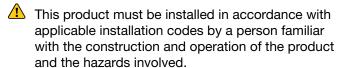
PRODUCT SAFETY

When using electrical equipment, basic safety precautions should always be followed, including the following:



READ THESE INSTRUCTIONS BEFORE USING THIS PRODUCT.



To avoid risk of electrical shock, disconnect light luminaire power before connecting BBD43 unit before installing, wiring, or servicing hardware.

If you attach a safety cable, attach it to the luminaire in accordance with all national, state, and local construction codes.

Do not use luminaire or BBD43 if the housing, suspension cables, optics, or power cables are damaged.

Do not touch or scratch the luminaire optics, as you may damage the optical coating. To clean the module, use a damp cloth and gently swab the affected area.

Handle luminaire only by the end caps. Do not grasp or handle luminaire by the light bars or BBD43 unit housing.

The light source contained in the luminaire shall only be replaced by the manufacturer, his service agent, or another qualified person.

1 The battery is non-replaceable.

Replace BBD43 unit when luminaire no longer runs for required backup time. Follow disconnect instructions and contact a Digital Lumens representative.

Note the maximum mounting height for DLE luminaires with BBD43:

- DLE-12/18/24 58 ft (17.7 m)
- DLE-48 77 ft (23.5 m)

Do not use outdoors.

Do not mount near gas or electric heaters.

Use caution when servicing batteries. Battery acid can cause burns to skin and eyes. If acid is spilled on skin or eyes, flush acid with fresh water and contact a physician immediately.

Equipment should be mounted in locations and at heights where it will not be subjected to tampering by unauthorized personnel.

The use of accessory equipment not recommended by manufacturer may cause an unsafe condition.

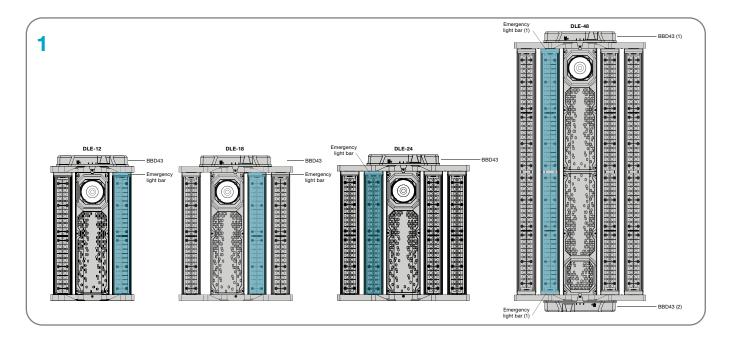
Do not use this equipment for other than its intended use.

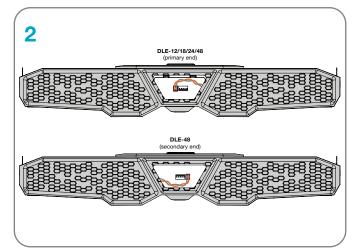


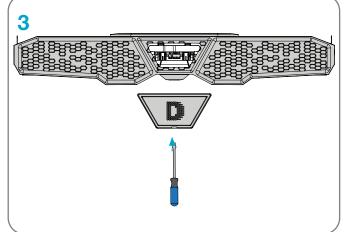
SAVE THESE INSTRUCTIONS.



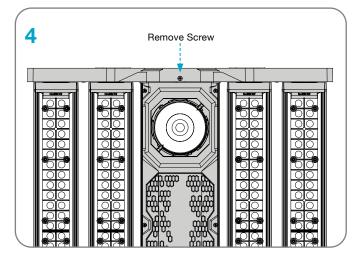
BBD43

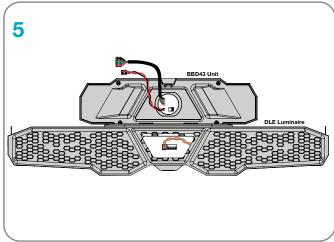


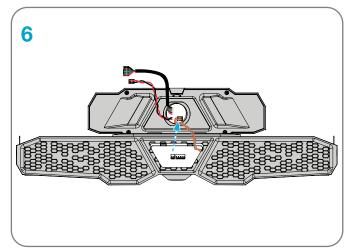


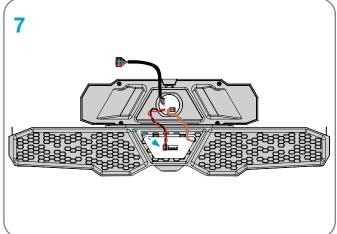


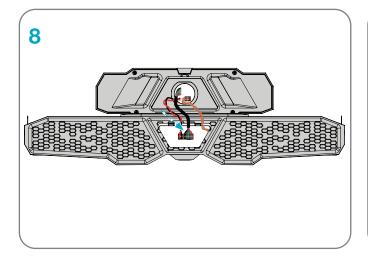
BBD43 (cont.)

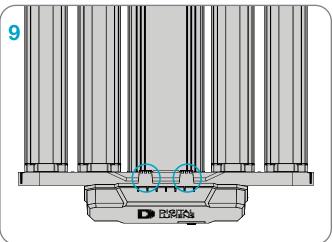




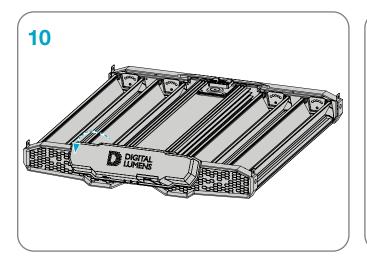


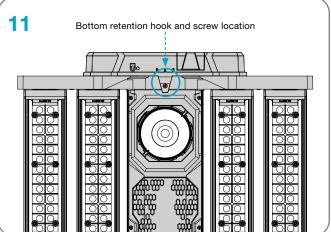


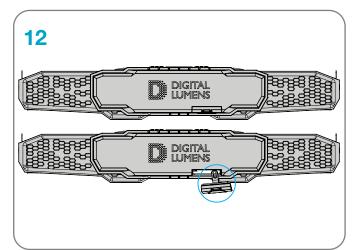


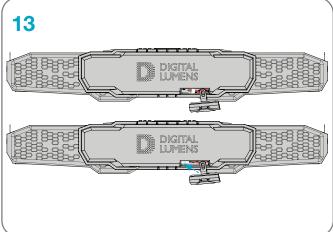


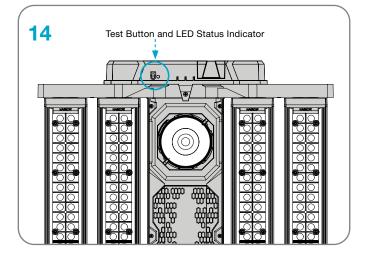
BBD43 (cont.)

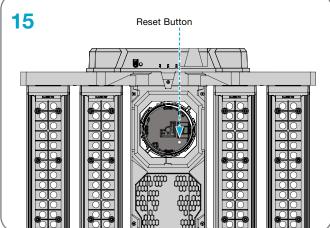












INSTALLATION INSTRUCTIONS

GETTING STARTED

Helpful Hints

BBD43 (battery backup) provides a temporary power source to DLE luminaires in the event that facility power is lost or disconnected. One BBD43 unit will provide power to a single light bar (see Note below) on a DLE luminaire for 90-180 minutes.



If you are installing BBD43 on a DLE-Uplight luminaire, verify that the emergency light bar is oriented downward (facing the floor) to ensure sufficient lighting in an emergency situation. Refer to Identifying Emergency Light Bar & BBD43 Placement to identify the emergency light bar location, and the correct placement of the BBD43 unit, for each of the DLE luminaires.



Refer to Understanding DLE Luminaire Wiring Configurations to identify slight variations within the wiring compartments on each of the DLE luminaires.

Note: Refer to Identifying Emergency Light Bar & BBD43 Placement to identify the emergency light bar location for each of the DLE luminaires. Note that the DLE-48 luminaire requires two (2x) BBD43 units, one installed on each end.

Identifying Emergency Light Bar & BBD43 Placement

Observe the location of the designated emergency light bar, and the correct placement of the BBD43 unit(s), on each DLE luminaire. If installing BBD43 on an uplight luminaire, ensure the emergency lightbar is oriented downward (facing the floor) to ensure sufficient lighting in case of an emergency (Illustration 1).

Understanding DLE Luminaire Wiring Configurations

Before you begin, observe the slight variations in the wiring configurations among the DLE luminaires (Illustration 2).

Note: Illustrations and wiring configurations in these instructions reflect the DLE-24 luminaire

Prepare Luminaire and **BBD43** Hardware

- Carefully, use a flat-head screwdriver to pry off the wiring compartment cover on the DLE luminaire (Illustration 3).
- Use a #2 Phillips® screwdriver to remove the bottom faceplate screw. The screw is no longer needed (Illustration 4).
- Remove the BBD43 unit and accessories from the packaging.

Note: You must disconnect power to the luminaire before installing a BBD43 unit. Failure to disconnect power will result in hardware failure.

Make Electrical Connections

Default wiring configurations enable facility power and data to connect directly to the luminaire (see below). In this step, you will extend these connections to include the BBD43 unit within the circuit (Illustration 5). By default, the BBD43 unit ships with the external power, data, and internal power (not shown) cables disconnected.

- Unplug the power connector (red/black or orange/gray) from the DLE luminaire, and plug it into the two-position header on the BBD43, as shown (Illustration 6).
- Locate the power connection (red/black) coming from the BBD43, and plug it into the two-position header on the luminaire, replacing the connector you just removed (Illustration 7).
- Locate the data connector coming from the BBD43, and plug it into the five-position header on the luminaire (Illustration 8).

Note: Refer to Understanding DLE Luminaire Wiring Configurations for information on luminaire-specific configurations.

Mount and Secure BBD43 to Luminaire

- Secure the top retention hooks (2x) to the luminaire faceplate, as shown (Illustration 9).
- Rotate BBD43 to cover and align both open wiring compartments. Ensure all wires are tucked safely into the luminaire wiring compartment (Illustration 10).
- Secure the bottom retention hook on the BBD43 unit to the bottom edge of the luminaire faceplate (Illustration 11).
- Use the screw (provided with BBD43) to secure the unit to the luminaire.

Note: BBD43 is built with three retention hooks (2x on top of the unit housing, and one on the bottom) to secure the hardware to the luminaire.

Connect Internal Power On BBD43 Unit

- On the BBD43 unit, remove the access cover (Illustration 12).
- Connect the two-position battery connector within the compartment (Illustration 13).
- Replace the access cover.

Note: To ensure maximum performance, BBD43 ships with the battery disconnected. You must make this connection before completing hardware installation.

Install Second BBD43 Unit (DLE-48 Only)

DLE-48 requires a second BBD43 installed to ensure sufficient lighting in an emergency situation. The DLE-48 luminaire contains a second wiring compartment, located on the opposite end of the luminaire sensor (see Identifying Emergency Light Bar & BBD43 Placement) to accommodate the second BBD43 unit.

To install the second unit, repeat Steps One through Five on the opposite end of the luminaire.

Note: Wiring configuration and positioning will appear to be an inverted variation of the illustrations in this document. Refer to Understanding DLE Luminaire Wiring Configurations for details.

Connect to Facility Power

Once you've made all BBD43 power and data connections, connect the luminaire to facility power.

Battery Test Method



You must connect the luminaire to facility power in order to test the BBD43 battery.

Press and hold the TEST button on the BBD43 - for no more than 2 seconds - until the LED status indicator blinks (alternating red/green), and then release (Illustration 14).

After approximately 15-30 seconds, the indicator will blink GREEN three times to verify that the battery is working properly. Otherwise, if the indicator blinks RED three times (indicating a connection issue), check all connections and then run the test again.

Refer to the table below for more information on indicator readouts:

State	LED
Charging	Slowly flash GREEN
Emergency	Constant RED
Error	Quickly flash RED
Standby	Constant GREEN
Test	Alternate RED and GREEN

Post-Installation

Before servicing the luminaire or BBD43 unit

- Disconnect facility power to the luminaire.
- On the luminaire, remove the sensor cover, and then press and hold the RESET button for 10 seconds (Illustration 15).
- Verify the LED status indicators on both the luminaire sensor and the BBD43 unit are not lit, and that the luminaire is not emitting light.
- On the BBD43, remove the outer access cover (see Step Five) and disconnect the battery.
- Use a #2 Phillips® screwdriver to remove the screw from the bottom retention hook on the BBD43 unit.
- Disconnect power and data cables between the luminaire and BBD43, in reverse order of installation (see Step Two).

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