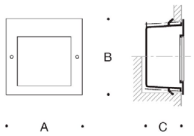
Tools Required:

- T15 torx head screwdriver
- T20 torx head screwdriver
- Flat head screwdriver

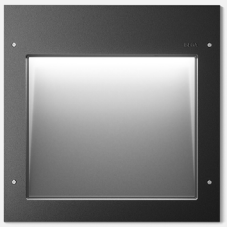


Dimensions

A: 11-3/4”

B: 11-3/4”

C: 5-1/4”



Overview:

LED Watts: 20W
System Watts: 27W
Controllability: 0-10V, TRIAC, and ELV dimmable
Weight: 7.3 lbs.
Protection Class: IP65

Notice to Installer:
1. See page 3 for specific product safety warnings.
2. BEGA luminaires may be damaged if connected to conduit systems containing water - Article 300-5G of National Electric Code requires that “Conduits or raceways through which moisture may contact energized live parts shall be sealed or plugged at either or both ends.”
3. Suitable for installation in hollow wall construction or poured concrete construction.
4. Installation housing provided with (6) 1/2” NPT threaded conduit holes.
5. Installation housing must be installed so that the front face is flush with the finished wall.
6. Suitable for wall applications only. (No ceiling or in-grade applications).

Warning: A silicone-based sealant MUST be used between the faceplate of the installed fixture and the exposed surface of the back box. Failure to do so could result in water entry into back box and fixture failure.

BB24573 installation in hollow (stud) wall or masonry construction:
1. Install (2) slotted mounting brackets provided as shown in Figure 1, using the (4) self-tapping T20 torx head screws provided with the included kit (Kit #93).
2. Adjust the brackets so that the front face of the installation housing will be flush with the finished wall surface after installation, Figures 2a / 2b.
3. Secure the mounting brackets to wood or metal horizontal blocking using hardware (by others) as shown in Figure 2a OR to masonry unit using hardware (by others) as shown in Figure 2b.
4. Remove plastic insert.
5. Connect conduit to installation housing and pull wires for electrical connections to be made later.
6. Replace plastic insert and finish wall.

BB24573 installation in poured concrete construction:
1. Remove plastic insert.
2. Install (4) threaded M4 rods into the installation housing and hand tighten until fully secure.
3. Connect conduit to installation housing and pull wires for electrical connections to be made later.
4. Replace plastic insert, rods will fit through holes in plastic insert.
5. Attach the installation housing to concrete forms by using (8) wing nuts provided, Figure 3. Ensure that the front face of the installation housing will be flush with the finished surface.
6. Pour concrete. Do not pump or drop concrete directly on top of the installation housing. Doing so could deform or damage the installation housing.
7. After concrete has cured, remove wing nuts from threaded rods before removing the forms.

24574 luminaire installation:
1. Remove plastic insert and debris from installation housing.
2. Make wiring connection:
   MAIN VOLTAGE SUPPLY WIRE TO BLACK DRIVER WIRE
   NEUTRAL (COMMON) SUPPLY WIRE TO WHITE DRIVER WIRE
   GREEN GROUND WIRE TO GREEN DRIVER WIRE/LUMINAIRE HOUSING
   Dimming (if applicable):
   DIMMING CONTROL WIRE (+) TO POSITIVE DRIVER DIM CONTROL WIRE
   DIMMING CONTROL WIRE (-) TO NEGATIVE DRIVER DIM CONTROL WIRE
3. Insert luminaire into installation housing and secure into place by evenly tightening the (4) T15 torx head screws on the front of the luminaire to engage the clamping system, Figure 4. Before tightening completely, apply a silicone-based sealant as outlined below:
   Apply a silicone-based sealant between the faceplate of the installed fixture and the exposed surface of the back box to prevent water from entering the back box. At a minimum, use silicone on the top and side edges of the fixture.

Figure 1: Included brackets

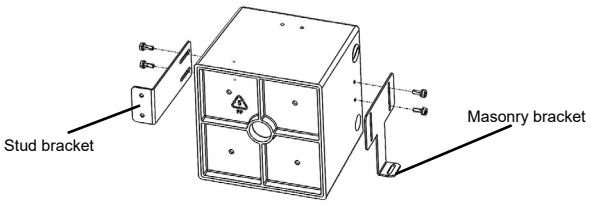


Figure 2a: Hollow (stud) wall

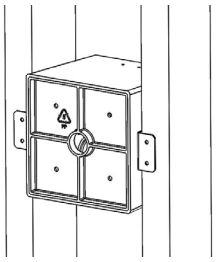


Figure 2b: Masonry wall

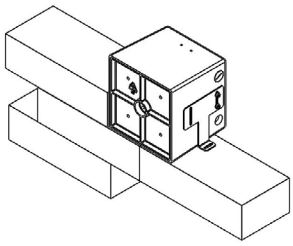


Figure 3: Poured concrete

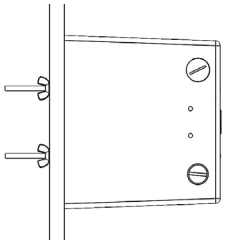
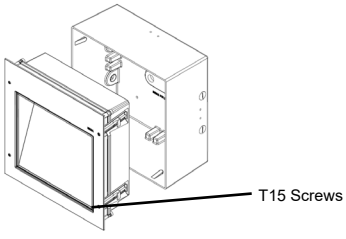


Figure 4: Installation



Accessories

Please refer to the appropriate accessory installation sheet for further instruction when applicable.

Maintenance:

Clean regularly with solvent-free cleaner removing dirt and debris. Do not use high pressure cleaners.

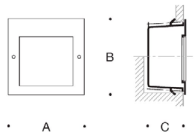
Replacement Parts

See label inside of fixture for LED replacement part number.

Consult factory for all other replacement components.

Tools Required:

- T15 torx head screwdriver
- T20 torx head screwdriver
- Flat head screwdriver



Dimensions

A: 11-3/4”

B: 11-3/4”

C: 5-1/4”

Overview:

LED Watts: 7.0W (EMPK)
System Watts: 10W
Controllability: Non-dimming
Weight: 7.3 lbs.
Protection Class: IP65

24574 w/ EMPK (optional) installation:

1. Remove plastic insert and debris from installation housing.
2. Make wiring connections:
   CONSTANT MAIN VOLTAGE SUPPLY WIRE TO BLACK EMERGENCY DRIVER WIRE;
   SWITCHED MAIN VOLTAGE SUPPLY WIRE TO BLACK LED DRIVER WIRE;
   NEUTRAL (COMMON) SUPPLY WIRE TO WHITE EMERGENCY DRIVER WIRE;
   GREEN GROUND WIRE TO DRIVER WIRE/LUMINAIRE HOUSING.
   Dimming (if applicable):
   DIMMING CONTROL WIRE (+) TO POSITIVE DRIVER DIM CONTROL WIRE;
   DIMMING CONTROL WIRE (-) TO NEGATIVE DRIVER DIM CONTROL WIRE.
   See Figure 5 for a visual representation.
3. Insert luminaire into installation housing and secure into place by evenly tightening the (4) T15 torx head screws on the front of the luminaire to engage the clamping system, Figure 4. Before tightening completely, apply a silicone-based sealant as outlined below:
   Apply a silicone-based sealant between the faceplate of the installed fixture and the exposed surface of the back box to prevent water from entering the back box. At a minimum, use silicone on the top and side edges of the fixture.
4. Apply continuous AC power to the unit. Allow the unit to charge for at least 1 hour before performing a functional test.
5. Verify that the IPS light is steady RED indicating that the AC power is active and no faults are detected.
6. Press and hold the IPS button for two seconds then release. The LED Module should be operating in the emergency mode at the rated light output. If the LED Module in the fixture returns to normal operation after the test sequence completes, the unit is ready for normal and emergency service. The battery will stay disengaged until the the presence of AC power is detected to charge the battery. Thus, when AC power is off, it is possible to join the UNIT CONNECTOR without triggering emergency mode and allowing completion of the installation without discharging the battery.
   NOTE: The battery charging circuitry will not engage until AC power is detected. If during installation, AC voltage is supplied to the unit with the unit connector open, the IPS Test Switch will flash once every 6 seconds. This indicates that either the battery is disconnected or the unit connector is open.
7. To ensure proper operation, Load Calibration is required whenever the LED load connected to the luminaire is changed. If after installation, the connected LED load is changed, Load Calibration will need to be performed. To manually initiate Load Calibration, press and hold the IPS button for 20 seconds. After 20 seconds, the LED load will transition to emergency power. Release the IPS button. The IPS should begin flashing green to indicate that the calibration is commencing. During calibration, the LED load will stay in emergency power and the IPS will be off for 60 seconds. Any failures detected during Load Calibration will be indicated on the IPS (see Figure 6).
   NOTE: Load Calibration happens automatically 48 hours after the luminaire is first installed or reinitialized (see Maintenance section below).

Maintenance

The following steps must be followed to depower the EMPK:

1. Disconnect AC Power. The EMPK will enter emergency mode.
2. Within 30 seconds of engaging emergency mode, disconnect battery circuit by holding the IPS test button for 5 seconds and releasing it.
   When maintenance is complete, the circuitry will detect the presence of AC power and automatically reconnect the battery.

EMPK Features:

1. Auto sensing input (Universal 120-277VAC).
2. UL 1310 Certified, Output Class 2 Compliant.
3. Certified for CA Title 20.

Figure 5: EMPK wiring diagram

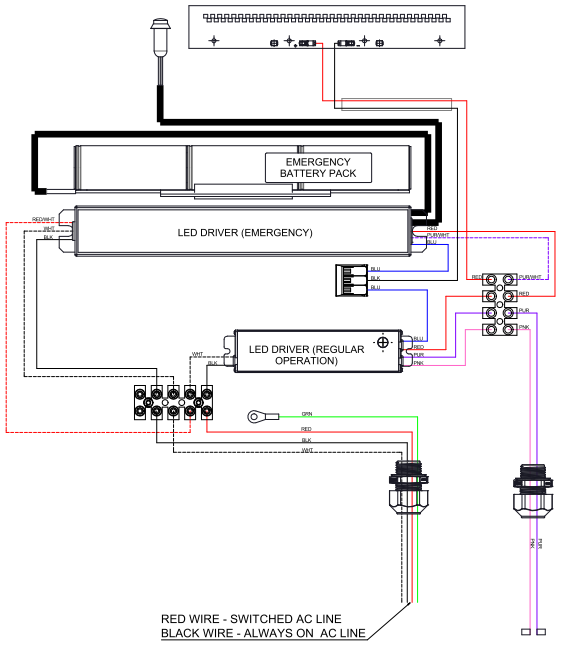


Figure 6: IPS Codes

STATUS INDICATION	CONDITION
STEADY GREEN	BATTERY IS FULLY CHARGED
STEADY RED	BATTERY IS CHARGING
FLASHING GREEN	UNIT IS PERFORMING A TEST
OFF	EMERGENCY MODE
FLASHING RED/GREEN	INSUFFICIENT CHARGE
1 RED FLASH	BATTERY FAILURE
2 RED FLASHES	EMERGENCY LED LOAD FAILURE
3 RED FLASHES	ELECTRONICS FAILURE
4 RED FLASHES	TEMPERATURE OUT OF RANGE

Accessories

Please refer to the appropriate accessory installation sheet for further instruction when applicable.

Maintenance:

Clean regularly with solvent-free cleaner removing dirt and debris. Do not use high pressure cleaners.

Replacement Parts

See label inside of fixture for LED replacement part number.

Consult factory for all other replacement components.

Product Safety Warnings:
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.
SUITABLE FOR WET LOCATIONS.
SUITABLE FOR MOUNTING WITHIN 1.2m (4ft) OF THE GROUND
SUITABLE FOR USE IN POURED CONCRETE
MAXIMUM OF 4 NO. 12AWG THROUGH BRANCH CIRCUIT CONDUCTOR SUITABLE FOR 60°C PERMITTED IN BOX
TYPE IC INHERENTLY PROTECTED
VAPOR BARRIER MUST BE SUITABLE FOR 90°C WHEN INTENDED FOR USE IN CANADA
FOR USE IN NON-FIRE-RATED INSTALLATIONS ONLY
NOT FOR USE IN ENVIRONMENTAL AIR-HANDLING SPACES
WALL MOUNT ONLY

MIN 60°C SUPPLY CONDUCTORS.

CE PRODUIT DOIT ÊTRE INSTALLÉ SELON LE CODE D'INSTALLATION PERTINENT, PAR UNE PERSONNE QUI CONNAÎT BIEN LE PRODUIT ET SON FONCTIONNEMENT AINSI QUE LES RISQUES INHÉRENTS.
CONVIENT AUX EMPLACEMENTS MOUILLÉS.
PEUT ÊTRE INSTALLÉ À MOINS DE 1,2 m (4 pi) DU SOL
PEUT ÊTRE UTILISÉ DANS LE BÉTON COULÉ
UN MAXIMUM DE 4 CONDUCTEURS DE DÉRIVATION 12AWG CONVENANT POUR 60°C SONT PERMIS DANS UNE BOÎTE
TYPE IC PROTECTION INHÉRENTE
LE PARE-VAPEUR DOIT CONVENIR POUR 90°C
UTILISER SEULEMENT DANS DES INSTALLATIONS OÙ LE DEGRÉ DE RÉSISTANCE AU FEU N'EST PAS ÉTABLI
NE PAS UTILISER DANS DES ESPACES SERVANT AU TRAITEMENT DE L'AIR
INSTALLATION MURALE SEULEMENT

LES FILS D'ALIMENTATION 60°C MIN.

