



[Home](#) » [PLT](#) » **PLT 2FT Selectable LED Strip Light Installation Guide** 



COLOR/WATTAGE SELECTABLE LED STRIP FIXTURE

Contents [[hide](#)]

[1 SAFETY AND INSTALLATION INSTRUCTIONS](#)

[2 Installation Instructions](#)

[3 TEST SWITCH INDICATOR STATUS:](#)

[4 Documents / Resources](#)

[4.1 References](#)

SAFETY AND INSTALLATION INSTRUCTIONS

WARNING

- Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.
- 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 on the fixture box and all fixture labels.
- Proper grounding is required to ensure safety.
- Power must be turned off at the breaker before installation or maintenance.
- 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.
- Wear gloves and eye protection at all times while installing, servicing, or performing maintenance on the luminaire, and avoid direct eye exposure to the light source while it is on.
- Do not install damaged product. Inspect luminaire for damage that may have occurred during transit. If damaged, contact the manufacturer immediately.
- These instructions do not purport to cover all details or variations in equipment nor to provide every possible contingency to meet in connection with installation, operation, or maintenance.
- Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's or owner's purposes, contact the manufacturer.

WARNING

- Account for small parts and destroy packing material, as these may be hazardous to children.
- Risk of burn. Disconnect power and allow fixture to cool before handling fixture.

CAUTION

- Do not make or alter any open holes in an enclosure of wiring or electrical

components during kit installation.

-
- Verify that supply voltage is correct by comparing it with the luminaire label information. All wiring connections should be capped with UL approved wire connectors.
- Green ground screw provided in proper location. Do not relocate.
- Minimum 90°C supply conductors.

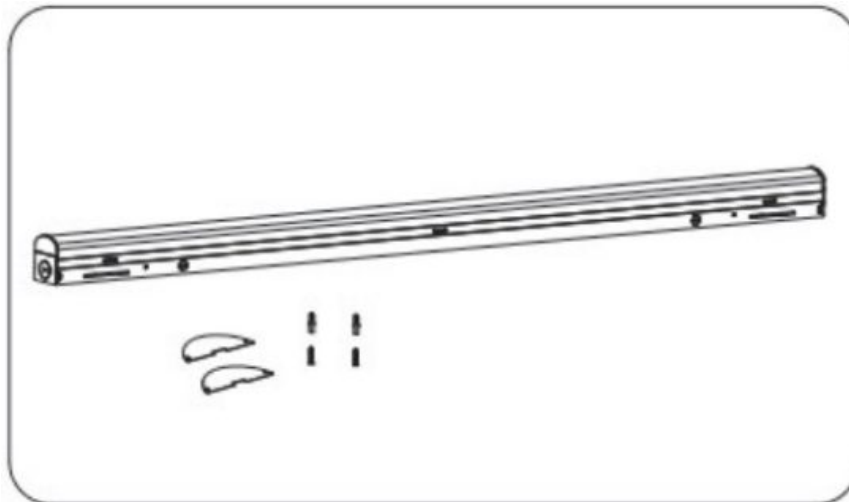
NOTICE

- Specifications and dimensions subject to change without notice.

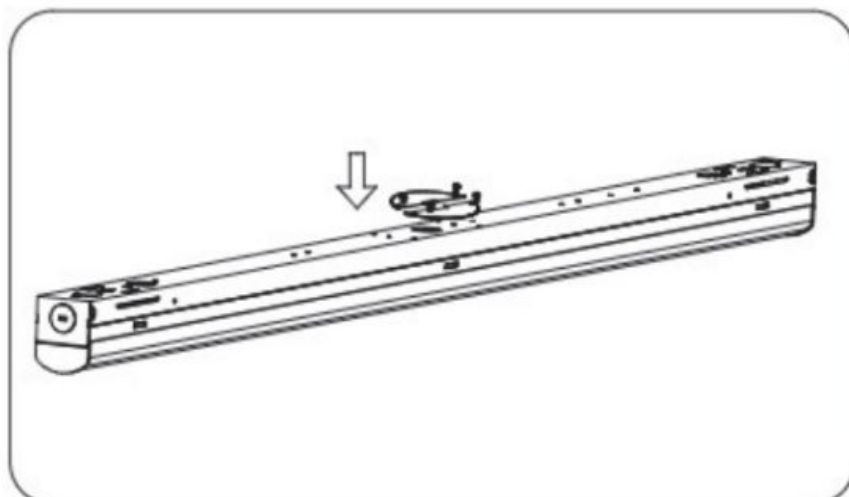
Installation Instructions

Surface Mounting

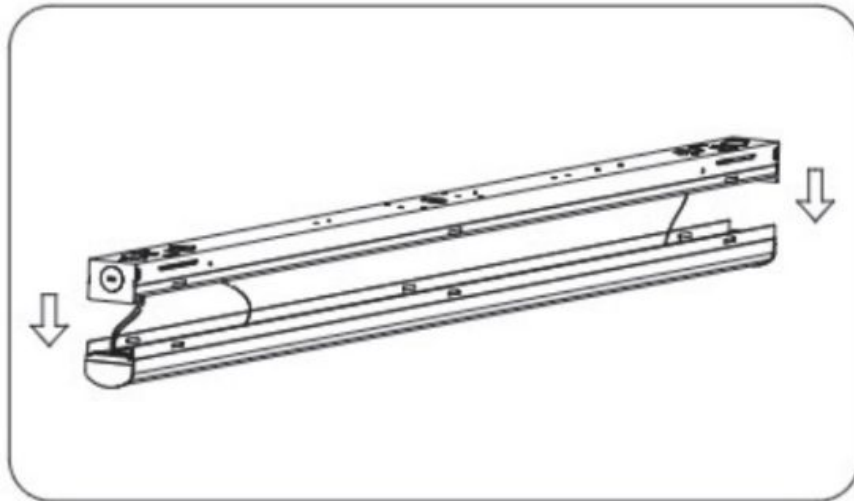
1. Take out the light fixture and accessories package from the box.



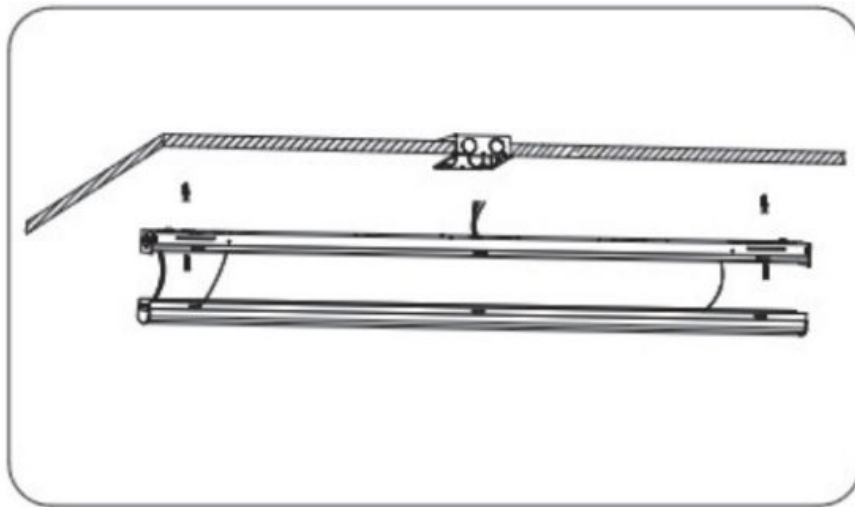
2. Attach the junction box covers to the fixture.



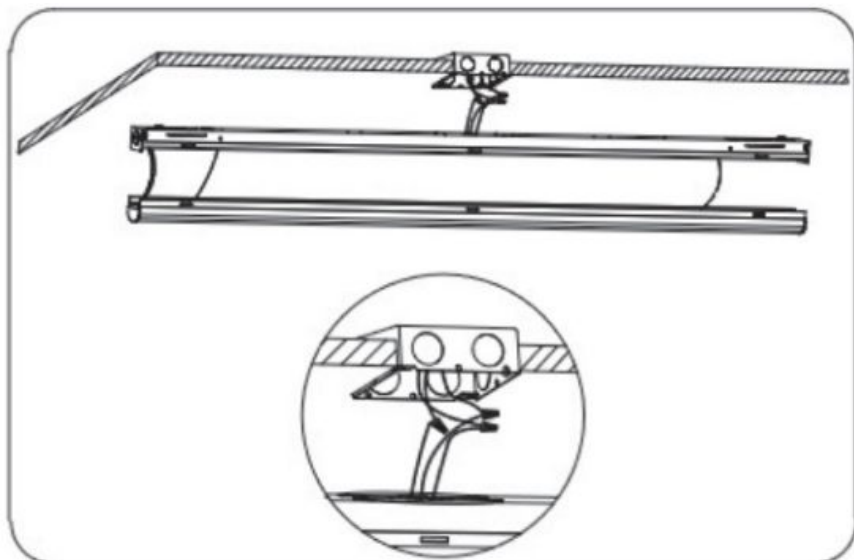
3. Separate the module board from the fixture base.



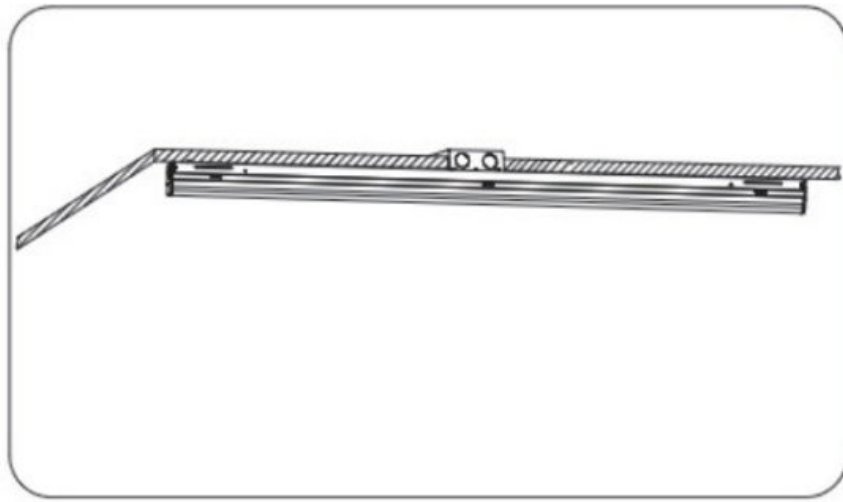
4. Secure the fixture to the ceiling with the provided plastic sleeve and screws.



5. Wire to the main supply power through the junction box.



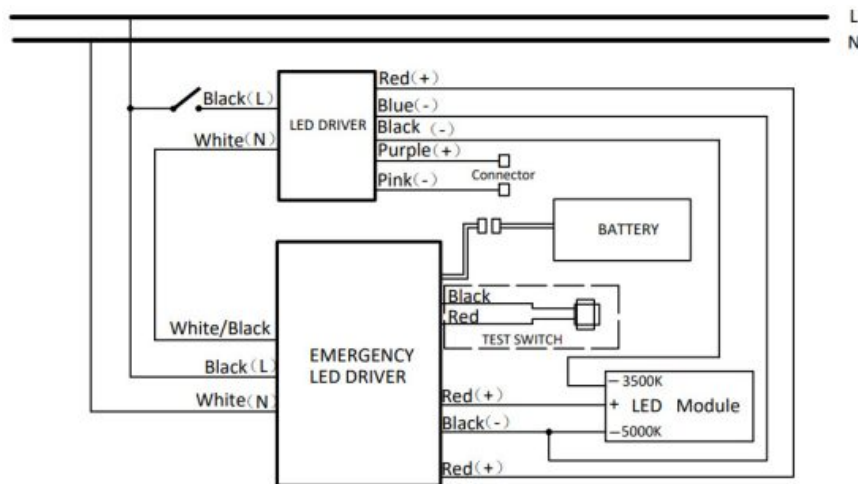
6. Reattach the module board to the fixture base to finish the installation.



General Wiring Diagram (CCT adjustable)

2/3/4FT fixtures

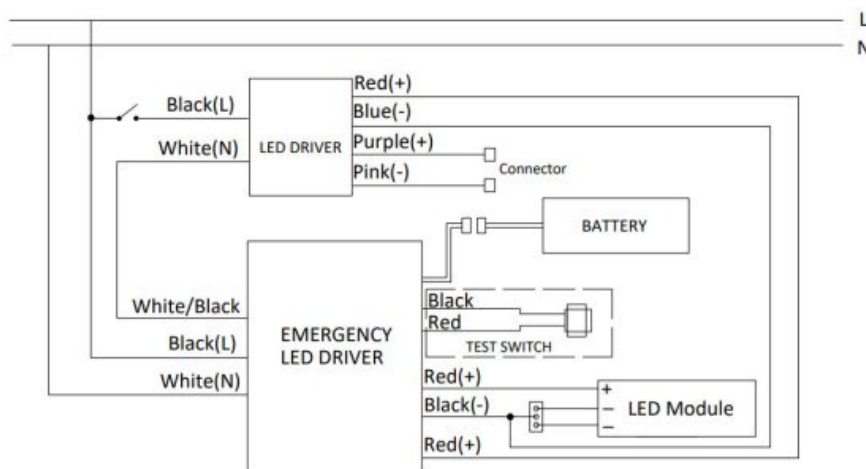
Emergency CCT is 5000K when the DIP switch is set to the left or right.



General Wiring Diagram (CCT adjustable)

8FT fixtures

Emergency CCT is the same as the fixture's default CCT



Field-Adjustable Wattage & CCT

The end users may adjust the color temperature and lumen output respectively by the

two DIP Switches. Each DIP switch is accommodated with 3 options (left, middle, and right), corresponding to 3 color temperatures and 3 wattages respectively, which can perform the desired color temperature and lumen output combination.

Factory Settings:

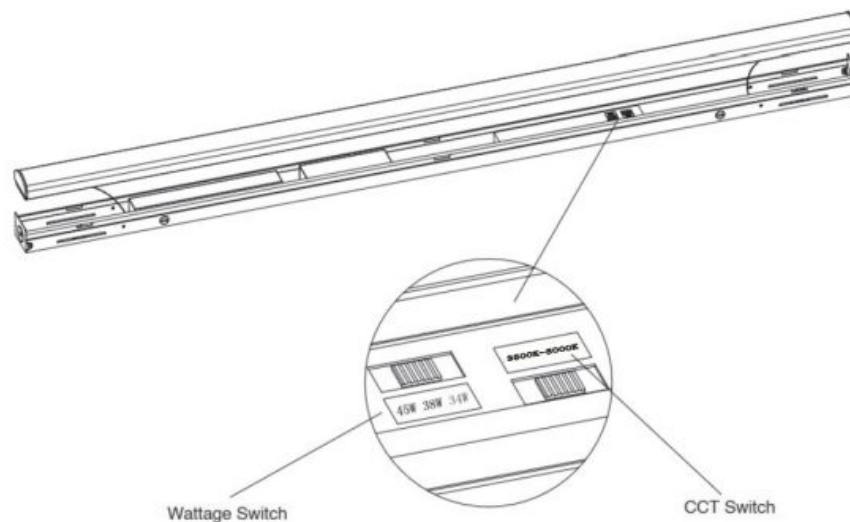
PLT-90357-5000K, 30W

PLT-90358-5000K, 45W

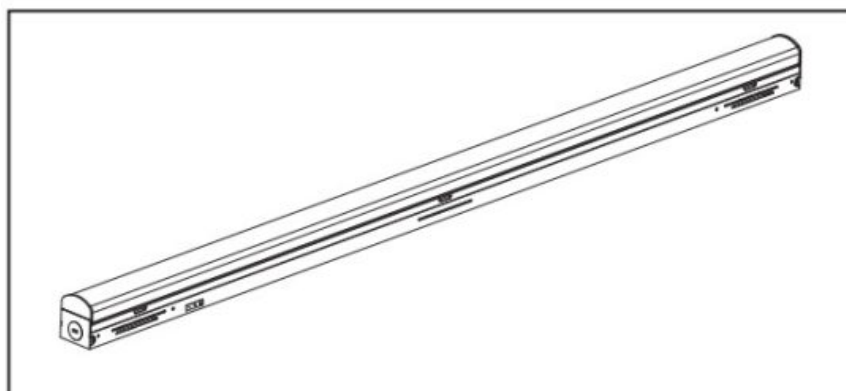
PLT-90359-5000K, 54W

PLT-90360-5000K, 90W

1. DIP switches are located on the driver box.
2. Select a wattage and color temperature by sliding the switch left or right respectively to the desired value.



EM Installed Fixture



TEST SWITCH INDICATOR STATUS:

LED Indicators Status	EM Driver Status/Mode
-----------------------	-----------------------

Solid Green	System OK/AC OK
Red indicator flashing, 4S ON, 1S OFF	Low battery voltage, Self-Diagnostic failed
Green indicator, 1S ON, 1S OFF	Self-Diagnostic mode
The indicators light OFF	Power grid turn off, Emergency mode
Alternate brightness of red and green, 1S RED, 1S GREEN	Load Open
Red indicator flashing, 1S ON, 1S OFF	Load short, Self-Diagnostic mode
Alternate brightness of red and green, 4S RED, 1S GREEN	Self-Diagnostic and the output current exceeds 25 % of the rated value

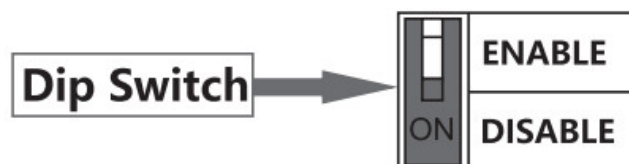


Self-Diagnostic mode

1. Each month auto self diagnostic
2. Each Year auto self diagnostic 90 minutes

Self-Diagnostic Mode Enable and Disable operation method

Dip Switch enable position and Learned LED load will enable Self-Diagnostic function.



“ENABLE” is the default setting. Move Dip Switch to “DISABLE” if Self-Diagnostic functionality is not desired.

Recharge time

-12hours

Operation time

-90 minutes with 1000-1500 lumens output

The fixture can be switched off by connected wall switch. When emergency conditions (main power off), use wall switch to turn on the fixture which will be running in emergency mode.

PLEASE READ CAREFULLY AND FOLLOW ALL INSTRUCTIONS FOR YOUR OWN SAFETY

- **IMPORTANT:** An un-switched AC power source of 100VAC to 277VAC is required for the black and white leads.
- **IMPORTANT:** A switched or un-switched AC power source of 100VAC to 277VAC is acceptable for the black lead only.
- This device is designed for use in fixtures listed for damp location.
- **CAUTION:** Do not use outdoors.
- **CAUTION:** The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- **CAUTION:** Make sure all electrical connections conform to the National Electrical Code and all applicable local regulations.
- **CAUTION:** Do not mount near gas or electric heaters.
- **CAUTION:** Do not use this emergency driver with accessory equipment other than recommended by manufacturer; failure to follow this may cause an unsafe condition. Servicing should only be performed by qualified service personnel.
- **CAUTION:** Do not use this emergency driver for other than intended use.
- **CAUTION:** Battery is rechargeable LiFePo4 type and must be recycled or disposed of properly.
- **CAUTION:** Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.

SAVE THESE INSTRUCTIONS

TESTING SYSTEM: The emergency battery requires a minimum charge time of one (1) hour before testing the circuit.

A minimum of twelve (12) hours is required for a full charge.

IMPORTANT: In order to maintain proper operation and warranty coverage, the battery

must be recharged once per year prior to installation.

RATED EMERGENCY OPERATION: Ninety (90) minutes for the 10W load

Max. mounting height: 17.7ft (5.39 m)” or the equivalent.

Model: HT-EM-10W-120-277-FT-XXXX

Associated Target Luminaire: E484679 (PRECISION LIGHTING&TRANSFORMER, INC.), Model PLT-90357, PLT-90358, PLT-90359 and PLT-90360, with LED model BXEN-49E-11M-3AA, made by Bridgelux



[972-535-0926](tel:972-535-0926)

pltsolutions.com

ver 092823

Documents / Resources

	<p>PLT 2FT Selectable LED Strip Light [pdf] Installation Guide</p> <p>2FT, 3FT, 4FT, 8FT, 2FT Selectable LED Strip Light, Selectable LED Strip Light, LED Strip Light, Strip Light</p>
--	--

References

- [User Manual](#)

◆ 2FT Selectable LED Strip Light, 2Ft., 3ft, 4FT, 8FT, LED Strip Light, PLT, Selectable LED Strip Light, Strip

■ PLT Light

—Previous Post

[PLT 13011 Color/Wattage Selectable LED Wall Pack with Photocell Instruction Manual](#)

Leave a comment

Your email address will not be published. Required fields are marked *

Comment *

Name

Email

Website

☐ Save my name, email, and website in this browser for the next time I comment.

Post Comment

Manuals+, Privacy Policy | @manuals.plus | YouTube

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.