Vast EX Grazer Installation Instructions

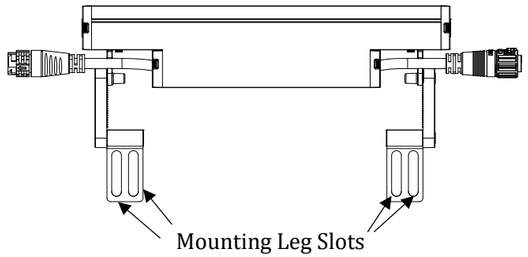
Warnings and Safety

- Please verify the contents of the package!
- Please read instructions before starting the installation.
- Make sure power is off before installing or modifying the system.
- Call Tivoli LLC tech support with any questions.
- This product is designed to work with clean 100-277V AC power only. Use of any other power source will cause damage, shorten the life of the fixture and will void the warranty. It is the manufacturer's recommendation to assure a cumulative leakage current of less than 3.5mA on the control unit.
- **Warning:** With any luminaire for any application, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injuries
- **THIS LIGHTING SYSTEM MUST BE INSTALLED IN ACCORDANCE WITH APPLICABLE INSTALLATION CODES BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.**
- **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.**
- **WARNING!** Risk of Electrical Shock.
- Disconnect power before installing, wiring or servicing fixtures. Fixture has no user-serviceable parts. Do not open fixture compartments, except as noted in this document. Do not apply paint, lubricants or other coatings to fixture, suspension cables or fasteners.
- Pour éviter les risques de chocs électriques, débranchez l'alimentation avant l'installation, le câblage ou l'entretien des luminaires. Le luminaire ne comprend aucun élement réparable par l'utilisateur. N'ouvrez pas les compartiments du luminaire, sauf indication contraire dans ce document. N'appliquez pas de peinture, de lubrifiants ou d'autres revêtements sur le luminaire, les câbles de suspension our les attaches.

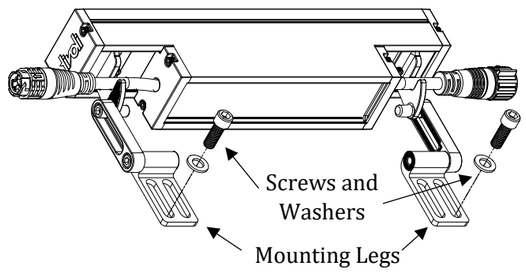
Installation Instructions

NOTE: This product is offered in 1ft and 4ft lengths. Please note which model is being installed and refer to the corresponding instructions.

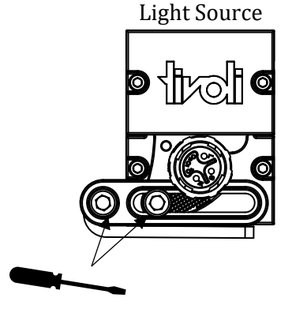
1. Position the fixture on the mounting surface and mark the locations of the mounting holes on the bracket arm (Can drill holes anywhere along Mounting Leg Slots).



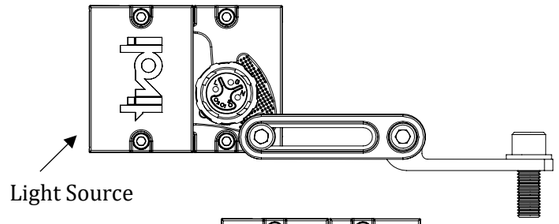
2. Install the mounting legs/ fixture to the mounting surface using screws.

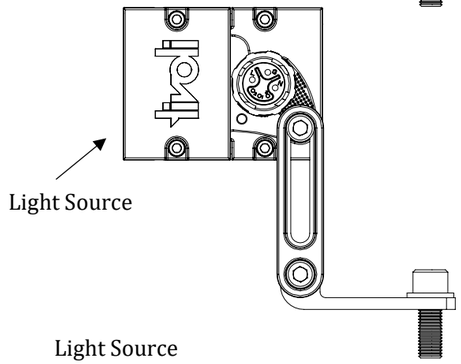


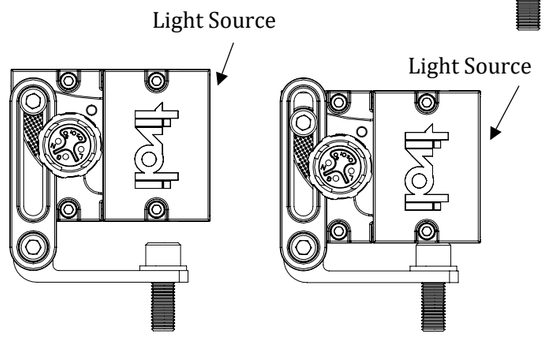
3. With a hex tool, loosen hex screws on mounting legs to adjust fixture angle. Tighten screws when desired orientation is achieved.

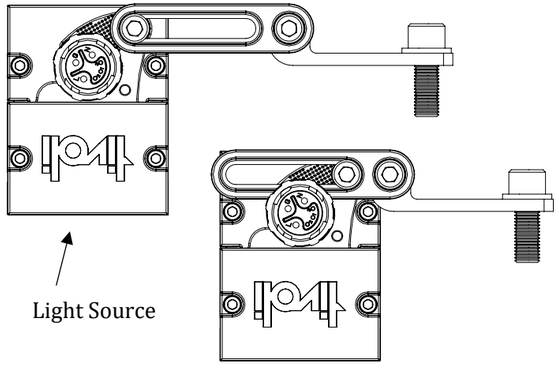


Here are some possible positions:



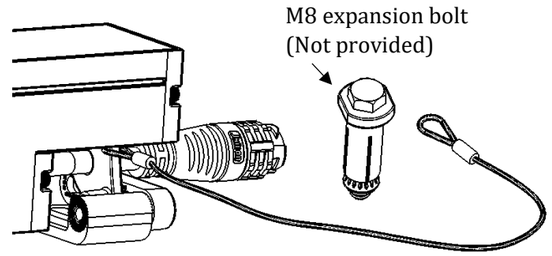


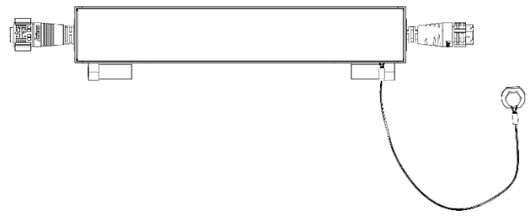




4. The safety cable should be installed based on the conditions at the site. Near the lighting fixture installation location, find a reliable position and install an M8 expansion bolt (not provided). Then secure the safety cable to the expansion bolt.

   If there are other reliable fixing methods available at the installation site, they can also be used, as long as the safety cable is secure and reliably fastened.





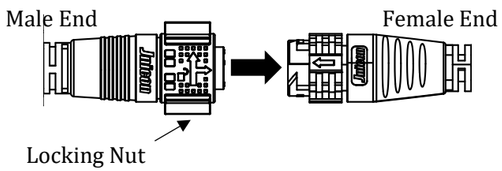
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Vast EX Grazer Installation Instructions

Wiring Instructions

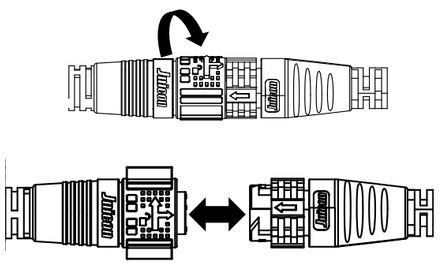
Connecting Instructions

1. Line up male connector to female connector.
2. When connecting, ensure the male end clicks into the female end.



Disconnecting Instructions

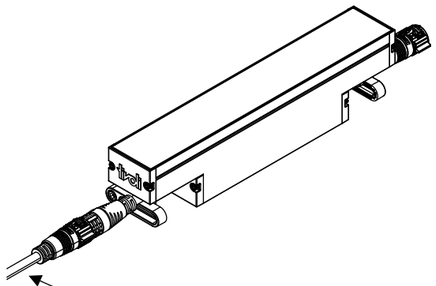
1. Twist the locking nut on male end counterclockwise.
2. Pull apart both connectors.



Powering Vast EX

Insert the power lead cable to the power end side of the fixture and connect to a 100-277AC (50/60 Hz) line. Connect data to DMX controller (VAST EX GRAZER PALETTE ONLY).

NOTE: Refer to related specification sheets for more information and details on other possible configurations. Refer to the related documents of the selected DMX controller for more information on installation and setup.

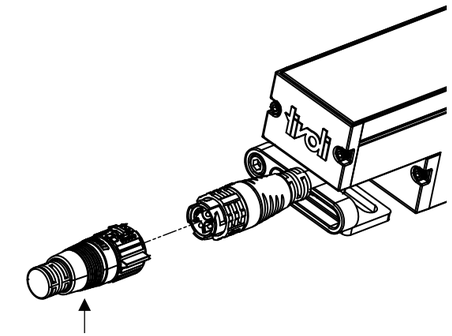


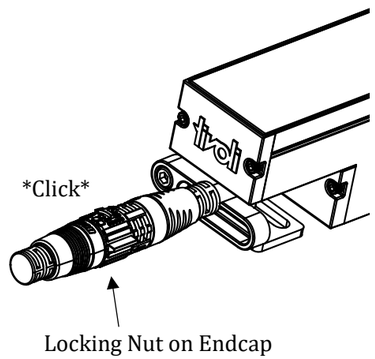
Power Cable Options	Wire Labels
VASTGZEX-T-CONN-PWR VASTGZEX-S-SIG-XX	Black = Line White = Neutral Green = Ground
VASTGZEX-S-SIG-XX (VAST EX GRAZER PALETTE ONLY)	Black = Line White = Neutral Green = Ground Purple = DMX+ Pink = DMX-
VASTGZEX-Y-SIG (VAST EX GRAZER PALETTE ONLY)	Purple = DMX+ Pink = DMX-

Closing Circuit

Insert the end cap at the far end of the fixture, opposite the power side.

NOTE: Ensure that connectors are tightly connected. They lock together with a click.



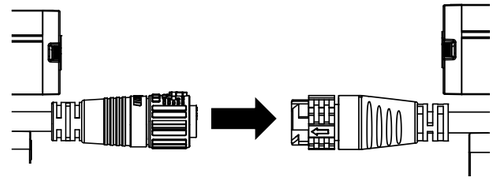


Connecting Multiple Fixtures:

Vast EX Max Run			
Size	**Wattage**	**120V**	**277V**
1FT	12W	54pcs	113pcs
4FT	48W	13pcs	28pcs

There are 2 ways to connect multiple fixtures:

1. Fixture to Fixture:



2. Jumper Cable (VASTGXEX-JUMPER-XX):



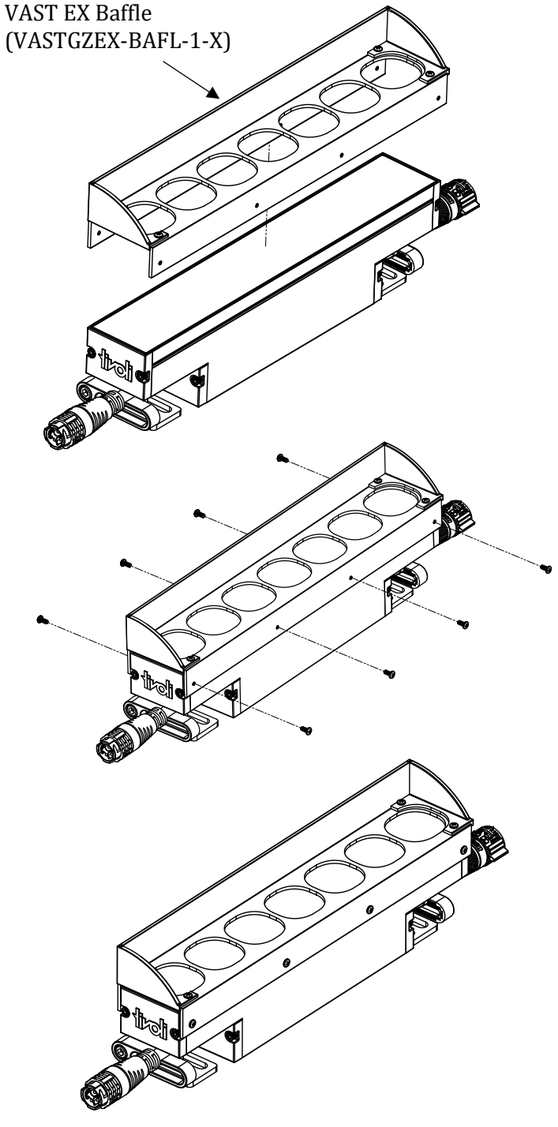
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Vast EX Grazer Installation Instructions

Baffle Installation

1. Place baffle over Vast EX light engine.
    a. Note: For Asymmetrical Baffle (BAFL-1), be mindful of light direction.
2. Secure Baffle by inserting screws into channels on Vast EX side body.

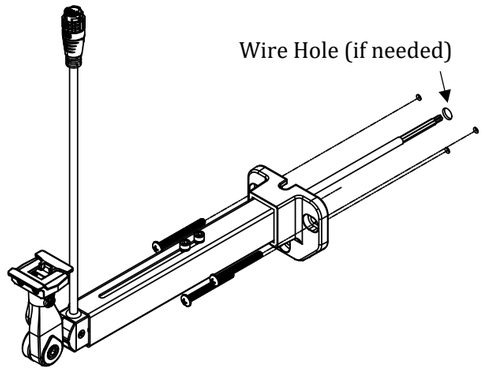
VAST EX Baffle
(VASTGZEX-BAFL-1-X)



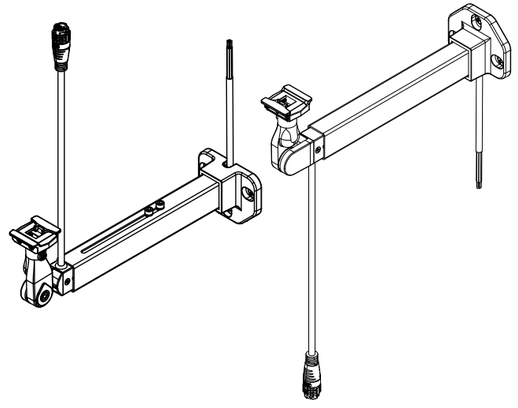
Mounting Arm Installation Instructions

NOTE: For 4ft fixtures, 2x Mounting Arms are needed.

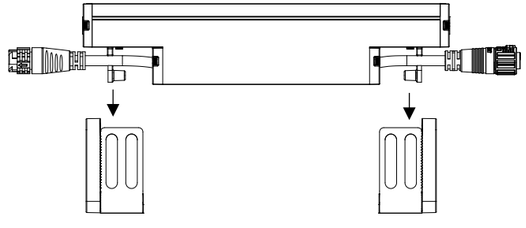
1. Mount the Arm to wall. Power cord can be along or through wall. (Bolts not provided)



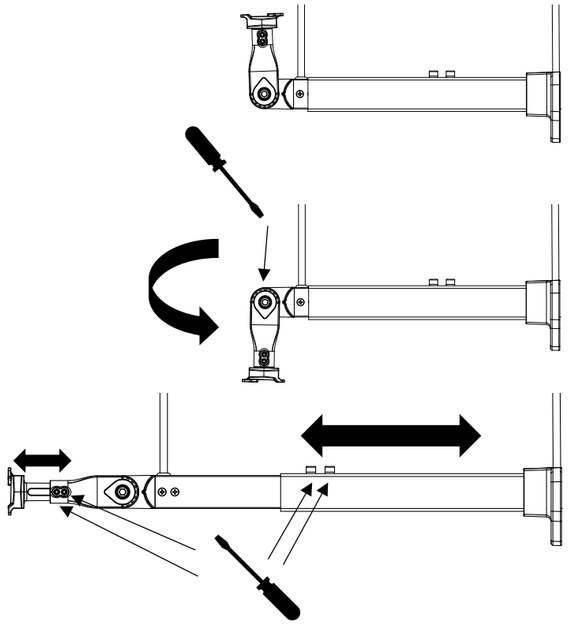
    a. Can be mounted to the wall in many different orientations depending on wireway or light direction needed.



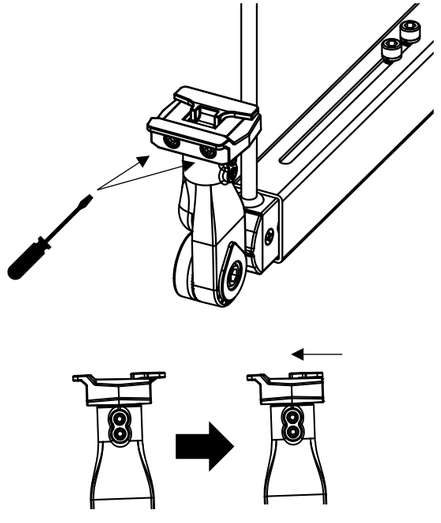
NOTE: Mounting Legs can be removed on VAST EX for a cleaner look on Mounting Arm.



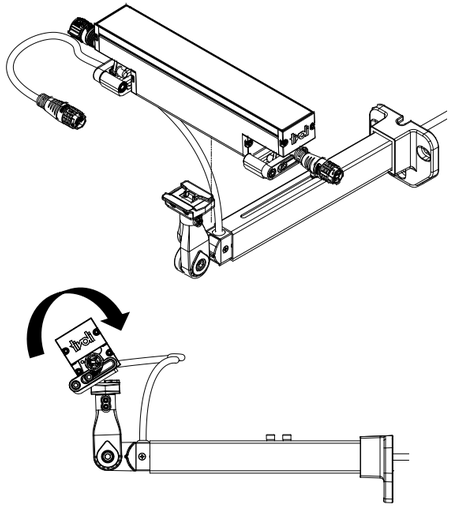
2. Use Hex Tool to adjust length and angle of Mounting Arm to your desired orientation and position.



3. Mount the Vast EX to Mounting Arm.
    a. Use Hex Tool to loosen screws to move locking bracket.



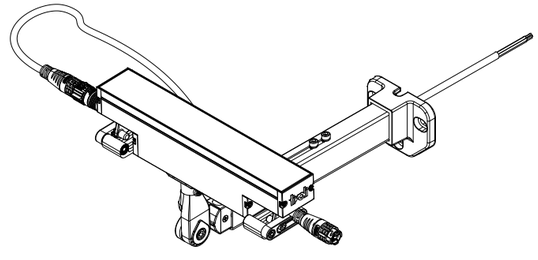
    b. Line up back of Vast EX to Mounting Arm bracket and insert into Vast EX back slot.



    c. Tighten Hex screws such that bracket locks into the back of Vast EX slot.

4. Connect Power to Vast EX.

NOTE: Purple and pink DMX cables are only used with Vast EX Grazer Palette.



Wire Labels
Black = Line
White = Neutral
Green = Ground
Purple = DMX+
Pink = DMX-

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