

KT-BPLEDXXPS-XXC-8CSA-VDIM-EM8

BACK-LIT LED PANEL LIGHTS WITH EMERGENCY BACKUP

INSTALLATION INSTRUCTIONS

PLEASE FIND A QUALIFIED ELECTRICIAN FOR INSTALLATION. Please read the instructions before installation and use.

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

SAFETY AND ELECTRICAL PARAMETERS

WARNING

- To reduce the risk of death, personal injury, or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards, read all warnings and instructions included with and/or the fixture box and fixture labels.
- Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.
- Commercial installation, service, and maintenance of luminaires should be performed by a qualified licensed electrician.
- If you are unsure about the installation or maintenance of the luminaires, consult a qualified licensed electrician. Please abide by all relevant country, regional, and local code requirements and regulations when installing this luminaire. Wiring must be in accordance with NEC and all applicable local codes.
- Do not make or alter any holes unnecessarily in an enclosure of wiring or electrical components during the installation.

WARNING

- Turn off electrical power at the fuse or circuit breaker box before wiring fixture to the building power.
- Turn off the electrical power when you perform any maintenance.
- Verify that supply voltage is correct by comparing it with the luminaire label information.
- Do not install with supply voltage that exceeds the rated input voltage of the luminaire.
- All wiring connections should be capped with UL approved wire connectors.

CAUTION

- Avoid direct eye exposure to the light source while it is on.
- Account for small parts and destroy/recycle packaging material, as these may be hazardous to children.
- Risk of Burn. Disconnect power and allow fixture to cool before handling/servicing.

NOTICE

- All fixture installs must be properly grounded.
- Minimum of 75C supply conductors.
- Specifications and dimensions subject to change without notice. Consult Keystone with any questions or concerns.
- Ensure ambient operating temperature between -20°C/-4°F to 40°C/104°F is maintained.
- Exceeding these temperature ranges will void warranty and may reduce lifetime or cause performance issues.
- Inspect fixture for any damages before installing. If there is any damage, please do not install and contact Keystone or authorized distributor for resolution.

Caution: Before installing, make certain that AC power to the fixture is off.

Caution: The electrical rating of this product is 120-277V. Installer must confirm that there is 120-277V at the fixture before installation.

COMPONENTS INCLUDED IN KIT

Part	Quantity
Back-Lit LED Panel Light	1
Installation Instructions	1

PRODUCT SPECIFICATIONS

Keystone Catalog Number	Description	Size	Wattage	CCT	Input Voltage	Dimming
KT-BPLED35PS-22C-8CSA-VDIM-EM8	Back-lit LED Panel Light with Power Select and Color Select	2'x2'	35/30/20W	3500/4000/5000K	120-277V	0-10V
KT-BPLED45PS-24C-8CSA-VDIM-EM8	Back-lit LED Panel Light with Power Select and Color Select	2'x4'	45/35/30W	3500/4000/5000K	120-277V	0-10V

NOTES:

Panel CCT comes preset at 5000K and highest wattage.

To adjust CCT, use switch on back of the panel labelled "3500 / 4000 / 5000K"; to adjust lumen output, use switch on back of the panel labelled "35W / 30W / 20W" or "45W / 35W / 30W", depending on fixture.

POWER SELECT (WATTAGE) AND COLOR SELECT (CCT) ADJUSTMENT

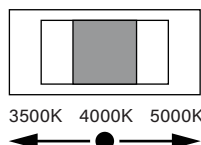
This fixture is equipped with field-adjustable Keystone Power Select and Color Select technology.

- Ensure power is off to the fixture.
- Adjust dip switches to desired settings.
- Restore power to fixture.



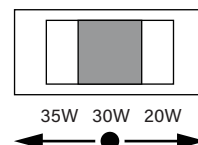
COLOR SELECT ADJUSTMENT SWITCH

Set dip switch to adjust CCT between 3000K, 4000K, and 5000K. Fixture comes preset at 5000K.

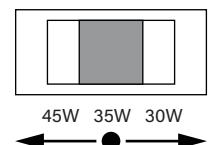


POWER SELECT ADJUSTMENT SWITCH

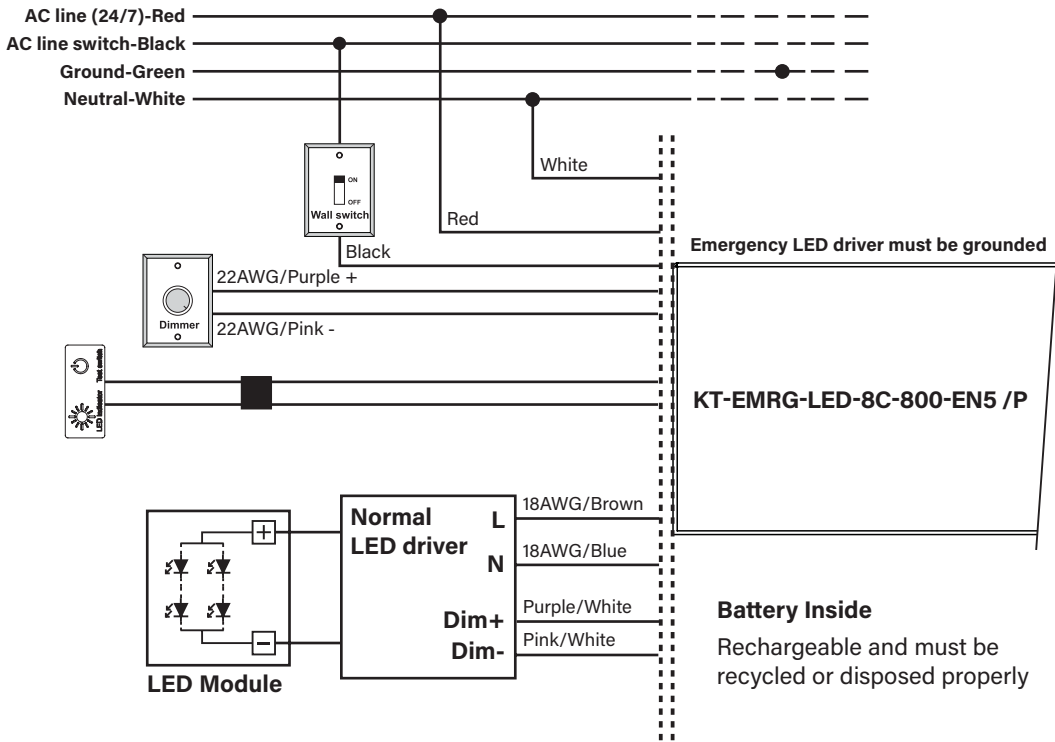
Set dip switch to adjust wattage between 35W / 30W / 20W or 45W / 35W / 30W, depending on fixture. Fixture comes preset at highest wattage.



OR

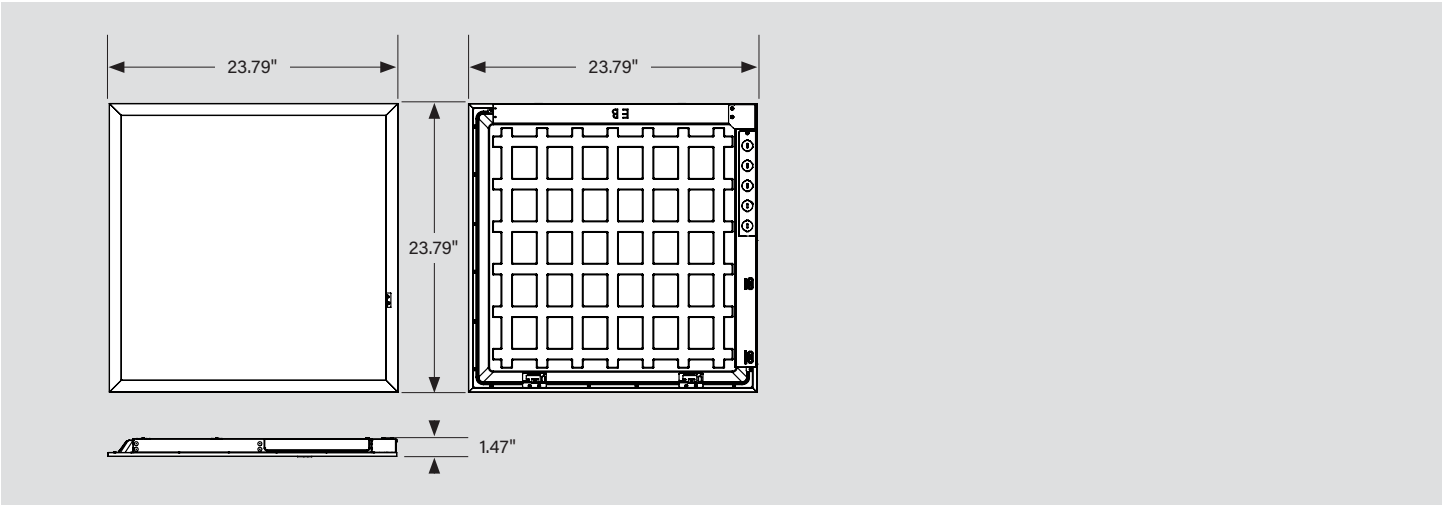


GENERAL WIRING DIAGRAM

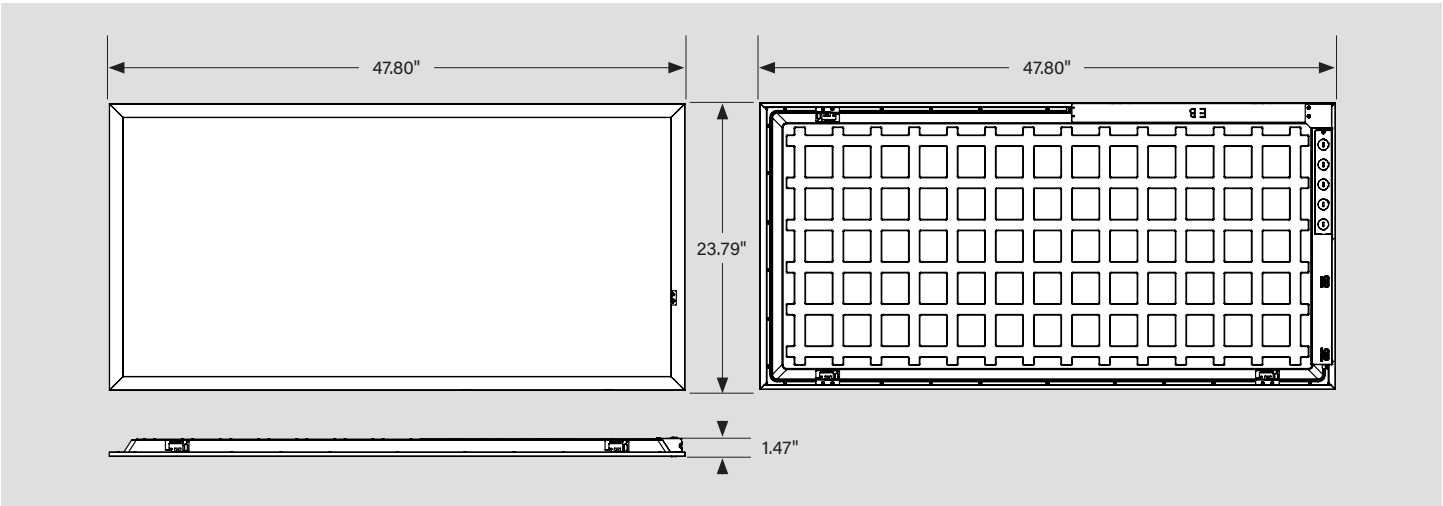


DIMENSIONS

KT-BPLED35PS-22C-8CSA-VDIM-EM8



KT-BPLED45PS-24C-8CSA-VDIM-EM8

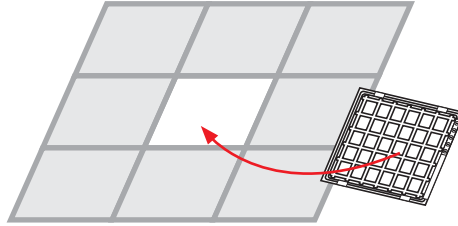


INSTALLATION INSTRUCTIONS

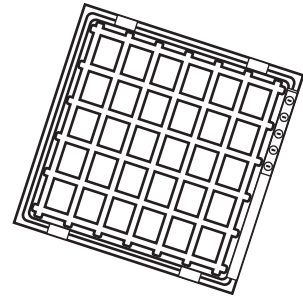
RECESSED INSTALLATION

1. Shut off power at the source of the fixture housing into which you are installing fixture.

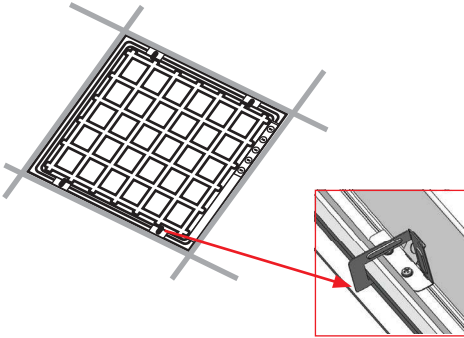
2. Remove the ceiling tile from the location where the product is to be installed and raise the panel light above the T-bar grid.



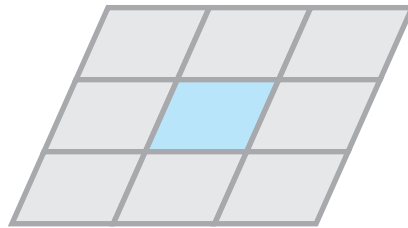
3. Connect power to the fixture (see *General Wiring Diagram* on page 2).



4. Fold the four (4) protection brackets so they will be situated above the T-bar.



5. Slowly rest the panel light onto the T-bar support and ensure appropriate fit to complete installation.

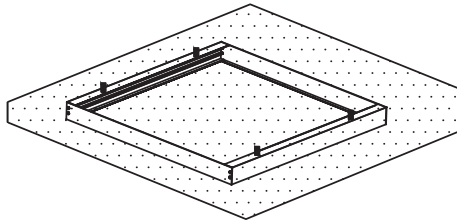


6. Reconnect power at source.

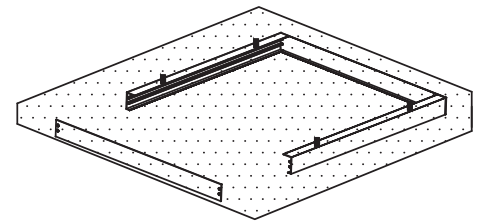
SURFACE-MOUNT INSTALLATION (kit sold separately)

1. Shut off power at the source of the fixture housing into which you are installing fixture.

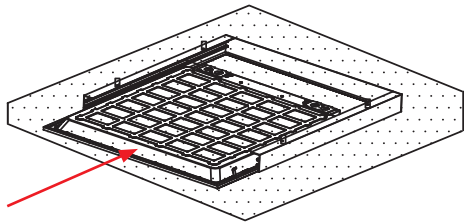
2. Ensure that the bracket set includes four (4) frames.



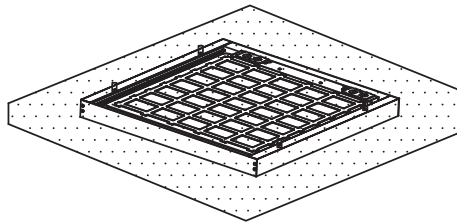
3. Assemble three (3) frames to form an open bracket and set on the ceiling tile.



4. Slowly slide the panel light into the 3-sided bracket.



5. Affix remaining side to complete the frame.



6. Connect power to the driver (see *General Wiring Diagram* on page 2).

7. Reconnect power at source.

(Installation Instructions continued on next page)

EMERGENCY BACKUP INSTRUCTIONS (continued)

TEST SWITCH

- The emergency conversion kit will go into emergency mode if test switch is pressed when main supply is on, while it will go into charging mode if test switch is not pressed.
- In emergency mode, press the test switch for 3 seconds to turn off the current emergency state

LED INDICATOR

- Red Stable: Charging mode or charging full
- Red Off: Main power off or discharging mode
- Red Flash (Fast, 0.5 seconds): Failure
- Red Flash (Slow, 2 seconds): Low battery voltage and recharging needed

OPERATION

- **Normal Mode:** The battery will be disengaged in sleep mode until AC Power is applied. Once AC Power is present, the Normal LED Driver operates the LED load as designed. The Emergency LED Driver is charging in a standby mode. The test button will be continuously lit, showing that the battery is charging. When battery is fully charged, the test button will remain lit.
- **Emergency Mode:** When AC Power is lost, the Emergency LED Driver detects the power outage and automatically switches to emergency mode. The LED load is illuminated for a minimum of 90 minutes. The test button will not be lit. When AC Power is restored, the Emergency LED Driver will switch back to standby and the Normal LED Driver will provide power. The Emergency LED Driver will begin re-charging.
- **Sleep Mode:** The battery may be disengaged and returned to a sleep or dormant mode by pressing the test switch for up to 5 seconds when AC Power is disconnected. This mode should only be used if the fixture with emergency unit installed is to be transported to another location for installation or unit is being returned to storage or otherwise not in use.

TESTING PROCEDURES

- Press the test button to cut the power to the Normal LED Driver and switch the system to emergency mode. Release the test button to return to normal mode. Switch off the circuit breaker to simulate a full power outage. Allow a 24-hour charge for first time use. NFPA 101, Life Safety Code outlines the following test schedule:
- **Monthly:** Ensure that the test button light is illuminated. Conduct a 30-second discharge test by depressing the test button. The LED load should operate at reduced output.
- **Annually:** Ensure that the test button is illuminated. Conduct a full 90-minute discharge test. The unit should operate as intended for the duration of the test. Written records of the testing shall be kept by the owner for inspection by the authority having jurisdiction.

CAUTION

- DO NOT USE OUTDOORS.
- DO NOT MOUNT NEAR GAS OR ELECTRONIC HEATERS.
- EQUIPMENT SHOULD BE MOUNTED AND AT HEIGHTS WHERE IT WILL NOT BE SUBJECTED TO TAMPERING BY UNAUTHORIZED PERSONNEL.
- THE USE OF ACCESSORY EQUIPMENT NOT RECOMMENDED BY THE MANUFACTURER MAY CAUSE AN UNSAFE CONDITION.
- DO NOT USE THIS EQUIPMENT FOR OTHER THAN ITS INTENDED USE.

NOTICE

- Use with grounded, UL Listed, damp location rated fixtures -- case should be used for grounding.
- The equipment is intended for ordinary locations and for permanent installation into one or more Listed emergency luminaires.

ORDERING INFORMATION

Catalog Number	UPC	Easy Code
KT-BPLED35PS-22C-8CSA-VDIM-EM8	843654166926	HDG-65
KT-BPLED45PS-24C-8CSA-VDIM-EM8	843654166933	QCH-71