required for Installation

- Cordless Drill
- Wire cutter/stripper

Step-by-Step Instructions

- 1 Unpack all components listed above.
- 2 Remove the existing louvers. Each louver is held in place by wire springs on one side while resting on both bottom flanges of the existing fixture housing. The non-sprung side of the louver will clear the bottom flange. Pull it down and remove each louver and discard.
- 3 Remove the existing fluorescent light tubes and dispose of them according to Federal, State and local ordinances.
- 4 Remove and discard the existing reflectors.
- 5 Remove any wiring and ballast covers and discard.
- 6 Disconnect the incoming power connections to the existing internal components.
- 7 Remove the existing lamp holder brackets.
- 8 Remove all ballasts and properly discard them all with the wires and brackets attached to them.

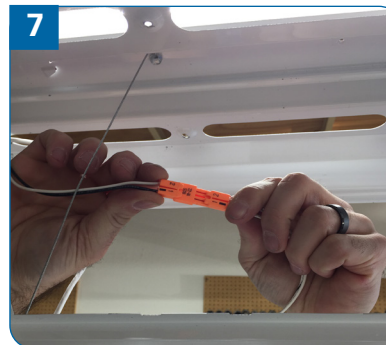


4' and 8' LED Module High Bay Fluorescent Retrofit

Instruction Number: P-INT-X-457-L96

Fixtures for Retrofit: 96" Lithonia Fluorescent Linear

- 9** Secure one 4' module in place with the (2) attached safety cable lanyards to the existing fixture housing with (2) of the silver screws (use existing housing holes if possible-see Page 3 for mounting hole locations). (See Fig. 1 and Fig. 2 safety cable lanyard locations).
- 10** After both safety cable lanyards are secured to the fixture housing, make electrical connections per NEC and local codes.
- 11** Snap one of the module bracket clips onto the back of the module, so it aligns with the center hole. (See Fig. 3)
- 12** Place the retrofit module assembly over the electrical wiring and secure to the existing fixture housing by screwing the module in place with 6 of the white screws provided. (3) white screws per side of the module (use existing housing holes if possible). (See Fig. 4)
Note: Do not pinch wires. Some of the wiring, including the wiring for the fixture sensor, will stick out of the end of the module.
- 13** Snap the Enlighted sensor into the sensor bridge mounting bracket, and attach the wire. (See Fig. 5)
- 14** Screw the sensor bridge mounting bracket against the end of the 4' installed module with (2) of the white screws, (1) per side. (See Fig. 6)
- 15** Secure the second 4' module in place with the (2) provided safety cable lanyards to the existing fixture housing with (2) of the silver screws (use existing housing holes if possible-see Page 3 for mounting hole locations).
- 16** Make the electrical power connection between the (2) 4' modules by plugging the LED driver quick disconnects together (one on each module). (See Fig. 7)
- 17** Snap the second module bracket clip onto the back of the module, so it aligns with the center hole. (Reference Fig. 3 for alignment)
- 18** Place the retrofit module assembly over the rest of the electrical wiring to secure to the existing fixture housing, screw the module in place with (6) of the white screws provided. (3) white screws per side of the module (use existing housing holes if possible). (See Fig. 8)
Note: Do not pinch wires.
- 19** Restore power to fixture and test.

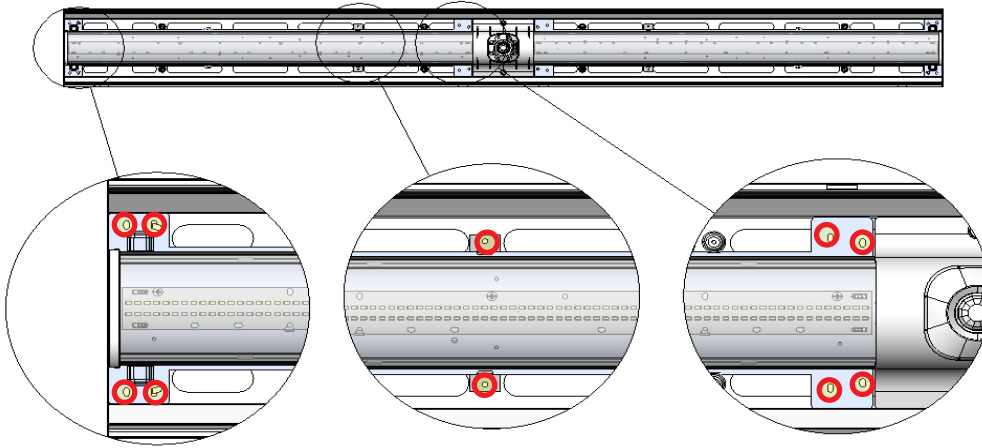


4' and 8' LED Module High Bay Fluorescent Retrofit

Instruction Number: P-INT-X-457-L96

Fixtures for Retrofit: 96" Lithonia Fluorescent Linear

Lithonia 96" Body



Mounting hole locations are circled in red for one 4' module, this needs to be repeated for the other 4' module when retrofitting an 8' fixture