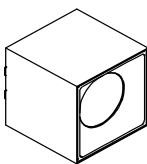
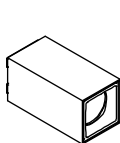
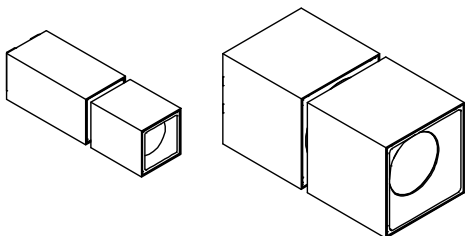


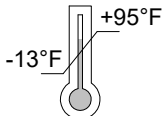


## OZ Casambi - DBS

## CODE: OZ-



48VDC



### K 5FB-B;

Remote Class II electronic power supply will power the fixture with low voltage. **DO NOT CONNECT FIXTURE TO LINE VOLTAGE. FAILURE TO COMPLY WILL RESULT IN VOID OF WARRANTY.**

**See Fixture Installation (page 7) for more information. To ensure a maximum efficient use of the product, read the instructions before proceeding installation.**



This fixture must be installed by a licensed and qualified electrician. The installer must comply with NEC and local building codes when installing the fixture



Electrical current can cause painful shock, serious injury, or even death. Make sure you turn off the power supply, ground fixture(s), and make sure all electrical connections are correct and secured



For use in IP20 installations.

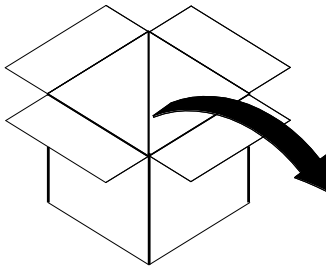


Keep the label of the original packaging if any eventual future claims are needed

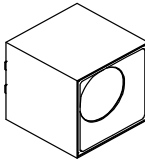
## Table of Contents

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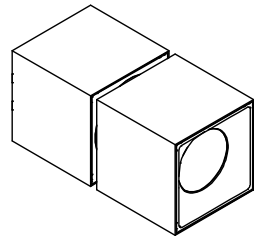
# Packaging Contents / Dimensions



BOX 4"x2.5"x 2.5"

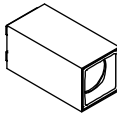


LARGE FIXED

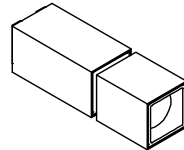


LARGE ADJUSTABLE

LED FIXTURE  
1 ea.

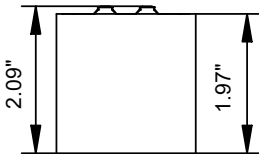
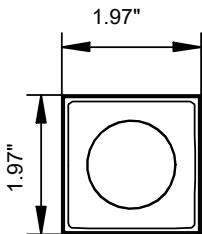
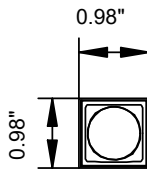
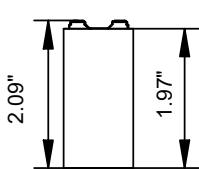


SMALL FIXED

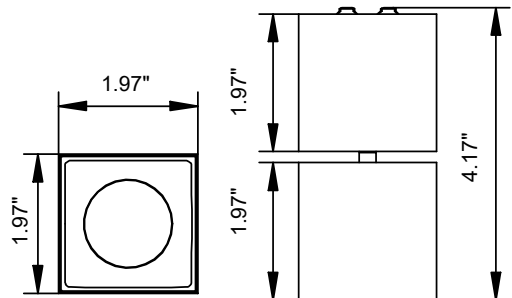
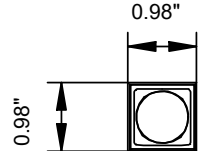
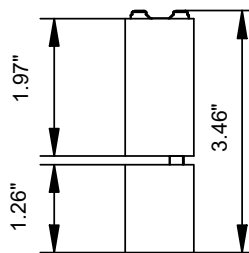


SMALL ADJUSTABLE

## FIXED

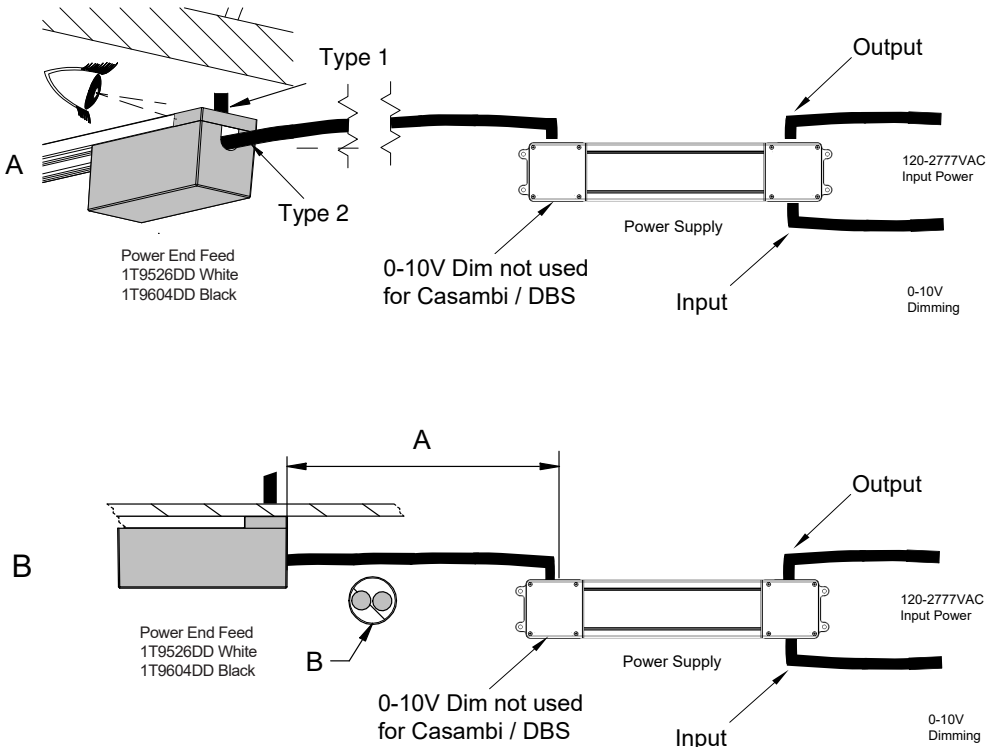


## ADJUSTABLE



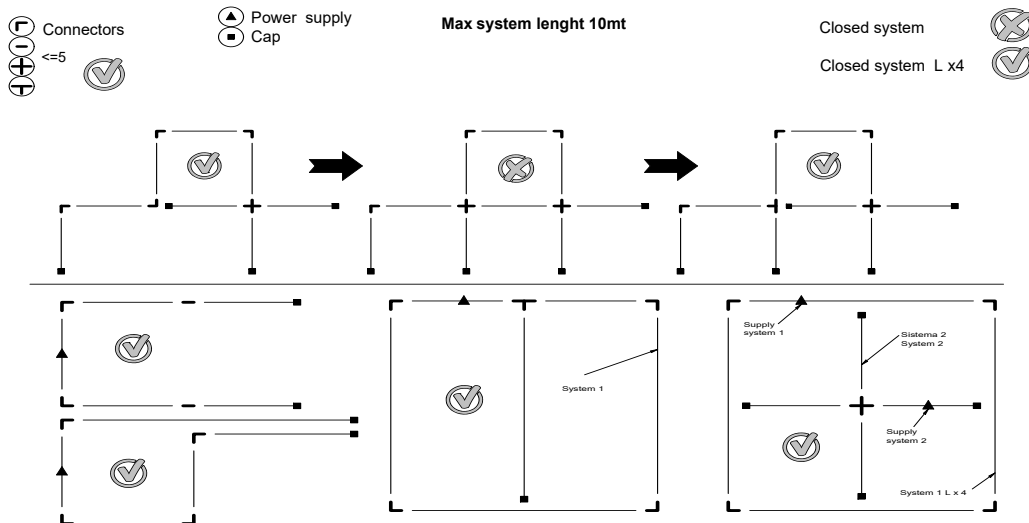
# Power System Setup

- A) The OZ fixtures are powered by a remote 48VDC driver. The driver must be installed in the correct location by the installer, granted that the installer complies to NEC and local building code.
- B) Installer will run class 2 plenum cable from the power feed to the driver. Cable length (A) and gauge (B) will be determined based on installation that complies with NEC, local building code, and voltage drop threshold percentage of <3%.
- i) As a rule of thumb, we recommend installers a max distance of 80 feet with 16 gauge wiring with a full load 96W track system.



# Track Layout

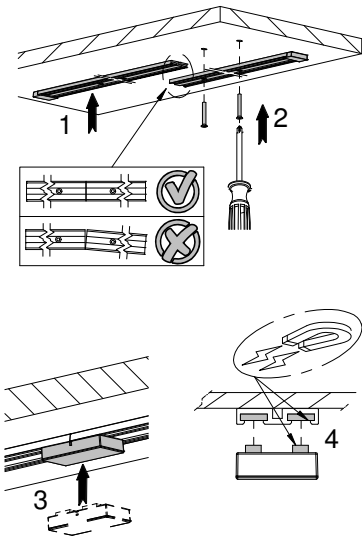
- Installer will set up the track pieces up based on the location of the fixture's layout diagram before assembling the pieces together with the following parameters:
  - Power rails come in 1mt (3.28 ft) and 2mt (6.56 ft) lengths. Max length on one track system is 10mt (32.8 ft).
  - The track layout system comes with four different connector types: linear coupler, L connector, T connector, and X connector. Any of the following connectors may be used for the track system but cannot exceed more than 5 connectors per track system.
  - Each track system is required to come with a power supply and end caps) to power up and cover the ends of the tracks on a track system. There isn't a limit on the amount of end caps that can be used for a track system.
  - All track layout systems must be a closed, end to end system. A track system **cannot have a loop connection inside its system\***. A loop in a track system should be altered to have end points in the track line to complete and correctly power the system.
    - ❖ Note: if the layout of the track system is required to be in a loop, the track layout may only be set up as a separate system using **exactly 4 "L" connectors** for that system. If the customer needs to add any additional connectors, it must be separated in a new system with a new power supply source.
- Once the track system(s))have been identified and laid out following the parameters above,,installer can prep the track system for mounting and installation.



# Mounting Instructions

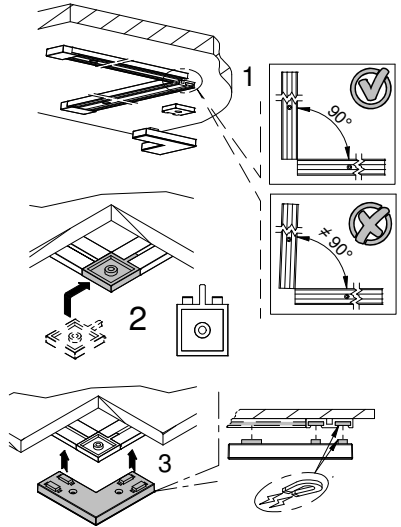
- After the track system(s) have been identified and laid out, installer will first take all the power rail pieces and mount them onto the desired mounting surface. Installer will lay the power rails out straight and screw the mounting screws directly onto the mounting surface flat with the proper mounting screws provided by the installer. Installer must comply with NEC and local building code when mounting the track system.
- When mounting the connectors to interconnect power rails to complete the track circuit, installer must follow the procedure based on the following connectors:
  - Straight connector: Installer will first mount the first rail in the desired position. Then the installer will take the next rail and line the rail up end to end with the first mounted power rail. Once both rails are mounted straight and touching end to end, use the magnetic straight coupler to interconnect them. The magnets automatically attach onto the power rails and interconnects them as one circuit.
  - "L" connector: Installer will first place the two power rails in an L shape position in the desired location. The installer must make sure that both pieces are exactly at 90 degrees before adding the L connector. Once both rails are correctly installed onto the mounting surface, the plastic corner end piece must be screw into position. Once both rails and corner end piece have been installed onto position, place the L shape connector to interconnect both rails, the magnets automatically attach onto the power rails and interconnects them as one circuit.

Straight connector



Straight connector  
1T7016 White  
1T7020 Black

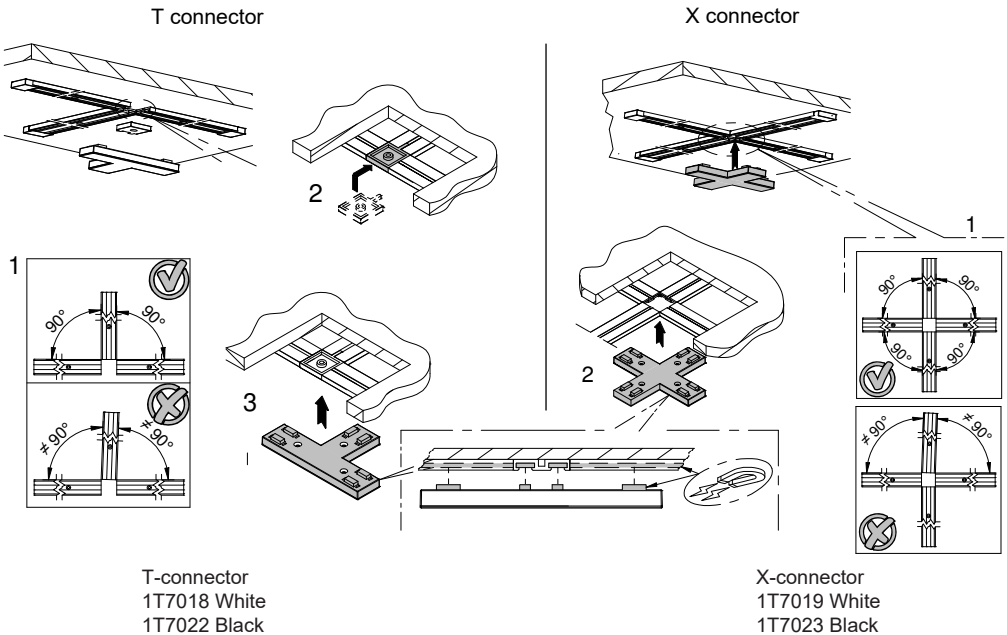
L connector



L connector  
1T7017 White  
1T7021 Black

# Mounting Instructions (cont.)

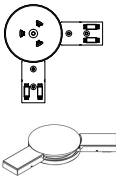
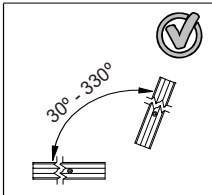
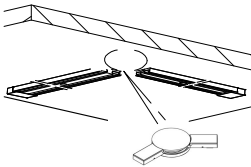
- When mounting the connectors to interconnect power rails to complete the track circuit, installer must follow the procedure based on the following connector(s):
  - "T" connector: Installer will take three power rails and shape them in the T shape position in the desired location of mounting. The installer must make sure that the three pieces are exactly 90 degrees apart from each other. Once the rails are correctly installed on the desired mounting surface, mount the square joiner in between all three rails to join the ends of the rails before attaching the magnetic T connector. Once the square joiner is mounted, attach the T connector on the three power rails. The magnets will automatically attach onto the power rails and interconnect the three power rails as one circuit.
  - "X" connector: Installer will take four power rails and shape them in the X shape position in the desired location of mounting. The installer must make sure that the four pieces are exactly 90 degrees apart from each other. Once the rails are correctly installed on the desired mounting surface, simply place the X connector in the middle all four rails to interconnect all ends of the rails together. The magnets will automatically attach onto the power rails and interconnect the four power rails as one circuit.



# Mounting Instructions (cont.)

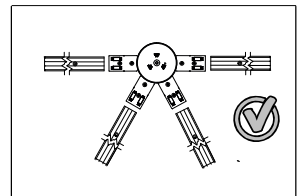
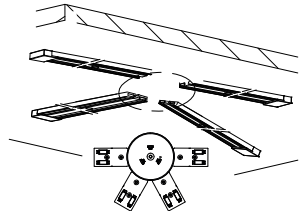
- When mounting the connectors to interconnect power rails to complete the track circuit, installer must follow the procedure based on the following connector(s):
  - Adjustable electrical connector: Installer will take two power rails and shape them in an angle position in the desired location of mounting. The installer must make sure that the two pieces are at least 3 inches apart from each other in order to fit the adjustable connector in between them. Once the rails are correctly installed on the desired mounting surface, mount the adjustable electrical connector in between the rails adjusting the wings onto position. The magnets will automatically attach onto the power rails and interconnect the two power rails as one circuit.
  - Adjustable electrical connector piece joint accessory: Installer will take up to five power rails and shape them in a "star" shape position in the desired location of mounting. The installer must make sure that the five pieces are at least 3 inches apart from each other. Once the rails are correctly installed on the desired mounting surface, take 1 adjustable electrical connector and add three adjustable electrical connector joints to make a "star" like shape connector and place it in the middle of all five rails to interconnect all ends of the rails together as one circuit. The magnets will automatically attach onto the power rails and interconnect the four power rails as one circuit.

## Adjustable Electrical Connector

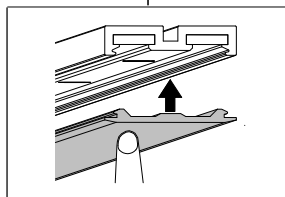


Adjustable Connector  
1T9524 White  
1T9525 Black

## Adjustable Electrical Connector Joint Accessory



Joint Accessory  
1T9579 White  
1T9580 Black

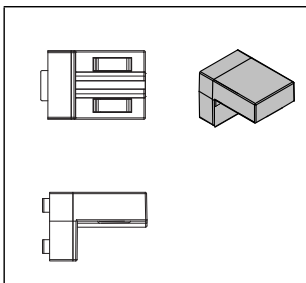
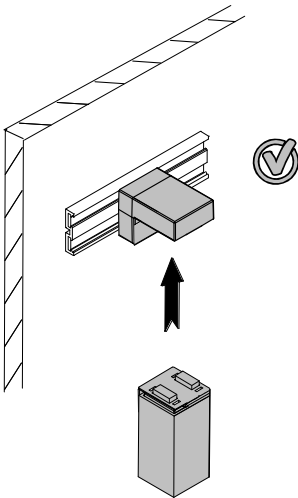


Cover Panel  
1T7938 White  
1T7941 Black

# Mounting Instructions (cont.)

- When mounting the 90° offset mounting support onto the power rails, installer must follow the procedure based on the following connector:
  - 90° Offset mounting support (compatible only with OZ small): Installer will take a power rail and position it on the desired location of mounting, the installer must make sure that the power rail is secured. Once the rail is correctly installed on the desired mounting surface, attach the 90° offset mounting support onto the power rail on the desired position. The magnets will automatically attach onto the power rails, once the 90° offset support is on position, attached the OZ fixture onto the 90° offset support to complete installation.

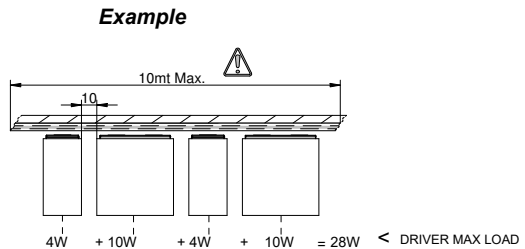
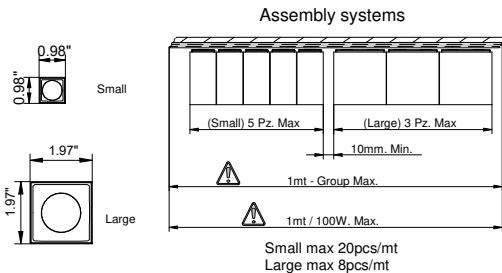
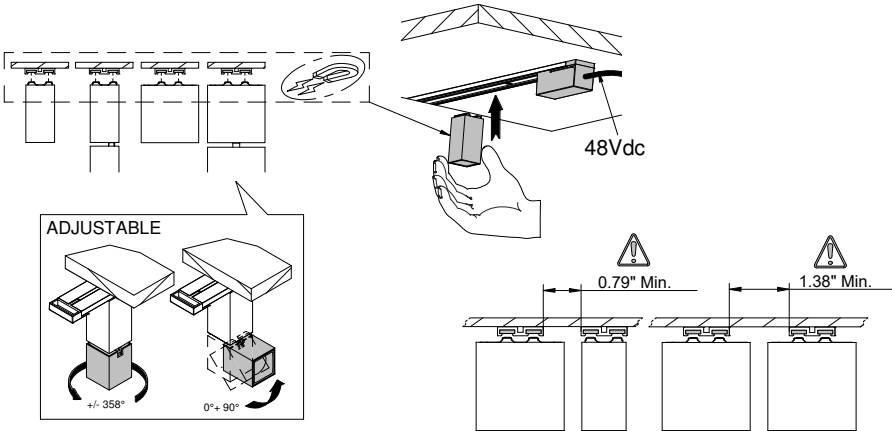
## 90° Offset Mounting Support



90° Offset Mounting Support  
 1T9592 White  
 1T959 Black  
 Not compatible with large

# Fixture Installation

- Once the track system is mounted, it is time to install the fixtures onto the track.
  - Installer will confirm that the remote driver connection is wired up to the power feed. Once the power feed is wired up to the driver, installer will attach the power feed onto the track system (**DO NOT ATTACH THE POWER FEED ON THE TRACK LIVE**).
  - Once the power feed is attached onto the track system, place one of the OZ fixtures onto the track on the desired location. If the OZ fixture is an adjustable fixture, position the optic to illuminate desired area based on the fixture's range of motion capability. The optical head of the fixture can bend vertically up to 90 degrees of motion and rotate around up to 358 degrees on the horizontal plane.
- When attaching the OZ fixtures onto the track system, keep in mind a few precautions to ensure no issues installing these fixtures on the track system:
  - If you are running multiple power rails parallel to one another and are installing fixtures side by side, be sure to give spacing between the two tracks to all spacing when installing the OZ fixtures.
  - Based on the the length of the track, **do not install more than the max amount of fixtures allowed per 1mt power rail**.
  - Be sure when installing the total amount of fixtures on the track system that it **does not exceed past the driver max load of the system**.



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## **Maintenance**

This fixture was designed and manufactured for a durable, long lasting use with minimum care. To ensure the maximum lifespan of this product, we encourage our customers to provide a quality visual inspection of the fixture every six months.

If there are any visible signs of issues (i.e moisture or dust) during the inspection, please clean any of the dust or moisture with a soft cloth and check to make sure that any of the fixtures are still operating normally. If there are any issues regarding the fixture please contact us as we will assist the situation at hand.

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## **Support**

Any questions, problems, or comments you have please feel free to contact our Customer Service department during our business hours Monday-Friday 8am-5pm via: Email: [usaorders@targetti.com](mailto:usaorders@targetti.com)  
Phone: (714) 513-1991

Visit our website: <http://www.targettiusa.com>