

IHBE Industrial High Bay LED Luminaires

Installation & Maintenance Information

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

APPLICATION

IHBE Industrial High Bay LED Luminaires are suitable for use in the following ordinary (unclassified) locations as defined by the National Electrical Code (NEC®):

- Wet Location

UL Standards:

- UL1598 Luminaires

CSA Standard:

- CSA C22.2 No. 250

CONFIGURATIONS

- 10L, 13L, 15L, 20L, 25L, 30L, 35L, 50L

Refer to the luminaires nameplate for specific maximum ambient temperature suitability and corresponding minimum supply conductor temperature.

IHBE Industrial High Bay voltage ranges:

- UNV1: 120-277 VAC
- UNV34: 277-480 VAC
- 50/60 Hz

⚠ WARNING

To avoid the risk of fire, explosion or electric shock, this product should be installed, inspected and maintained by a qualified electrician only, in accordance with all applicable electrical codes. *Verify power wire (SOOW cable) is in accordance with all applicable electrical codes.

⚠ WARNING

To avoid electric shock:

- Be certain electrical power is OFF before and during installation and maintenance.
- Luminaires must be supplied by a wiring system suitable per local code with an equipment grounding conductor.

To avoid burning hands:

- Prior to performing maintenance, ensure Luminaire is allowed to cool after power off for a period of 10 minutes.

⚠ WARNING

To avoid product degradation:

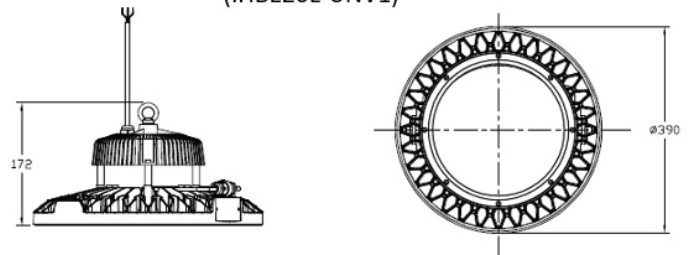
- Do not operate in ambient temperatures above those indicated on the luminaire nameplate.
- Use proper supply wiring as specified on the luminaire nameplate.
- Avoid use in environments containing sulfur, chlorine or other halides, methyl acetate or ethyl acetate, cyanoacrylates, glycol ethers, formaldehyde or butadiene.
- Mount luminaire no less than 36 inches from ceiling.
- Make sure the supply voltage is within the voltage range stated on the nameplate.
- Use only replacement parts from Crouse-Hinds.
- Aircraft cable mounting is recommended for dry locations only.
- Use only Crouse-Hinds or equivalent parts for mounting luminaire.



Product size: $\varnothing 300 \times 118.5 \text{ mm}$
(IHBE10L-UNV1, IHBE13L-UNV1, IHBE15L-UNV1)



Product size: $\varnothing 300 \times 153.5 \text{ mm}$
(IHBE20L-UNV1)



Product size: $\varnothing 390 \times 172 \text{ mm}$
(IHBE25L-UNV1, IHBE30L-UNV1)

Figure 1

MOUNTING

For catalogs IHBE10L-UNV1, IHBE13L-UNV1, IHBE15L-UNV1, IHBE20L-UNV1, IHBE25L-UNV1, IHBE30L-UNV1 (Refer to Figure 1).

Pendant Eyebolt Mounting:

1. Install the lifting ring to the driver as shown in Figure 2.
2. Buckle the installation buckle on the lifting chain into the lifting ring of the lamp as shown in Figure 3.

Ceiling Mounting:

1. Install the fixings of the ceiling mounting bracket to the back of the lamp as shown in Figure 4.
2. Connect the ceiling mounting bracket with the mounting bracket fixing parts as shown in Figure 5.
3. Fix the lamp mounting bracket to the mounting surface with bolts and nuts as shown in Figure 6. Refer to IHBE-S812-K1 trunnion mount kit 300mm IF sheet while installing.
4. Connect the power line with the input line of lamp driving power through connector as shown in Figure 7.

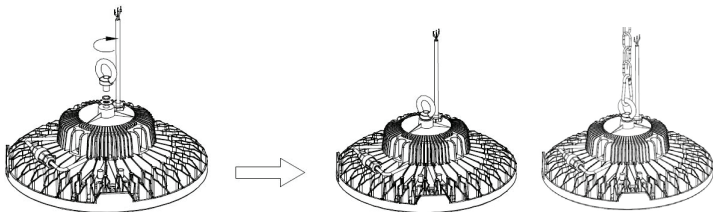


Figure 2

Figure 3

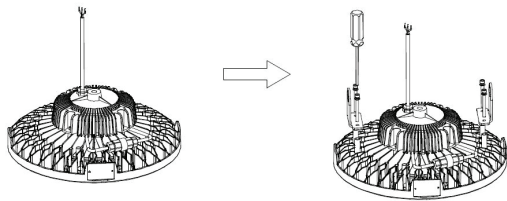


Figure 4

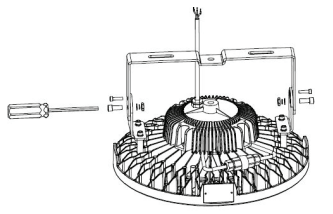


Figure 5

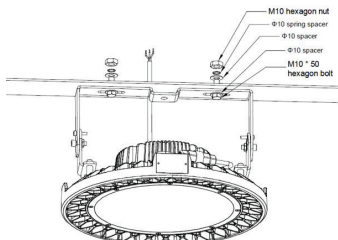


Figure 6

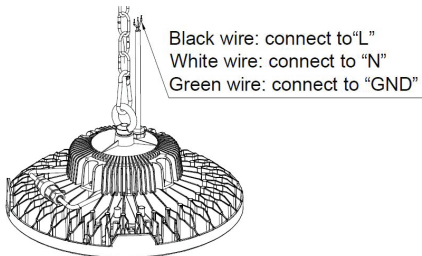


Figure 7

MOUNTING

For catalogs IHBE10L-UNV34, IHBE13L-UNV34, IHBE15L-UNV34, IHBE20L-UNV34, IHBE25L-UNV34, IHBE30L-UNV34, IHBE35L-UNV1, IHBE35L-UNV34, IHBE50L-UNV1, IHBE50L-UNV34 (Refer to Figure 8).

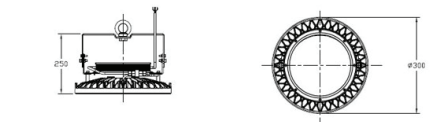
Pendant Eyebolt Mounting:

1. Loosen the fixing screws on both sides of the mounting bracket with an internal hexagon screw driver as shown in Figure 9 and adjust the position of the mounting bracket to make it easy to install.
2. Buckle the installation buckle on the lifting chain into the lifting ring of the lamp as shown in Figure 10.

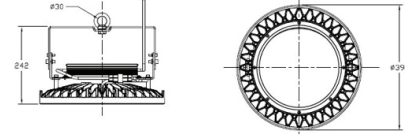
Ceiling Mounting:

1. Remove the lifting ring on the lamp mounting bracket as shown in Figure 11.
2. Fix the lamp mounting bracket to the mounting surface with bolts and nuts as shown in Figure 12.

Connect the power line with the input line of lamp driving power through connector as shown in Figure 13 and Figure 14.



Product size: Ø 300*250mm
(IHBE10L-UNV34, IHBE13L-UNV34, IHBE15L-UNV34, IHBE20L-UNV34)



Product size: Ø 390*242mm
(IHBE25L-UNV34, IHBE30L-UNV34, IHBE35L-UNV1, IHBE35L-UNV34, IHBE50L-UNV1, IHBE50L-UNV34)

Figure 8

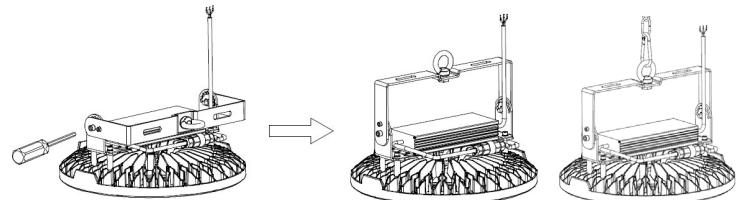


Figure 9

Figure 10

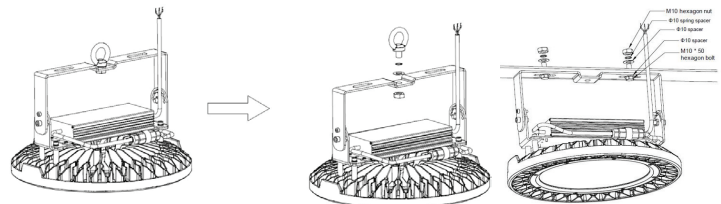


Figure 11

Figure 12

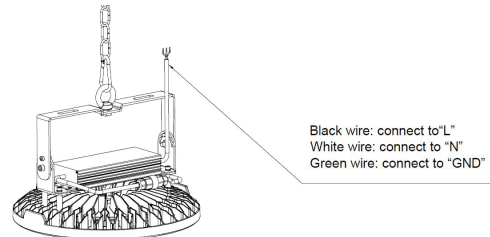


Figure 13

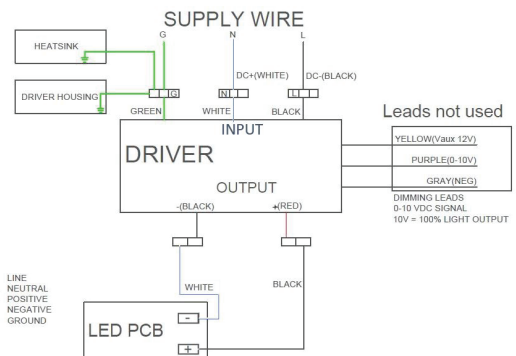


Figure 14

DRIVER REPLACEMENT

For catalogs, IHBE10L-UNV1, IHBE13L-UNV1, IHBE15L-UNV1, IHBE20L-UNV1, IHBE25L-UNV1, IHBE30L-UNV1

1. Loosen the fixing screw on the R-type fixing device which is used to fix the i-connector head with an internal hexagon screw driver, and then remove the R-type fixing device as shown in Figure 15.
2. Screw off the I-type connector and remove the drive power output terminal wire from the I-type connector as shown in Figure 16.
3. Turn the lifting ring on the top of the power supply anti-clockwise to remove it. Loosen the fixing screws at the four corners of the driving power supply with an internal hexagonal screwdriver to remove the driving power supply from the lamp as shown in Figure 17.
4. Take the driving power that needs to be replaced and reverse the above steps to install the driving power supply to the lamp as shown in Figure 18.

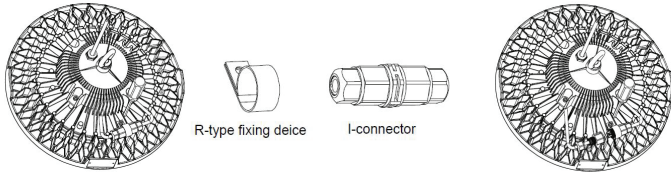


Figure 15

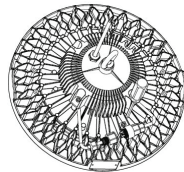


Figure 16

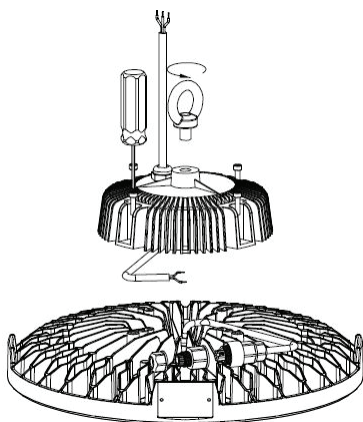
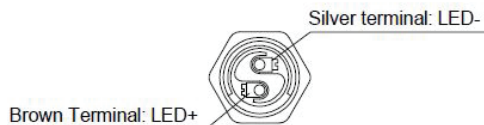


Figure 17



Silver terminal: one end is connected with the black "-" pole wire at the LED end of the lamp, and the other end is connected with the blue "-" pole wire at the output end of the driving power supply

Brown terminal: one end is connected with the white "+" lead at the LED end of the lamp, and the other end is connected with the red "+" lead at the output end of the driving power supply

Figure 18

For catalogs IHBE10L-UNV34, IHBE13L-UNV34, IHBE15L-UNV34, IHBE20L-UNV34, IHBE25L-UNV34, IHBE30L-UNV34, IHBE35L-UNV1, IHBE35L-UNV34, IHBE50L-UNV1, IHBE50L-UNV34

1. Device which is used to fix the i-connector head with an internal hexagon screw driver, and then remove the R-type fixing device as shown in Figure 19.
2. Screw off the I-type connector and remove the drive power output terminal wire from the I-type connector as shown in Figure 20.
3. Loosen the fixing screws at the four corners of the driving power supply with a cross screwdriver and remove the driving power supply from the lamp as shown in Figure 21.
4. Take the driving power that needs to be replaced and reverse the above steps to install the driving power supply to the lamp as shown in Figure 18.

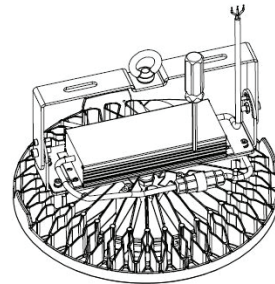


Figure 19

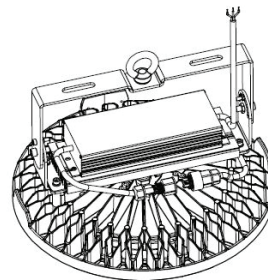


Figure 20

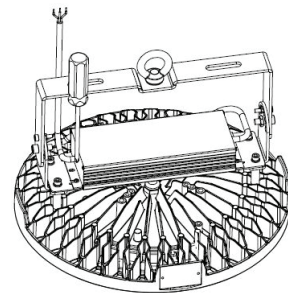


Figure 21

MAINTENANCE

1. Perform visual, electrical and mechanical inspections on a regular basis. The environment and frequency of use should determine this. However, it is recommended that checks be made at least once a year. We recommend an Electrical Preventive Maintenance Program as described in the National Fire Protection Association Bulletin NFPA No. 70B: Recommended Practice For Electrical Equipment Maintenance (www.nfpa.org).
2. The lens should be cleaned periodically to ensure continued lighting performance. To clean, wipe the lens with a clean, damp cloth. If this is not sufficient, use a mild soap or a liquid cleaner such as Collinite NCF or Duco #7. Do not use an abrasive, strong alkaline, or acid cleaner. Damage may result.
3. Visually check for undue heating evidenced by discoloration of wires or other components, damaged parts or leakage evidenced by water or corrosion in the interior. Replace all worn, damaged or malfunctioning components before putting the luminaire back into service.
4. Electrically check to make sure that all connections are clean and tight.
5. Mechanically check that all parts are properly assembled.
6. Luminaire should be dusted periodically to avoid build-up of dust and overheating the fixture.

REPLACEMENT PARTS

IHBE Luminaires are designed to provide years of reliable lighting performance. However, should the need for replacement parts arise, they are available through your authorized Crouse-Hinds distributor. Assistance may also be obtained through your local Crouse-Hinds representative.

Eaton's Crouse-Hinds Division Sales Service Department, 1201 Wolf Street, Syracuse, New York 13208, Phone (866) 764-5454.

ACCESSORY KITS

KIT	DESCRIPTION
IHBE-S812-K1	IHBE -Trunnion Mount Kit-300mm
IHBE-S812-K2	IHBE - Trunnion Mount Kit 390MM
IHBE-CORD	IHBE - 10 Feet of Extended Wire Cord
IHBE-REFLECT1	IHBE - Aluminium Reflector - 30mm
IHBE-REFLECT2	IHBE - Aluminium Reflector - 390mm
IHBE-GUARD1	IHBE - Metal Wire Guard - 300mm
IHBE-GUARD2	IHBE - Metal Wire Guard - 390mm
IHBE-S831 KIT	IHBE - 3 Feet Safety Cable with Jay Hooks
IHBE-OC-SENSOR	IHBE Occupancy Sensor
IHBE-REMOTE	IHBE Occupancy Sensor Remote
IHBE-PHOTOCEL	IHBE Photo Cell

DRIVER REPLACEMENT KITS

Catalog number	Driver replacement kit
IHBE10L-UNV1	IHBE-10L-UNV1-DRIVER-KIT
IHBE13L-UNV1	IHBE-13L-UNV1-DRIVER-KIT
IHBE15L-UNV1	IHBE-15L-UNV1-DRIVER-KIT
IHBE20L-UNV1	IHBE-20L-UNV1-DRIVER-KIT
IHBE25L-UNV1	IHBE-25L-UNV1-DRIVER-KIT
IHBE30L-UNV1	IHBE-30L-UNV1-DRIVER-KIT
IHBE35L-UNV1	IHBE-35L-UNV1-DRIVER-KIT
IHBE50L-UNV1	IHBE-50L-UNV1-DRIVER-KIT
IHBE10L-UNV34	IHBE-10L-UNV34-DRIVER-KIT
IHBE13L-UNV34	IHBE-13L-UNV34-DRIVER-KIT
IHBE15L-UNV34	IHBE-15L-UNV34-DRIVER-KIT
IHBE20L-UNV34	IHBE-20L-UNV34-DRIVER-KIT
IHBE25L-UNV34	IHBE-25L-UNV34-DRIVER-KIT
IHBE30L-UNV34	IHBE-30L-UNV34-DRIVER-KIT
IHBE35L-UNV34	IHBE-35L-UNV34-DRIVER-KIT
IHBE50L-UNV34	IHBE-50L-UNV34-DRIVER-KIT

All statements, technical information and recommendations contained herein are based on information and tests we believe to be reliable. The accuracy or completeness thereof are not guaranteed. In accordance with Eaton's Crouse-Hinds Division's "Terms and Conditions of Sale," and since conditions of use are outside our control, the purchaser should determine the suitability of the product for his intended use and assumes all risk and liability whatsoever in connection therewith.