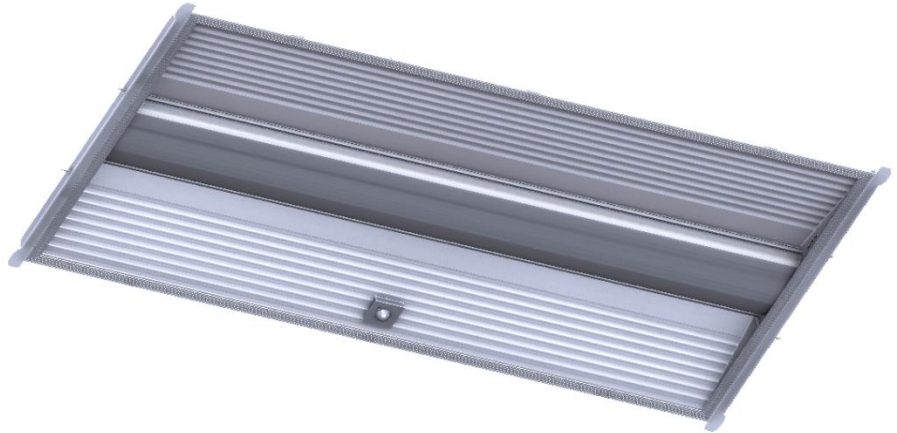




Dioluce Products Installation Instructions

Models

DL-R24-4530-5K0-001
DL-R24-4530-5K0-002
DL-R24-5035-5K0-001
DL-R24-5035-5K0-002
DL-R24-4530-4K0-001
DL-R24-4530-4K0-002
DL-R24-5035-4K0-001
DL-R24-5035-4K0-002



Important

- Read all instructions carefully before attempting installation. Failure to follow all instructions may result in electrical shock, fire and/or injury. If you do not understand these instructions, please contact your local distributor.
- Inspect the components for any damage; damage should be reported to your distributor.

Safety

- Refer to facility and site safety regulations before performing any work presented in this manual to ensure personnel safety.
- All electrical connections must be in accordance with the National Electric Code and local codes or ordinances.
- All work should be performed by a licensed electrician.
- This fixture must be mounted into an approved, four foot, recessed light fixture that is directly supported by the building structure.
- Take note of installation location. Do not install in a damp, wet location, or next to leaking pipes or equipment. This environment can cause shock or electrocution.

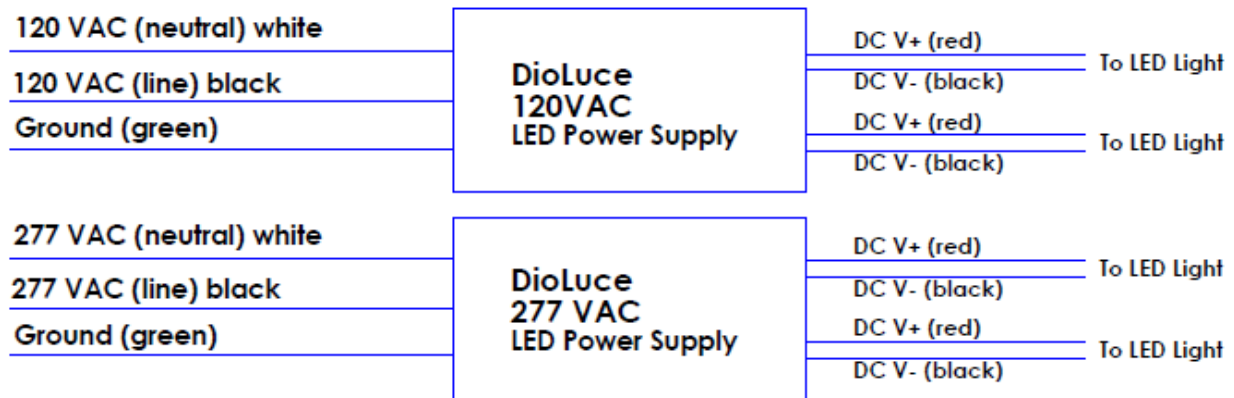
Warnings



WARNINGS

- 1. Do not connect DioLuce LED components to any other manufacturers power supply or LED components. Risk of electrical shock or fire.**
- 2. Verify incoming voltage matches the voltage rating on the power supply, 120 VAC or 277 VAC.**
- 3. Do not connect any DioLuce components to fluorescent lamp ballast. Risk of electrical shock or fire.**
- 4. Risk of fire or electrical shock. Luminaire wiring and electrical parts may be damaged when drilling for installation of LED retrofit kit. Check for enclosed wiring and components.**
- 5. Risk of fire and electrical shock. LED Retrofit Kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.**
- 6. Risk of fire or electrical shock. Install this kit only in luminaires that have the construction features and dimensions shown in the drawings and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.**
- 7. To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.**

Electrical Connection Wiring Diagram



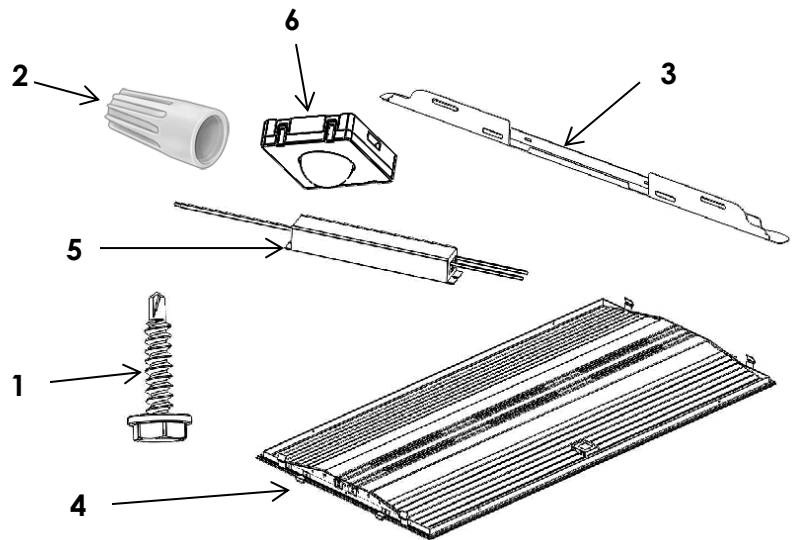
Dip Switch Configuration

SW1	SW2	SW3	Mode	Power Watts Mode/Standby
1	0	0	Day Light	40/20
0	1	0	Day Light	35/20
0	0	1	Day Light	30/20
1	1	0	Motion Detector	40/20
0	1	1	Motion Detector	35/20
1	0	1	Motion Detector	30/20
0	0	0	Low	20
1	1	1	High	40

Day Light	Day Light Sensor activated, switches to lower power
Motion Detector	Motion Sensor activated, switches to higher power

Components

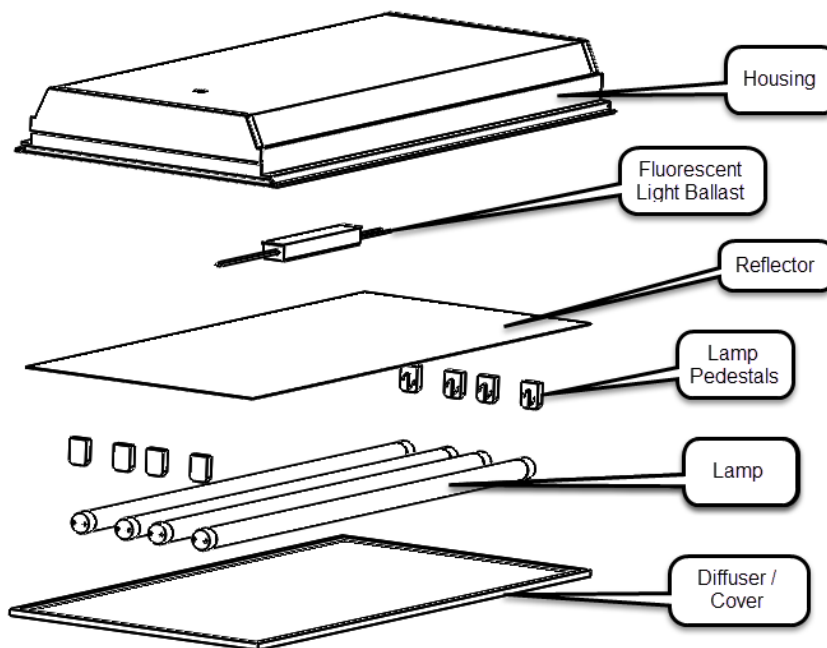
1. Self-Drilling / tapping Screw
2. Wire Nuts
3. Side Brackets
4. Light Fixture
5. Power Supply
6. CDS Sensor

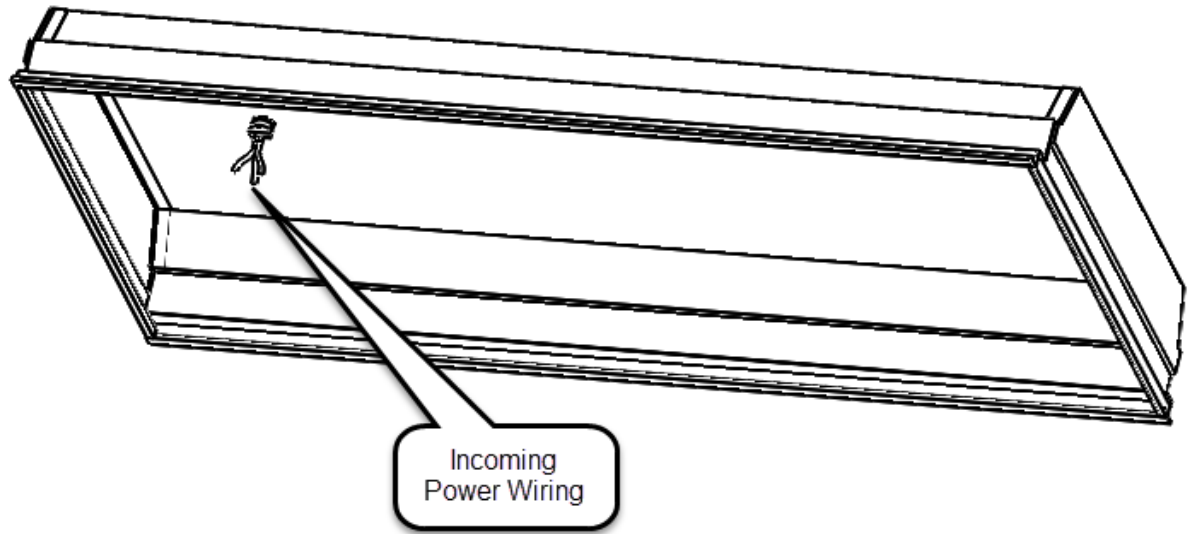


Installation Instructions

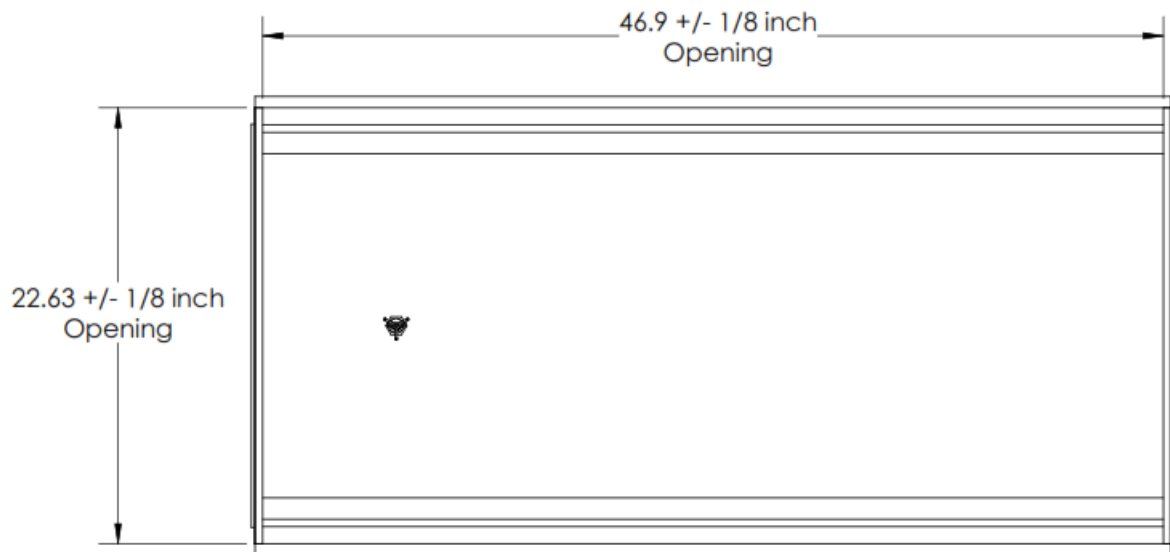
The replacement light fixture is pre-assembled at the factory. Some components need to be mounted to the existing 4 foot light housing before the fixture can be installed into its operating position.

1. To reduce the risk of electrical shock, turn off the power at the circuit breaker panel.
2. Remove all the components of the fluorescent light fixture, including diffuser / cover, lamp, lamp pedestals, wiring, reflector and fluorescent light ballast. All that should remain is the bare 4 foot housing with the incoming power wiring.



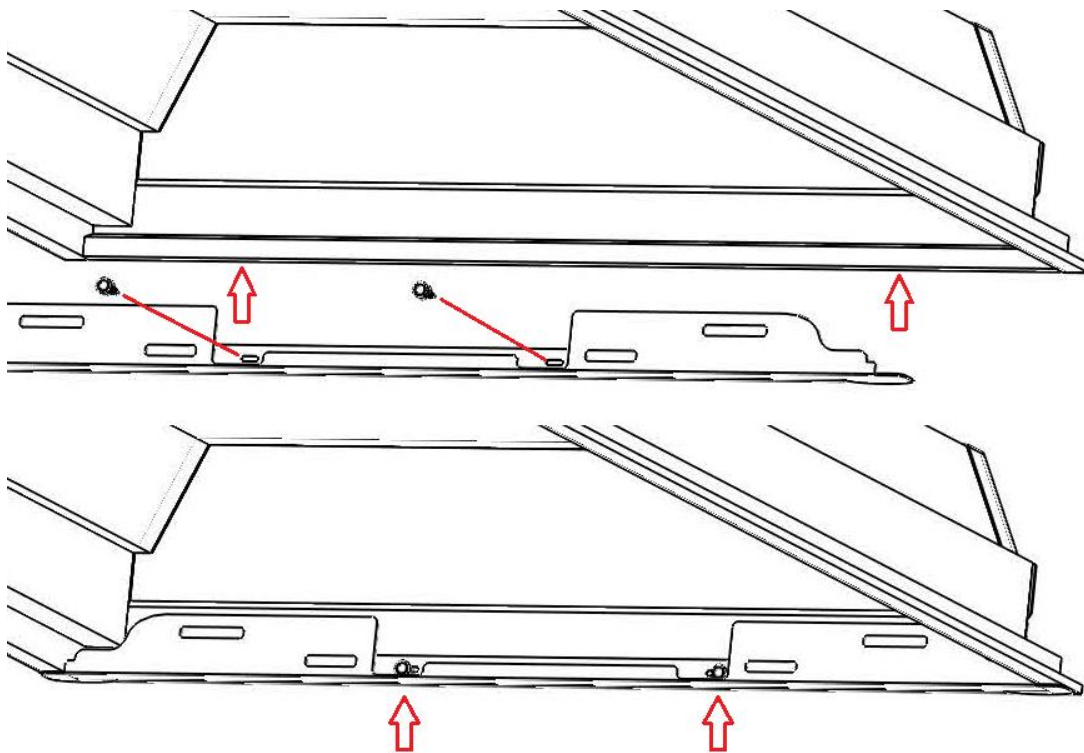


3. Verify the dimensions of the existing housing are within tolerance, width $22.63 \pm 1/8$ inch, length $46.9 \pm 1/8$ inch.

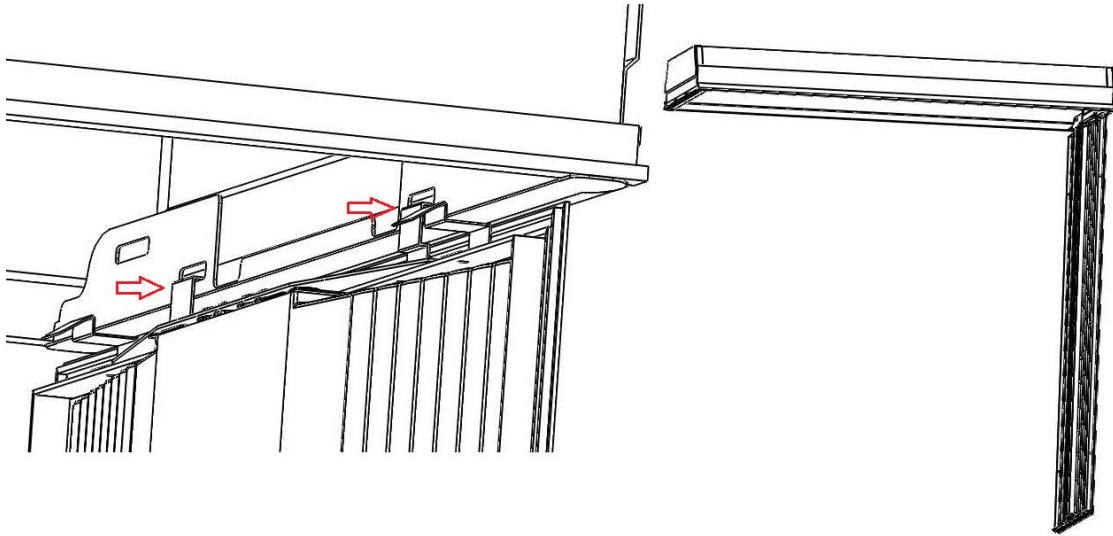


4. Use appropriate equipment to test the incoming voltage. The voltage must be 120 or 277 VAC, within the voltage rating shown on the power supply label. Turn off all power at the circuit breaker before continuing installation.
5. Configure the LED power DIP switches for the desired power settings. The DIP switches are located on the DC side of the power supply. Refer to Dip Switch Configuration chart on page 2.

6. Mount the DioLuce power supply up into the housing within reach of the incoming power wires using the provided self-drilling and tapping screws. (see warning note 4)
7. Connect the incoming power to the power supply according to the electrical connection wiring diagram.
8. Peel the double sided tape and mount the side bracket at each end of the housing using the self-drilling and tapping screws. Center the bracket and ensure the flanges are resting up against the T frame as shown in the picture below. (see warning note 4)

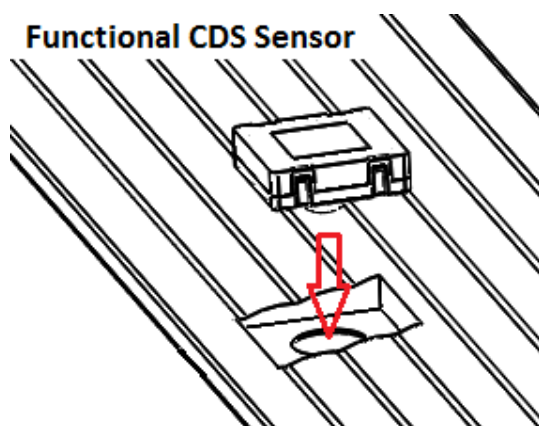


9. Hang the light fixture on the side bracket closest to the DC wire connection, using the hanging brackets.

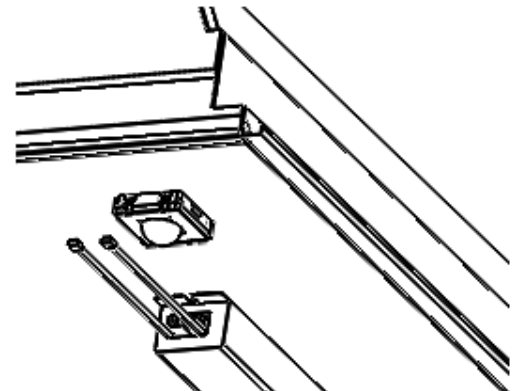


10. Connect the DC wiring from the light fixture to the DC wiring on the power supply for each LED light bar.
11. If the option for Motion Sensor and Daylight Sensor are selected, the CDS Sensor will be factory mounted in the Functional CDS Sensor Position and connected to the power supply. Otherwise it will be shipped loose to be mounted to the inside of the existing housing. Connect the CDS Sensor to the power supply connector next to the dip switches and mount the CDS Sensor next to the power supply using the adhesive strip provided.

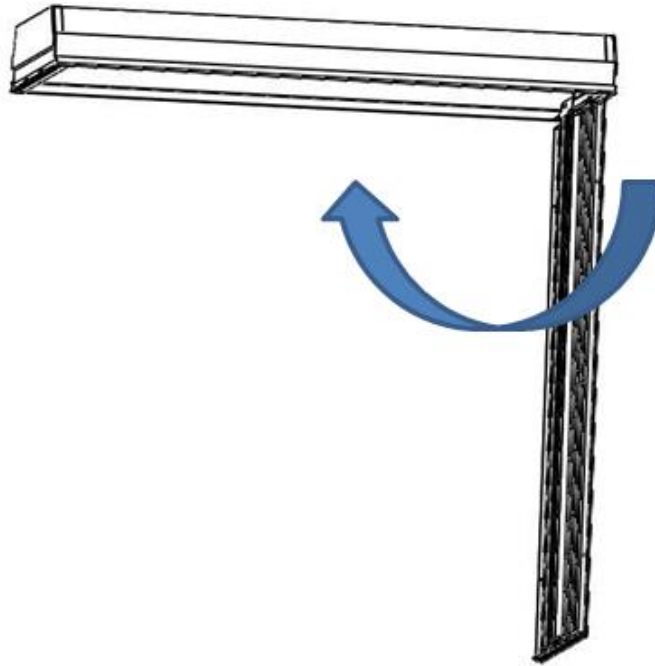
Important! The CDS Sensor must be connected in order for the circuitry to function properly in conjunction with the Dip Switch Configuration, even though daylight and motion sensor functionality are not required.



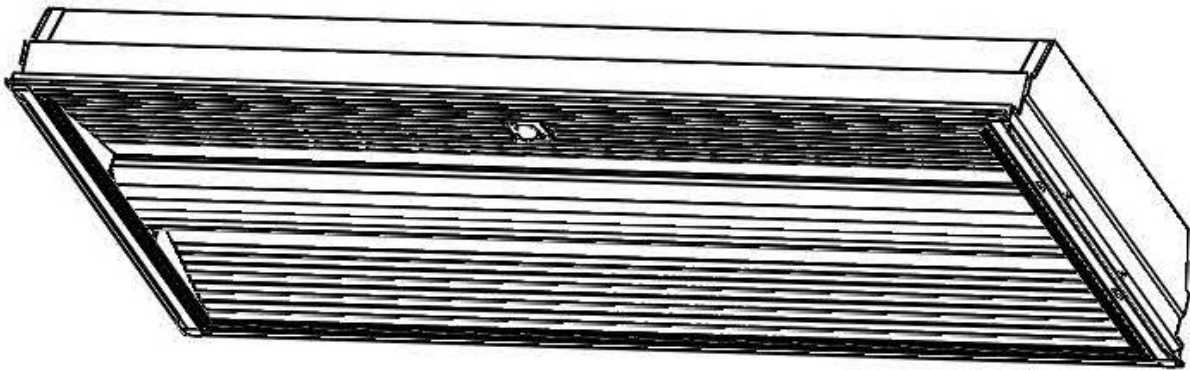
Non Functional CDS Sensor



12. Secure excess wiring and swing the light fixture up into locking position.



13. The assembly is complete.



14. **Caution!** Hold onto the fixture while opening so that it does not swing freely and dislodge from its retaining hooks.

Recommend Tool: Rounded Blade Spatula (McMaster part# 3660A11) or equivalent.

To open the light fixture for service, find the labeled side stating "OPEN THIS END". Insert a rounded blade spatula in between the end bracket and the light fixture at the corner. Slide the spatula towards the center until it comes up against the mounting clips. Slide the spatula under the mounting clip and push on it while slightly pulling the fixture down until the clip releases. Repeat on other side and swing the light fixture down.

