RemPhos

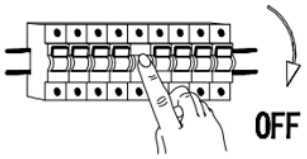
INSTRUCTIONS

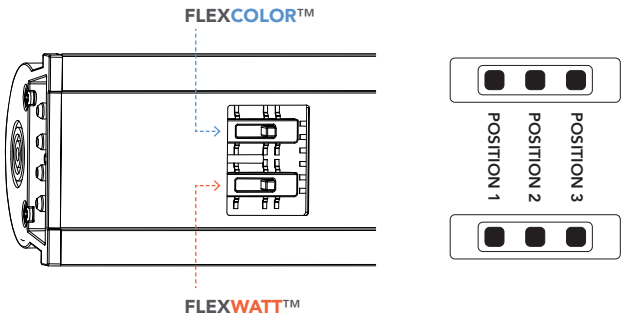
FIXTURES/
RETROFIT KITS

LINKABLE BAR / INTERNAL DRIVER (LBI)

WARNING

- Risk of fire. Turn off power before installation.
- Risk of electric shock. Install only by certified electrician with gloves.
- To be used in indoor, dry or damp locations only.
- If the luminaire exhibits undesirable operation (buzzing, flickering, not working etc.) immediately turn off power, remove luminaire and contact manufacturer.
- Do not make mass installation before testing.
- Suitable for damp locations.
- Consult a qualified electrician to ensure the correct branch circuit conductor is used.
- Please Recycle: For information on how to recycle LED electronic products or removed lamps, please visit www.epa.gov.





FLEXWATT SETTINGS

Simply open the fixture, and adjust the 3-position slide switch with your fingers.

FLEXWATT LUMENS @ 3500K

SIZE	POSITION 1	POSITION 2	POSITION 3
2 FT	6W (706LM)	9W (1063LM)	12W (1419LM)
3 FT	10W (1335LM)	12W (1648LM)	10W (1961LM)
4 FT	10W (1344LM)	10W (2255LM)	25W (3166LM)

FLEXCOLOR SETTINGS

Simply open the fixture, and adjust the 3-position slide switch with your fingers.

FLEXCOLOR SWITCH POSITION

COLOR TEMPS	POSITION 1	POSITION 2	POSITION 3
WARM (WC2)	2700K	3000K	3500K
STANDARD (WC)	3500K	4000K	5000K

LINKABLE BAR / INTERNAL DRIVER (LBI)

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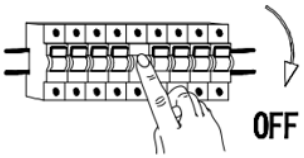


INSTALLATION FOR RETROFIT OR FIXTURE

1. Disconnect or turn off power before installation.
   If applicable: adjust the FlexWatt and/or FlexColor switches to desired wattage/lumen package and CCT.
   **Note: that not all models have these adjustments. Check your part # and product specification sheet for more details.*
2. Install the magnetic mounting clips or the suspension mounting brackets on to the ceiling.
3. There are two types of wiring methods:
   1. Use LBI incoming power cable at Input side (sold separately).
   2. Use the LBI Junction Box to hard wire (sold separately).

   Make the electrical connection to the fixture in accordance with local electrical code.
   Make all necessary wiring connections, observing proper voltage and polarity.
4. Reconnect power, the light will be on.
5. Adjust settings of the motion sensor (OCC) if desired. See separate instruction sheet for details.

SUPPLIED ACCESSORIES

2X Surface Mount Magnetic Clips (w/ easy bend and break lines)

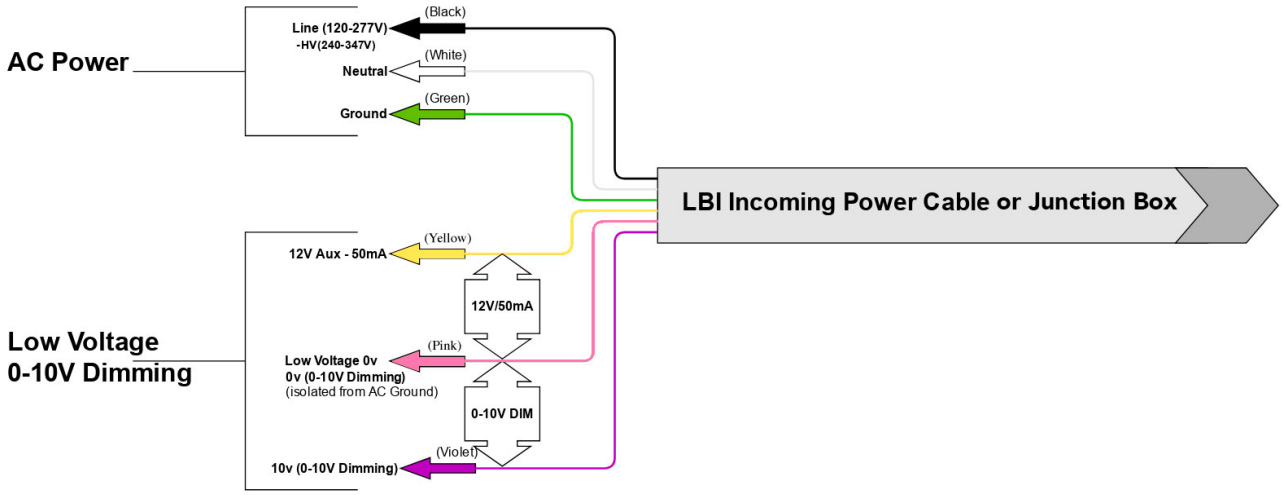
4X 1/4" hex head-self drilling screws

1X Flex setting cover

LINKABLE BAR / INTERNAL DRIVER (LBI)

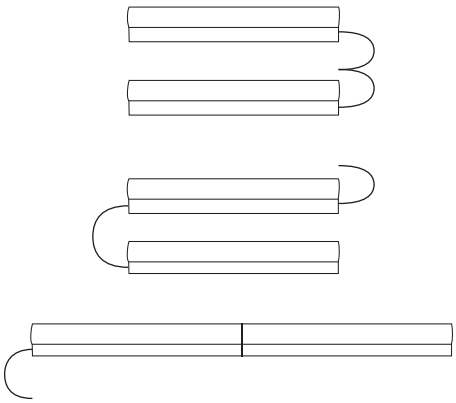
WIRING DIAGRAM*

*Cables manufactured before Jan 1st 2023 will have an alternate color code. Where Yellow = Red and Pink = Gray.



IMPORTANT NOTE ON WIRING METHOD

As you will see on the following pages, there are many possible uses for The Linear Transformer. If your application calls for multiple light bars in a single fixture, there a 2 possible ways to order and wire (see below).



PARALLEL
Multiple incoming power cables can be grouped together under the ballast cover to make connection to incoming power and controls.

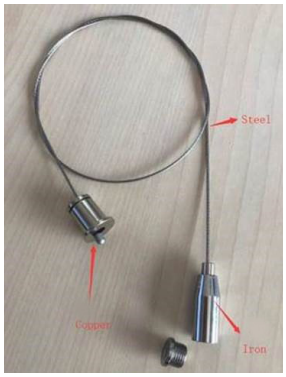
SERIES (WITH LINKING CABLE)
This method is the fastest. The first light bar uses an incoming power cable, additional light bars are linked using "linking cables" which are available in a variety of lengths. Linking cable are sold separately.

SERIES (WITH SEAMLESS CONNECTOR)
This method provides a near seamless appearance between the bars. The first light bar uses an incoming power cable, additional light bars are linked using "seamless connectors" which are sold separately.

LBI COMMON INSTALLATIONS

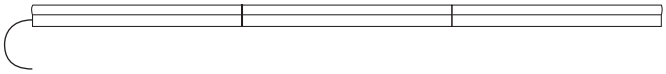
SUSPENDED IN-LINE KIT

*Linking cable not included in Suspended In Line Kit



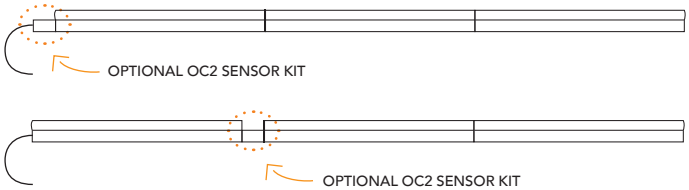
RECOMMENDED INSTALLATION

CONTINUOUS RUN



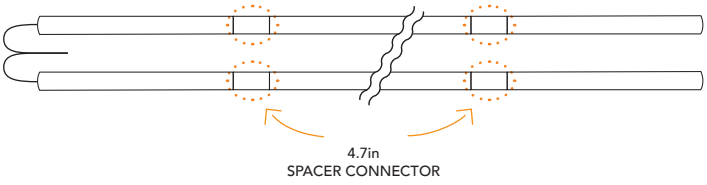
CONTINUOUS RUN WITH OPTIONAL OC2 SENSOR KIT

OC2 Sensor can be installed on either end or in between any bars

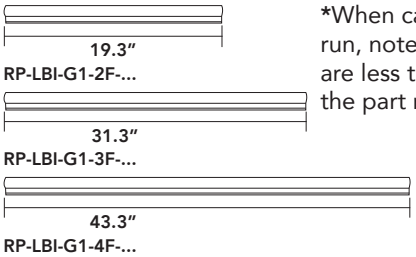


CONTINUOUS RUN WITH SPACER CONNECT

Ideal for retrofitting fixtures of standard length



DIMENSIONS



*When calculating continuous run, note that actual lengths are less than what is stated in the part number.

ACCESSORIES

SEAMLESS CONNECTOR*

RP-LBI-SSC-DIM (sold separately)
Links the OCC control signal to all bars.

RP-LBI-SSC-NODIM (sold separately)
Isolates each OCC control group within the continuous run.

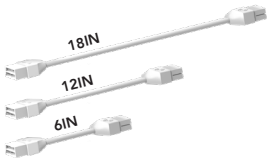
*All continuous run installations require seamless connectors.

SUSPENDED IN-LINE BRACKET KIT

RP-LBI-SIL (sold separately)
Recommended qty = number of bars + 1

12FT 90-DEGREE INCOMING POWER CABLE

RP-LBI-G1-IP-90DEG-12F-DIM



LINKING CABLES*

RP-LBI-LC-6IN-DIM
RP-LBI-LC-6IN-NODIM

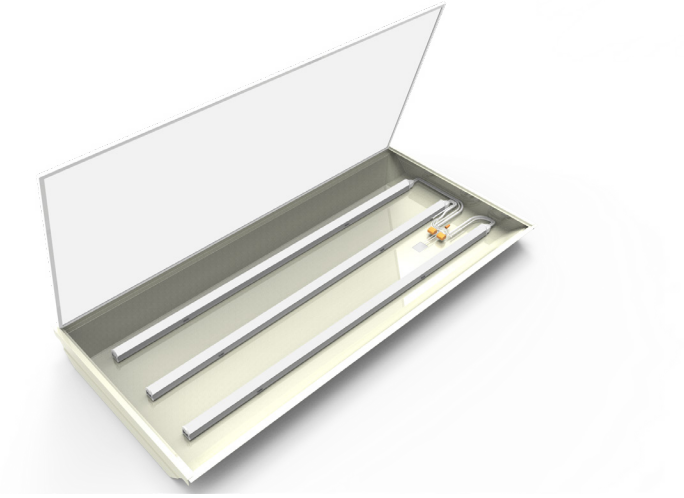
RP-LBI-LC-12IN-DIM
RP-LBI-LC-12IN-NODIM

RP-LBI-LC-18IN-DIM
RP-LBI-LC-18IN-NODIM

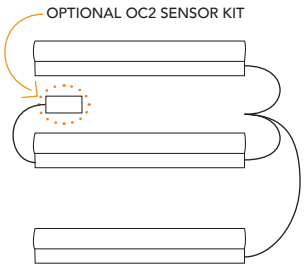
* Choose the appropriate linking cable length based on the dimensions of your fixture.

LBI COMMON INSTALLATIONS

RETROFIT TROFFERS

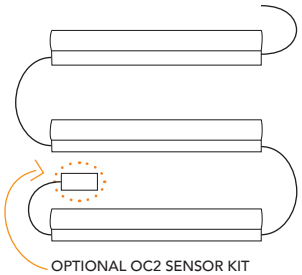


RECOMMENDED INSTALLATION



PARALLEL

This method is the most cost effective. Each light bar comes with its own incoming power cable. Multiple incoming power cables are connected together under the ballast cover.

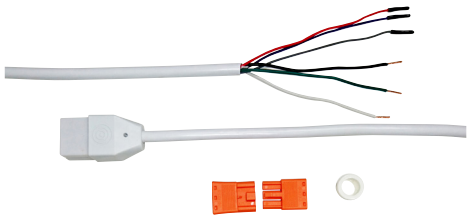


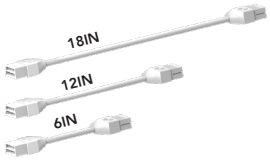
SERIES

This method is the fastest. The first light bar uses an incoming power cable, additional light bars are linked using "linking cables" which are available in a variety of lengths. Linking cables are sold separately.

ACCESSORIES

INCOMING POWER CABLES





LINKING CABLES*

RP-LBI-LC-6IN-DIM
RP-LBI-LC-6IN-NODIM

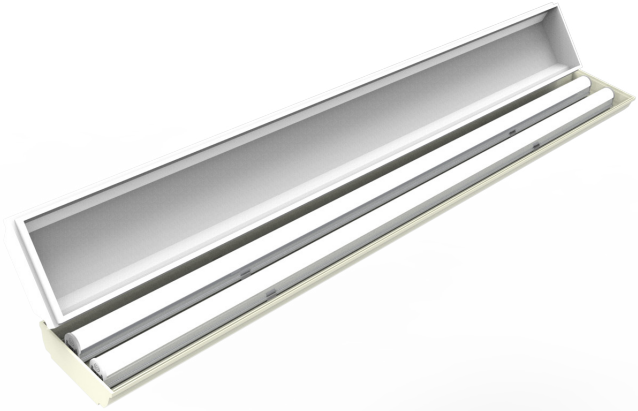
RP-LBI-LC-12IN-DIM
RP-LBI-LC-12IN-NODIM

RP-LBI-LC-18IN-DIM
RP-LBI-LC-18IN-NODIM

* Choose the appropriate linking cable length based on the dimensions of your fixture.

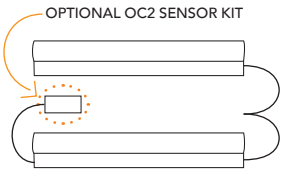
LBI COMMON INSTALLATIONS

RETROFIT LINEAR FIXTURES



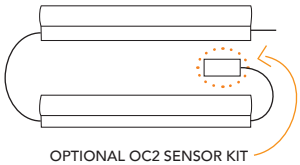
* Example Retrofit. Fixture not included.

RECOMMENDED INSTALLATION



PARALLEL

Multiple incoming power cables are connected together under the ballast cover.



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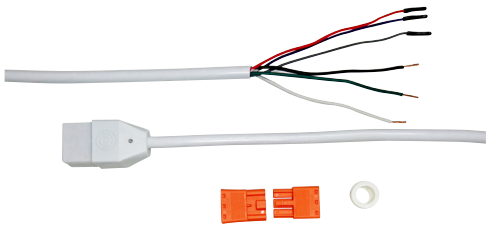
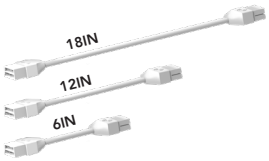
ACCESSORIES

INCOMING POWER CABLES





LINKING CABLES*

RP-LBI-LC-6IN-DIM
RP-LBI-LC-6IN-NODIM

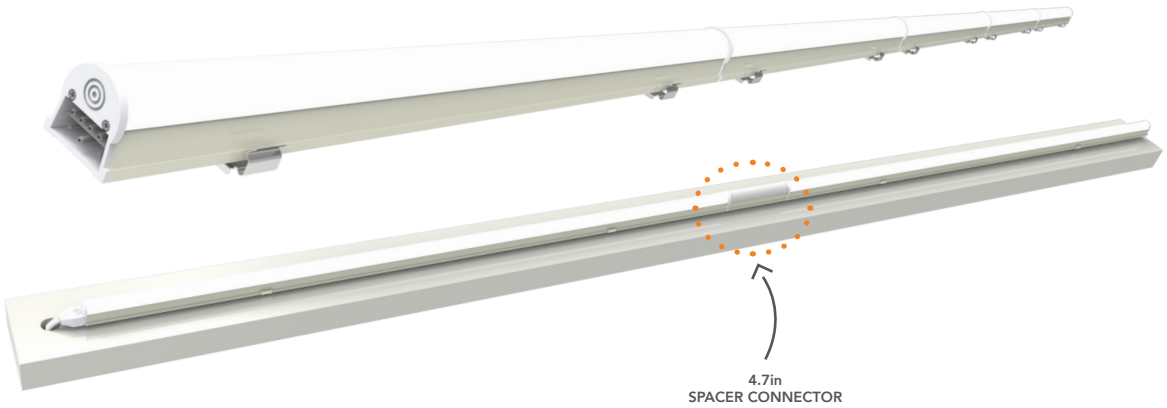
RP-LBI-LC-12IN-DIM
RP-LBI-LC-12IN-NODIM

RP-LBI-LC-18IN-DIM
RP-LBI-LC-18IN-NODIM

* Choose the appropriate linking cable length based on the dimensions of your fixture.

LBI COMMON INSTALLATIONS

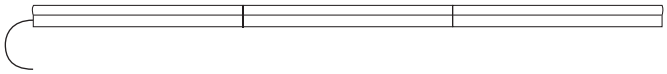
CONTINUOUS RUN FIXTURES / RETROFIT



* Example Retrofit. Fixture not included.

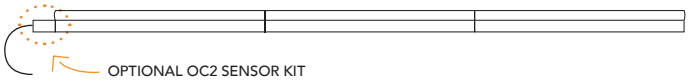
RECOMMENDED INSTALLATION

CONTINUOUS RUN



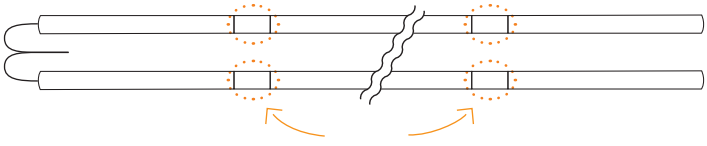
CONTINUOUS RUN WITH OPTIONAL OC2 SENSOR KIT

OC2 Sensor can be installed on either end or in between any bars

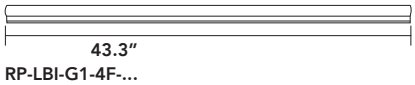


CONTINUOUS RUN WITH SPACER CONNECT

Ideal for retrofitting fixtures of standard length



DIMENSIONS



RP-LBI-G1-4F-...

ACCESSORIES

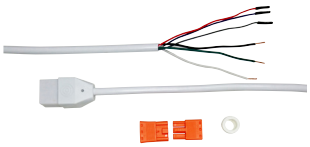
SEAMLESS CONNECTOR

SURFACE MOUNT MAGNETIC CLIP

SUSPENDED IN-LINE KIT

UP DOWN CLIP

4.7IN SPACER CONNECTOR

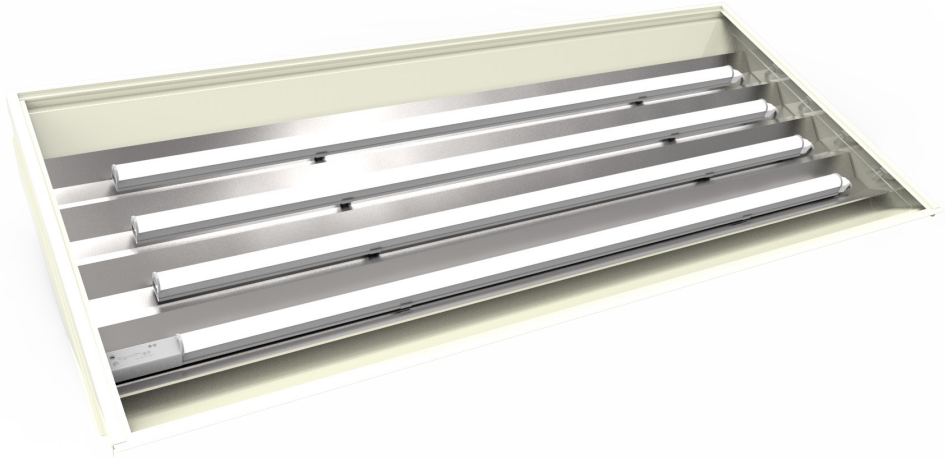


INCOMING POWER CABLES

*Connect up to 40 units on one incoming power cable (Check linking chart for voltage specific linking quantity)

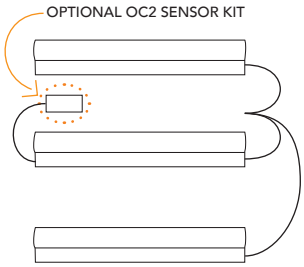
LBI COMMON INSTALLATIONS

HIGH BAY FIXTURE / RETROFIT



* Example Retrofit. Fixture not included.

RECOMMENDED INSTALLATION



PARALLEL

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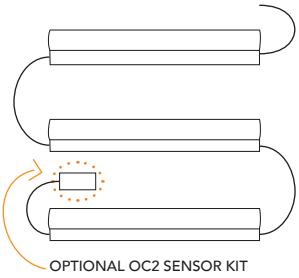


SERIES

This method is the fastest. The first light bar uses an incoming power cable, additional light bars are linked using "linking cables" which are available in a variety of lengths. Linking cables are sold separately.

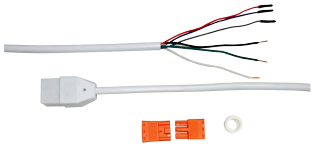
You can choose to purchase Light Bars only and hang/mount as a standalone fixture or retrofit an existing high bay fixture housing as shown above.

ACCESSORIES

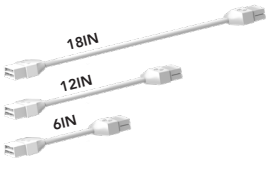
BLADE CLIP

RP-LBI-BLC-10P

The Blade Clip is designed to provide a retrofit solution for fixtures that have thin sheet metal or plastic film reflectors commonly found on high bay fixtures. It is common to attach the blade to the same point holding the thin reflector to the fixture frame.



INCOMING POWER CABLES



LINKING CABLES*

RP-LBI-LC-6IN-DIM
RP-LBI-LC-6IN-NODIM

RP-LBI-LC-12IN-DIM
RP-LBI-LC-12IN-NODIM

RP-LBI-LC-18IN-DIM
RP-LBI-LC-18IN-NODIM

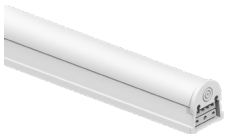
* Choose the appropriate linking cable length based on the dimensions of your fixture.

LBI COMMON INSTALLATIONS

STAIRWELL FIXTURE KIT / UTILITY FIXTURE

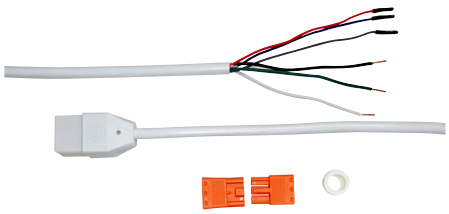
* Example Retrofit. Fixture not included.

STAIRWELL FIXTURE KIT INCLUDES



ORDERING #
2FT: RP-LBI-2F-12W-40K-W-OC2
4FT: RP-LBI-4F-15W-40K-W-OC2

1 - INCOMING POWER CABLE



1 - OC2 SENSOR KIT
RP-LBI-OC2
Sensor + Seamless Connector-DIM

UTILITY FIXTURE

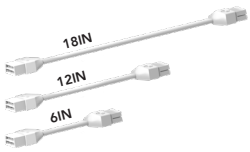
To use as a standalone utility fixture, purchase 1X Light Bar kit and 1X incoming power cable kit.

Fixture housings to be used as wiring and emergency battery compartment currently in development. Call for more information.

DEFAULT OCC SENSOR SETTINGS

SENSITIVITY	DAYLIGHT SENSOR	HOLD TIME	TWILIGHT TIME	TWILIGHT LEVEL
100%	DISABLED	5 MIN	+ ∞	30%

LBI ACCESSORIES



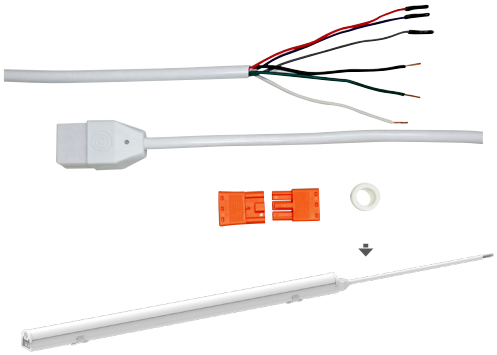
LINKING CABLES

RP-LBI-LC-6IN-DIM-10P
RP-LBI-LC-6IN-NODIM-10P

RP-LBI-LC-12IN-DIM-10P
RP-LBI-LC-12IN-NODIM-10P

RP-LBI-LC-18IN-DIM-10P
RP-LBI-LC-18IN-NODIM-10P

INCOMING POWER KIT: RP-LBI-G1-IP-3F-DIM



DIM

SEAMLESS CONNECTOR

RP-LBI-SSC-DIM-10P
RP-LBI-SSC-NODIM-10P

NO-DIM

LINKING CABLES & SEAMLESS CONNECTORS

Use Linking Cables and Seamless Connectors to easily connect the power and control wires from one light bar to another. The **…-DIM** version of the linking cables and seamless connector link all connections (AC power; 12V Aux power; 0-10V DIM signal) from light bar to light bar. Use these items to control all light bars from one sensor or incoming cable connection. The **…-NODIM** version of these items only links the AC power. Use these items to AC power all light bars with a single power feed; but separate control signals into individual groups.

4.7IN SPACER CONNECTOR | RP-LBI-SRC-4.7IN (SINGLE PACK)

Use the 4.7in Spacer Connector to bring the length of the bar system to a standard dimension (24in, 36in, 48in). This is useful when retrofitting linear fixtures of a standard length. It allows for the bar to be centered on each standard-length fixture. Each 4.7in spacer connector comes with (2) Seamless Connector-DIM.

***Note: spacer does not emit light**

SENSOR KITS | RP-LBI-OC2-A **(STANDARD RANGE - SINGLE PACK)**
RP-LBI-OC3-A_LR **(LIMITED RANGE - SINGLE PACK)**

Sensors kits for LBI are Tri-Level, remote controllable high frequency radar sensor designed to easily integrate with the LBI bars. It is totally plug&play! It can dim the light bars down to conserve more energy from both motion and daylight. The sensor controls the 0-10V DIM signal in both directions from the Sensor unit. Each sensor kit comes with (1) sensor (4.7 inch); (1) surface mount magnetic clip; (2) Seamless Connector-DIM; (1) 12" Linking Cable-DIM. See **RP-LBI-OC2-A/OC3-A** data sheet for more details.

SURFACE MOUNT MAGNETIC CLIP | RP-LBI-SMM-10P (10 PACK ONLY)

The Surface Mount Magnetic Clip provides the most universal method for attaching the light bar to a wall, ceiling, or fixture to be retrofitted. The mounting tabs that extend perpendicularly from the light bar can be easily removed by bending and breaking on the pre-scored line. The strong rare-earth magnets are intended to hold light bars in place while installing mechanical fasteners. Not intended for permanent installation with magnets only.
Two of these clips are included in each light bar kit.

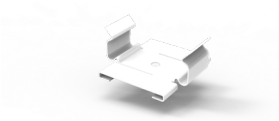
SUSPENDED IN-LINE KIT | RP-LBI-SIL-KIT-10P (10 PACK ONLY)

The Suspended In-Line Kit includes everything needed to suspend LBI from the ceiling.
The complete kit includes: Suspended In-Line Bracket, Aircraft Cable (9.8ft), Adjustable cable gripper, and a ceiling anchor.

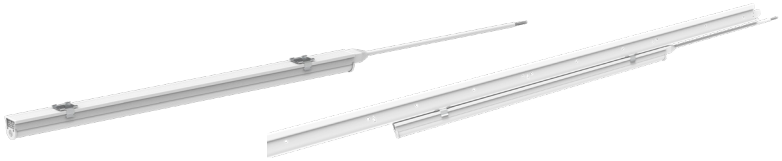
SUSPENDED IN-LINE BRACKET (*BRACKET ONLY*) | RP-LBI-SIL-BRACKET-10P (10 PACK ONLY)

The Suspended In-Line Bracket (bracket only) is a wide clip that fastens over the junction between 2 LBI light bars to keep them straight in-line and provides mounting points for common suspension methods (air craft cable, drop chain, etc.) This part number is for the bracket only.

LBI ACCESSORIES



T-BAR CLIPS | RP-LBI-T1516-10P **(PARALLEL – DIRECTLY UNDER THE T-BAR – 10 PACK)**
RP-LBI-T1516-90-10P **(PERPENDICULAR – ACROSS THE BAR – 10 PACK)**
The T-Bar Clips is the fastest way to mount a light bar to a T-Bar grid ceiling. Works with standard 15/16" grid only.



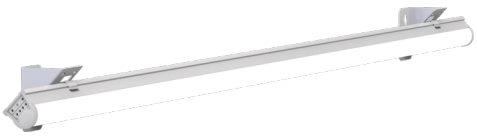
TWO-WAY CLIP | RP-LBI-TWC-10P **(10 PACK ONLY)**
The Two-Way Clip is designed to to mount two LBI back to back.

BLADE CLIP | RP-LBI-BLC-10P **(10 PACK ONLY)**
The Blade Clip is designed to provide a retrofit solution for fixtures that have thin sheet metal or plastic film reflectors commonly found on high bay fixtures. The rotating mounting blade provides a degree of freedom to align the mounting holes on the blade with fastening locations that may not be in-line with the light bar or where the distance between available mounting points is greater than the length of the light bar. It is common to attach the blade to the same point holding the thin reflector to the fixture frame.

UP DOWN CLIP | RP-LBI-UDC-10P **(10 PACK ONLY)**
Use the Up/Down clip with our suspended in-line kit to clip a shorter bar to provide up-light. For example if suspending a 4ft, use the 3ft OR 2ft as the up-light, (so there is room for the suspension-kit connection). The RP-LBI-SIL-KIT comes with wire clips to hold linking power cable for UP bars in-line and neat. (linking cable not included)

LBI JUNCTION BOX | RP-LBI-JBOX-1.5X4
The LBI junction box is used to connect LBI wiring to branch circuits. Connections are made from the LBI Junction box to the Light Bar using seamless connector or linking cable. The internal wiring (except optional switch) are rated to 600V (for 347V operation) For undercabinet or task lighting, the junction box includes an optional 120V ON/OFF switch that can be installed into a rectangular knock-out on the cover. Kit includes 1pc RP-LBI-SSC-DIM.

12FT 90-DEGREE INCOMING POWER CABLE | RP-LBI-G1-IP-90DEG-12F-DIM
Use the 90 degree Incoming Power Cable for an easy and clean connection to suspended LBI fixtures.

OUTPUT CAP | RP-LBI-G2-OUTPUT-CAP-10P
Male power and control termination plug for the LBI linking connector 10 pack.

45 DEGREE BRACKET | RP-LBI-45DEG
45 degree bracket for cove lighting or displays. Works with included LBI mounting clips.