HBHS1 Field Installation Instructions
Instruction Number: P-INT-399

**WARNING!**
Risk of fire or electric shock. To reduce risk of electrical shock, turn off power supply before installation or servicing.

1. Field installers are responsible for recognizing specific site requirements and making adjustments to assure a complete, functional installation.

2. Make all power connections using UL listed components.

3. Electrical connections must be made by a qualified electrician and in accordance with NEC and local codes.

Use this instruction to install the fixture end cap kit in the field.

**LED-HBHS-EC01-KIT Components**

1. (2) End Caps
2. Hardware for End Caps (4)

**Tools Required for Installation**

-Cordless drill

**Step-by-Step Instructions**

1. Unpack kit components. See Fig. 1 for HBHS1 without end cap installed.
2. Place end cap onto fixture arm bar as shown in Fig. 2.
3. Screw end cap securely into place with hardware provided. (See Fig. 3)
4. Repeat Step 2 and Step 3 on opposite end of fixture.
5. Proceed to mount fixture per customer selected mounting method and complete electrical connections to NEC/local code.

Use this instruction to install the lens kit in the field.

**LED-HBHS-LF01-KIT Components**

1. Lens, Frosted Acrylic
2. (2) End Caps
3. Hardware for End Caps (4)

**Tools Required for Installation**

-Cordless drill

**Step-by-Step Instructions**

1. Unpack kit components. Follow Step 2 and Step 3 from end cap kit installation above.
2. Remove film from both sides of the lens. Insert lens into fixture body with shiny side of lens facing away from the fixture. (See Fig. 1a)
3. Complete installation of end cap as seen in Fig. 2a.
4. Proceed to mount fixture per customer selected mounting method and complete electrical connections to NEC/local code.
HBHS1 Field Installation Instructions

Use this instruction to install the OESC sensor bracket kit in the field.

LED-HBHS-SB01-KIT Components
1  OESC style sensor bracket, to be used with an OESC sensor
2  Hardware for bracket (8)
3  OESC sensor (sold separately and shown for demonstration of bracket install)

Tools Required for Installation
-Cordless drill

Step-by-Step Instructions
1  Unpack kit components.
2  Place sensor bracket over fixture arm bar on end of fixture nearest to power connection (See Fig. 1b)
3  Install bracket with provided hardware on the back and front sides of the bracket. (See circled areas on Fig. 2b for hardware front installation and circled areas on Fig. 3b for hardware installation on back of bracket, both sides of bracket need to be secured)
4  Once bracket is secured to arm bar, mount OESC sensor box to bracket as shown in Fig. 4b to both sides of the bracket.
5  Proceed to mount fixture per customer selected mounting method and complete electrical connections to NEC/local code.

Use this instruction to install the aisle application kit in the field.

LED-HBHS-AA01-KIT Components
1  Reflector
2  Hardware for reflector (2)

Tools Required for Installation
-Cordless drill

Step-by-Step Instructions
1  Unpack kit components.
2  See Fig. 1c for example of predrilled designated holes (circled). Place aisle reflector between LED arrays over predrilled designated mounting holes. (See Fig. 2c)
3  Screw aisle reflector into place with provided hardware. (See Fig. 3c)
4  Proceed to mount fixture per customer selected mounting method and complete electrical connections to NEC/local code.
Use this instruction to install a fixture wireguard in the field for the HBHS1 product series.

Components
1. HBHS1 Series Fixture (ordered separately)
2. LED-HBHS-WG01-KIT-SP or LED-HBHS-WG01-KIT
   NOTE: Kit includes: Fixture wireguard, hardware (4 flanged nuts, 4 flanged hex screws) (See Fig. A for provided hardware)

Tools Required for Installation
- Cordless Drill with deep well socket attachment

WARNING!
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Step-by-Step Instructions
1. Unpack components.
2. Place wireguard onto fixture body so it is positioned over locations for screws and nuts to be installed. (See Fig. 1, Fig. 2, and Fig. 3 for wireguard placement)
3. Fasten wireguard to fixture arm bar with supplied flange hex screw (See Fig. 4). Tighten nut on back side to prevent fastener from coming loose (See Fig. 5 and Fig. 6). Repeat this step for all (4) locations.
4. OPTIONAL: To prevent driver channel from being dislodged in an impact, install self supplied fasteners at both ends of the fixture arm bars to the driver channel. (See Fig. 5 and Fig. 6) (See Fig. 7 and Fig. 8)
5. Proceed to mount fixture per customer selected mounting method and complete electrical connections to NEC/local code.
Use this instruction to install a fixture wireguard in the field for the HBHS1 product series.

Components
1. HBHS1 Series Fixture (ordered separately)
2. LED-HBHS-WG02-KIT-SP or LED-HBHS-WG02-KIT

NOTE: Kit includes: Fixture wireguard, hardware (4 self-drilling bolts) (See Fig. A for provided hardware)

Tools Required for Installation
-Cordless Drill with deep well socket attachment

WARNING! Risk of fire or electric shock. To reduce risk of electrical shock, turn off power supply before installation or servicing.

Step-by-Step Instructions
1. Unpack components.
2. Place wireguard onto fixture body so it is positioned over locations for screws and nuts to be installed. (See Fig. 1 and Fig. 2 for wireguard placement)
3. Install self-drilling bolts through wire guard into the fixture arm bar. (See Fig. 3 and Fig. 4 for locations)
4. OPTIONAL: To prevent driver channel from being dislodged in an impact, install self supplied fasteners at both ends of the fixture arm bars to the driver channel. (See Fig. 5 and Fig. 6)
5. Proceed to mount fixture per customer selected mounting method and complete electrical connections to NEC/local code.
HBHS1 G1/GA/H1/HA/I1 Fixture Wireguard Field Installation

Use this instruction to install a fixture wireguard in the field for the HBHS1 product series.

Components

1  HBHS1 Series Fixture (ordered separately)
2  LED-HBHS-WG04-KIT-SP or LED-HBHS-WG04-KIT

NOTE: Kit includes: 2 Fixture wireguards, hardware (4 bolts, 4 nuts, 4 wireguard mounting plates, 4 screws) (See Fig. A for provided hardware)

Tools Required for Installation

-Cordless Drill with deep well socket attachment

WARNING!
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Step-by-Step Instructions

1. Unpack components.
2. If fixture does not have a lens installed, move to Step 2. If fixture has a lens installed, remove end cap screws. (See Fig. 1)
3. Place wireguard mounting plate on end of the fixture. If fixture has a lens installed, use screws from Step 1 to attach wireguard mounting plate in place. If fixture does not have a lens installed, use the screws provided in the hardware kit (See Fig. 2)
4. Repeat Step 3 for the other three mounting locations.
5. Place wireguards onto the fixture so they line up with the wireguard mounting plate holes. (See Fig. 3)
6. Insert the bolt and attach the nut to the bottom of the bolt to secure the wireguard in place. (See Fig. 4 and Fig. 5)
7. Repeat Step 6 for other 7 hardware locations. (See Fig. 6 for completed assembly)
8. Proceed to mount fixture per customer selected mounting method and complete electrical connections to NEC/local code.