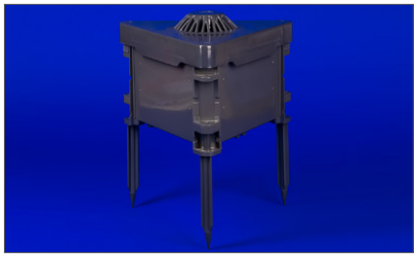
Q-TRIX-B160

Direct Burial Accessories



- 160 cubic inch direct burial splice box or housing for the Q-HEX power supply
- Comes with 3 stakes to allow for a secure ground installation
- The tripod design, with built in power supply, provides the perfect solution for smaller scale landscape lighting applications, or larger jobs where better control of zones is required
- Comes with a 1/2" knockout for mounting a fixture and points for through wiring to other fixtures when using our custom designed Q-CLIK's, inserts and Q-Wire. (see Q-HEX cut sheet for specifications)

1 PRODUCT	2 MODEL
Q-TRIX	B160

Sample Part Number: **Q-TRIX-B160**

1 PRODUCT
Q-TRIX

2 MODEL
B160

CSA CLASS

when used with a Q-HEX power supply

Input	Output (MAX)	CSA Class
120V	12V	3426-04 Luminaires - Landscape Lighting Systems - Component 3426-94 Luminaires - Landscape Lighting Systems - Component - US
120V-277V	12V	3426-94 Luminaires - Landscape Lighting Systems - Component - US
120V-277V	24V	3426-06 Luminaires - Low Voltage Lighting Systems - Components 3426-96 Luminaires - Low Voltage Lighting Systems - Component - US

PRODUCT INFORMATION

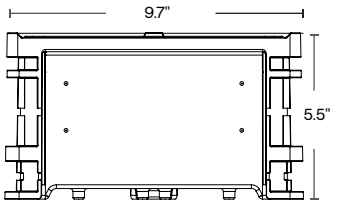
- Housing Dimensions:
  - Enclosure: 9.7"L x 5.5"H
  - Door: 10.00"L x 10.00"W
- 160 cubic inches
- Triangular Shape with ground stakes
- Splice box or direct burial housing
- Rated for in-ground, wet, or dry locations
- 1/2" knockout for mounting fixture
- Points for through wiring to other fixtures
- Modular, allowing for scalling up or down the power supply
- Standards
  - Landscape Lighting
    - CSA C22.2 No. 250.7-07 Extra-low-voltage Landscape Lighting Systems
    - UL 1838 Low Voltage Landscape Lighting Systems
  - Low Voltage Lighting
    - CSA C22.2 No. 250.0-08 Luminaires
    - UL 2108 Low Voltage Lighting Systems

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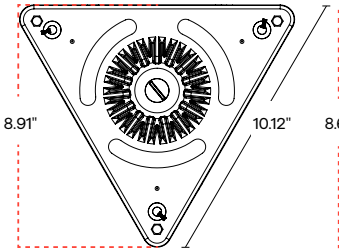
Q-TRIX-B160

Direct Burial Accessories

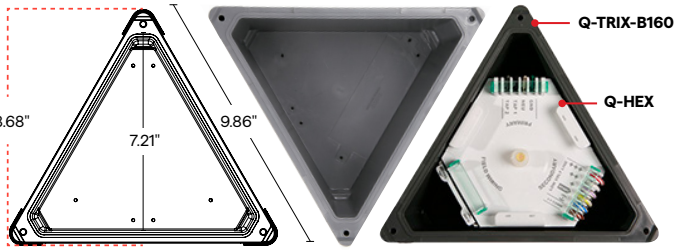
1 PRODUCT - DIMENSIONS



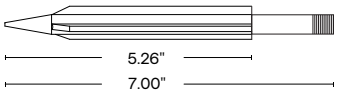
SIDE VIEW



COVER

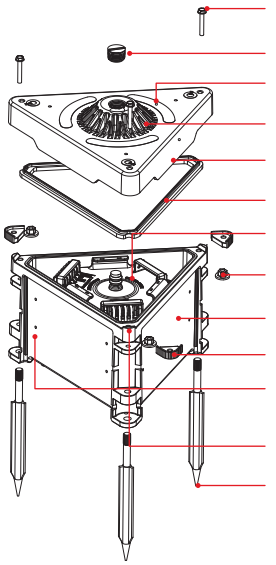


TOP HOUSING VIEW



STAKES (3X)

DETAILS

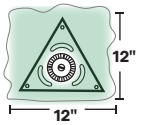


- **A** 1/4-20 BOLTS (3X)
- **B** 1/2" NPT THREADED CAP
- **C** FIELD WRITING TRACK (For unit locating)
- **D** NPT THREADED POST
- **E** HIGH IMPACT DOOR
- **F** DOOR GASKET
- **G** Q-HEX power supply unit
- **H** CHANGEABLE NUT (1/4-20 Nuts (3X))
- **I** HIGH IMPACT HOUSING
- **J** NUT HOLDER (3X)
- **K** DRILL GUIDE - Drill and attach fittings (Q-Click 1/2" & 3/4" fittings permitted)
- **L** GASKET COMPRESSION STOP
- **M** PLANTING STAKES (3X) (Secures unit to the ground)

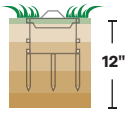
OPTIONS

EXCAVATE (Dig Hole)

TOP VIEW
(Hole Length & Width)

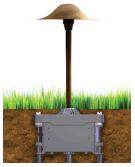


SIDE VIEW
(Hole Depth)



Dig 12" x 12" x 12" hole that housing will fit inside as shown. Bury Q-TRIX-B160 with 2" top exposed.

Mount Lighting Fixture:
Path or Accent Light



See installation instructions for further detail.



HOUSING INSTALLATION

Used with Q-HEX



SPLICE J-BOX

Use water tight connectors Ex: Q-CLIK MST/NPT connectors. (Connectors sold seperately)

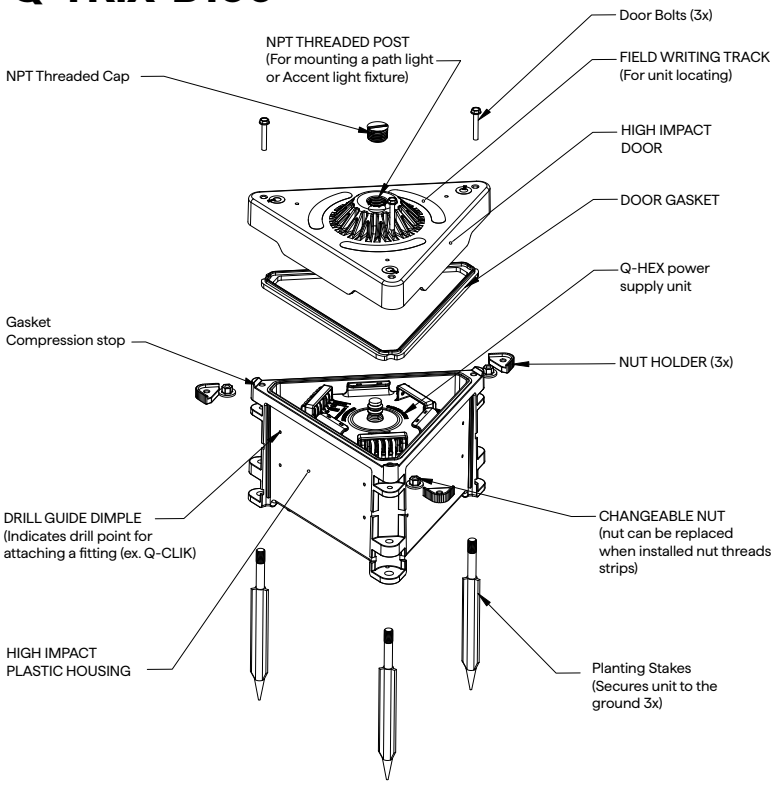
See Q-CLIK and Q-WIRE documentation

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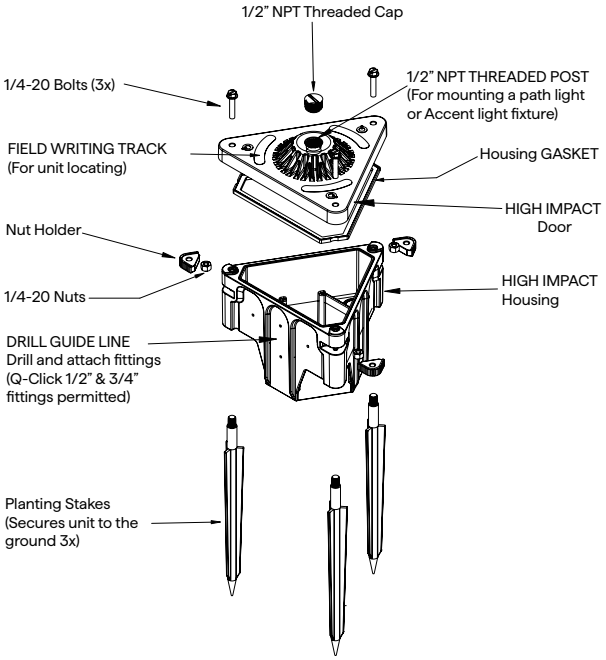
Q-TRIX-B160, Q-TRIX-R50 & Q-HEX

Installation Instructions

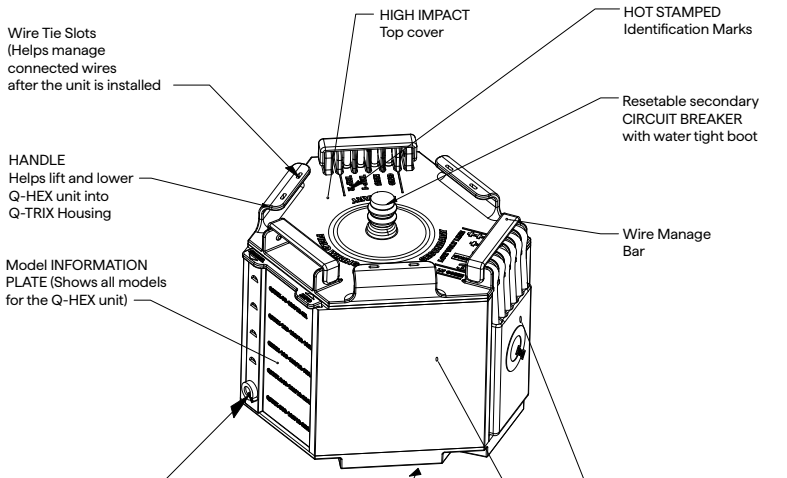
Q-TRIX-B160



Q-TRIX-R50



Q-HEX



TRANSFORMER RANGE:

12V	24V
60W	60W
120W	120W
180W	300W
240W	
300W	

No derating required for incandescent or halogen loads
50% derating required for LED retrofit loads

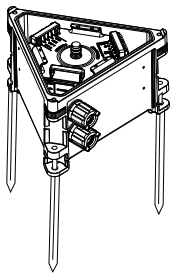
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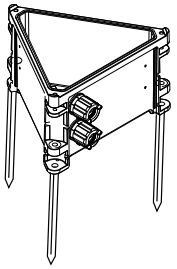
Q-TRIX-B160, Q-TRIX-R50 & Q-HEX

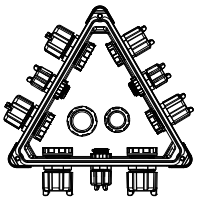
Installation Instructions

Q-TRIX-B160 with Q-HEX



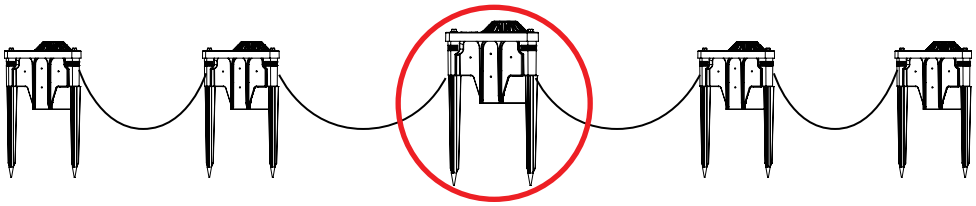
Q-TRIX-B160 without Q-HEX



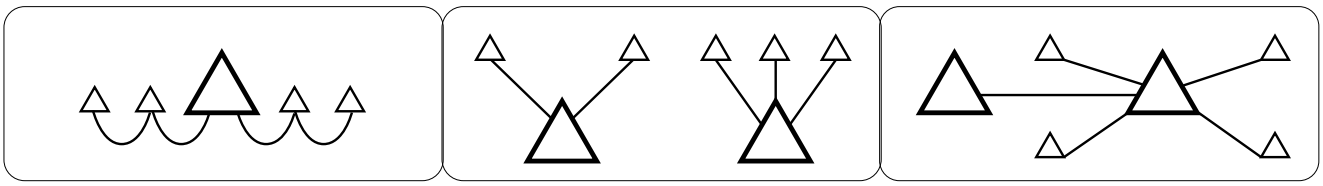


Splice J-Box
(Use water tight connectors
Ex: Q-CLIK MST/NPT connectors.
Connectors sold seperately)

Q-TRIX-R50 (LOAD DISTRIBUTION REMOTE SPLICE BOX)

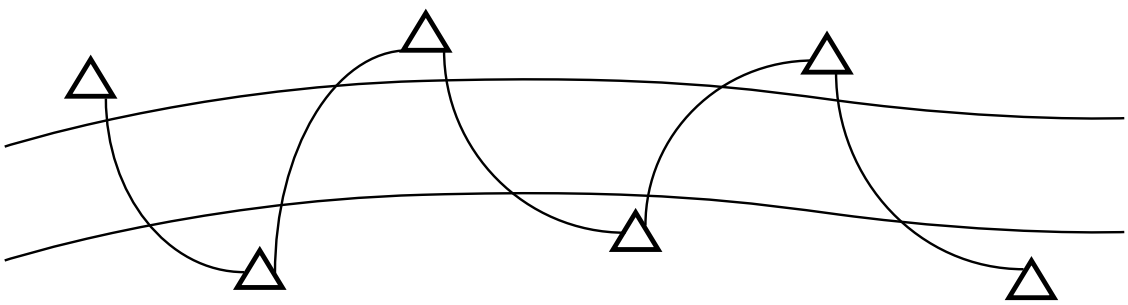


Q-TRIX Direct Burial Design Configuration



(1) Feed from Q-TRIX-B160 unit to Q-TRIX-R50 **(2) Feed from Q-TRIX-B160 unit to Q-TRIX-R50** **(3) Q-TRIX-B160 to B160 to R50 remote boxes**

Pathway example:



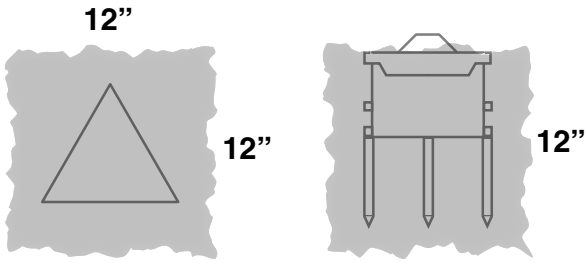
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Q-TRIX-B160, Q-TRIX-R50 & Q-HEX

Installation Instructions

1 EXCAVATE (DIG HOLE)

Dig 12" x 12" x 12" hole that Q-TRIX housing will fit inside as shown.

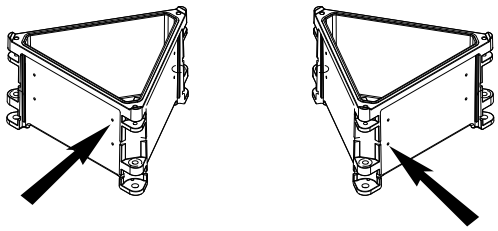


TOP VIEW (Hole Length & Width)

SIDE VIEW (Hole Depth)

2 KNOCKOUT OR DRILL HOLES

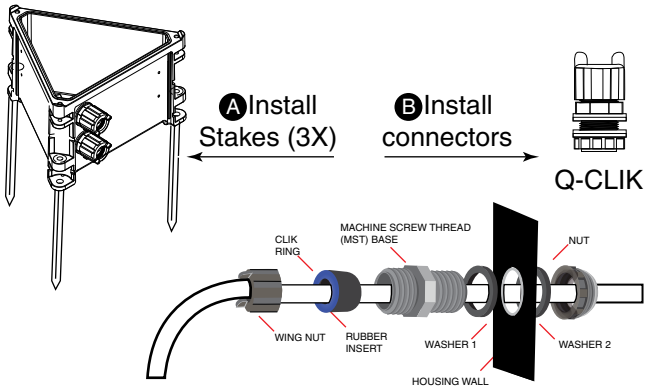
Drill knock out holes for Wire Connectors.
Example: Q-CLIKconnectors.



*Use only these Drill sizes for side Holes: 7/8 for 1/2" KO and 1 1/8 for 3/4" KO

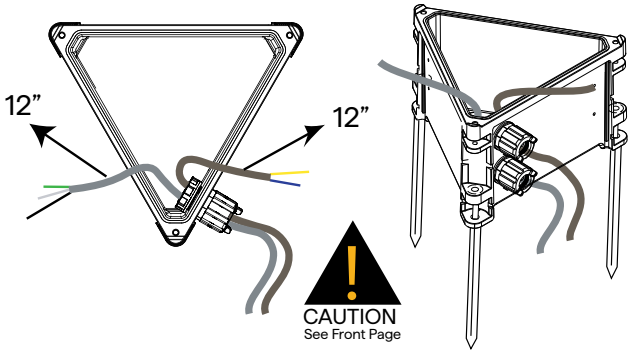
NOTE: Drill only one corner of Q-TRIX housing when installing Q-HEX power supply unit. Maximum of 4x Q-CLIK connectors can be installed. 2x connectors of 1/2" or 3/4" on each side.(Q-CLIK SOLD SEPARATELY)

3 INSTALL CONNECTORS & STAKES



NOTE: Use Q-WIRE & Q-CLIK for water tight installation (Q-WIRE & Q-CLIK sold seperately)

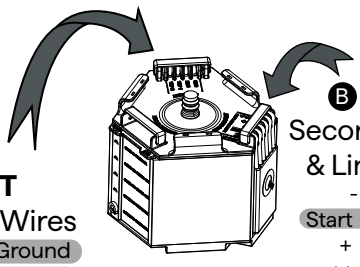
4 RUN FIELD WIRES TO HOUSING



Pull maximum of 12” of primary and Secondary wires into Q-TRIX housing. Use Splice Box R20 for additional wire splicing and Power Distribution.

5 PREPARE Q-HEX WIRE

Pull out the following highlighted wires from their slots.
NOTE: Only pull out wires needed for connection



A INPUT
Primary Wires
Green - Ground
White - Neutral
Black - Tap 1
Grey - Tap 2 (boost tap for dimmer)

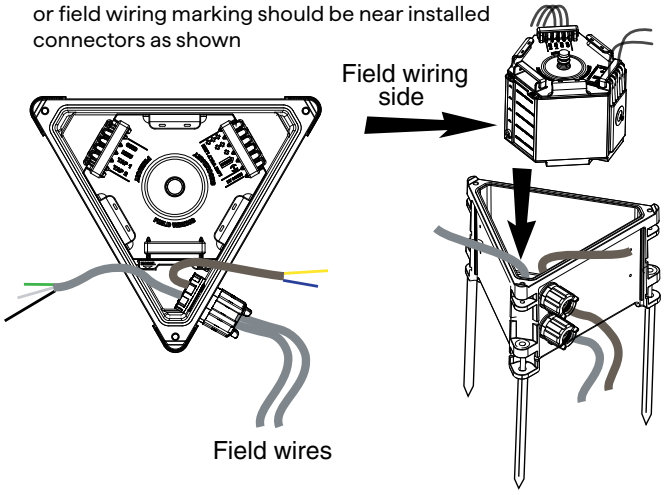
B OUTPUT
Secondary LV Com & Line Side Wires

-	11V
Start	12V
+	13V
++	14V
+++	15V
Com	Bkr.

NOTE: When voltage drops use the next tap on the line side.
Example: + / ++ / +++

6 LOWER Q-HEX INTO Q-TRIX

Q-Hex installation orientation: Information panel or field wiring marking should be near installed connectors as shown



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Specification subject to change. Rev-05-03-24

Q-TRIX-B160, Q-TRIX-R50 & Q-HEX

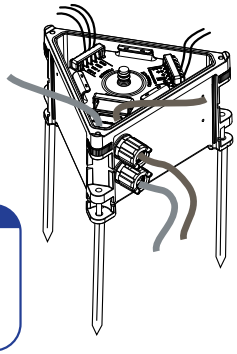
Installation Instructions

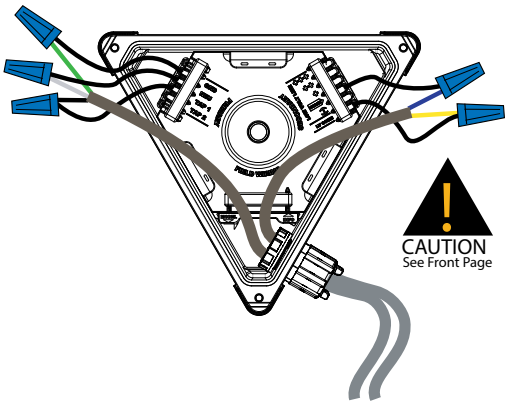
7 CONNECT WIRES

- Use Water tight silicone filled wire nuts to connect all wires in the Q-TRIX Unit (wire nuts not provided).
- Use Q-TRIX-R20 remote box for additional wire splicing or power distribution. (Additional Q-TRIX R20 remote box sold seperately).

AC

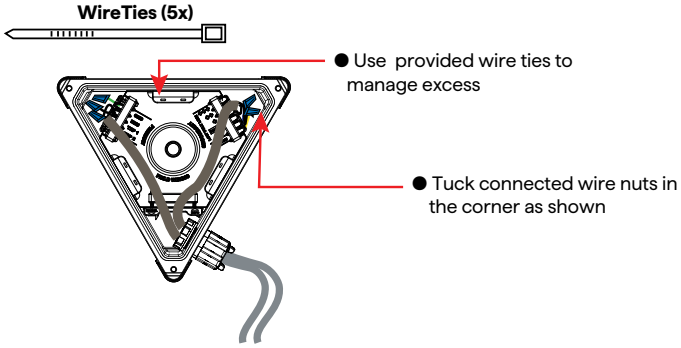
- Connect INPUT load to Primary white / black and green wire
- Connect OUTPUT load to secondary 12v or 24v wire and common wire.

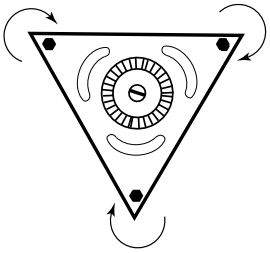




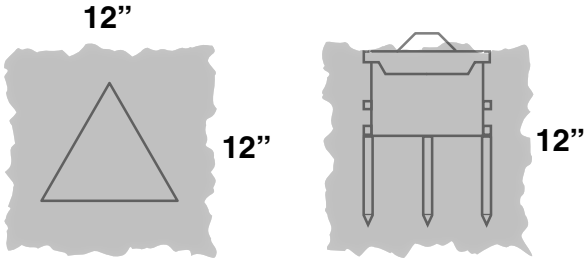
8 PREPARE UNIT TO BE BURIED

•Cover Housing and tightened (3x) 10-32 stainless steel Door Bolts by alternating bolt turns. Tighten bolts at a Maximum torque of 35” lbs.



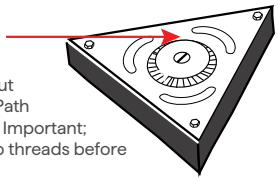


9 BURY Q-TRIX WITH 2" TOP EXPOSED



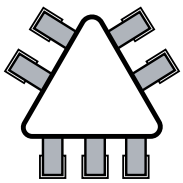
OPTIONAL FIXTURE INSTALLATION ON Q-TRIX UNIT

Remove cap and expose 1/2” NPT threads and knockout center KO to install Path light, or accent light. Important; squeeze silicone into threads before mounting fixture.



10 OPTIONS

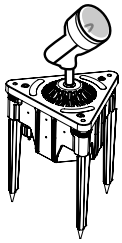
Q-TRIX-R50 SPLICE BOX



Q-TRIX-R50 Housing can be used for wire splicing and power distribution (Q-CLIK 1/2" & 3/4" NPT or MST connectors can be used)

Diagram A

Q-TRIX FIXTURE MOUNT



1/2" NPT threaded Door allows fixture to be mounted on Q-TRIX unit.

Diagram B

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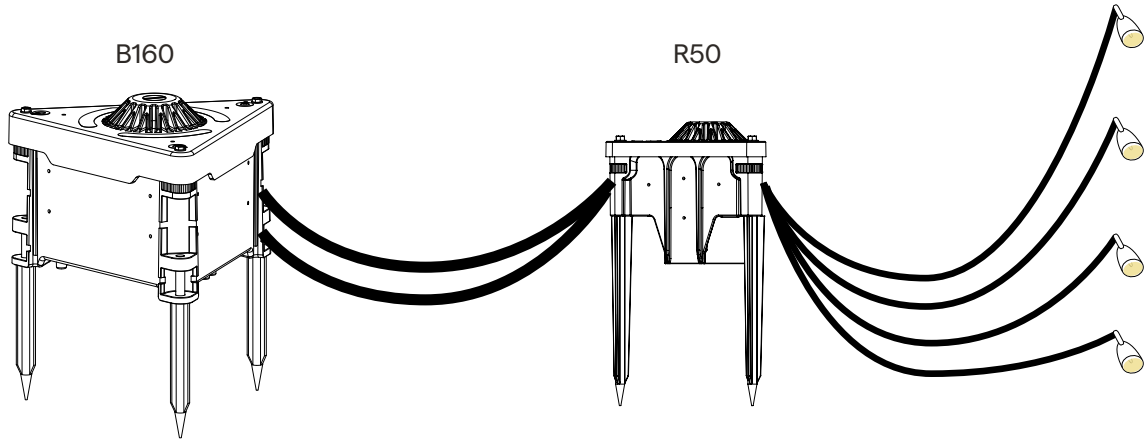
Specification subject to change. Rev-05-03-24

Q-TRIX-B160, Q-TRIX-R50 & Q-HEX

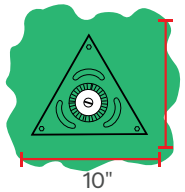
Installation Instructions

Q-TRIX-R50 DIRECT BURIAL SPLICE BOX

Q-TRIX-R50 junction box allows for multiple load distribution from Q-TRIX-B160 unit and can stand alone as a Direct Burial junction box.

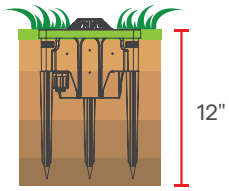


Bury Q-TRIX-R50 with 2" top exposed



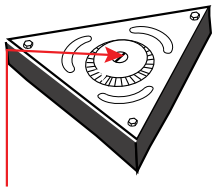
TOP VIEW
(Hole Length & Width)

Bury Q-TRIX-R50 in a 10x10x12 inch dug up hole.

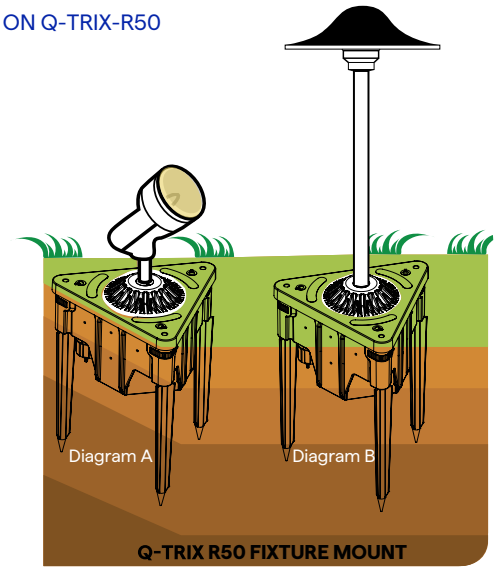


SIDE VIEW
(Hole Depth)

OPTIONAL FIXTURE INSTALLATION ON Q-TRIX-R50 JUNCTION BOX



Remove cap and expose 1/2" NPT threads and knockoutcenter KO to install Path Light, or Accent Light. Important; squeeze silicone into threads before mounting fixture.
(See Diagram A & B)

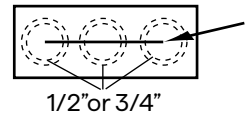


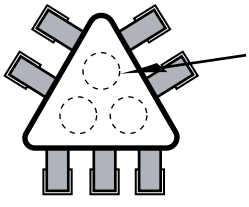
1 **Drill & Make Connections**
Drill holes and connect connectors in 3 possible sides.
NOTE: Use Q-CLIK connectors to ensure watertight connection.
(Q-CLIK sold separetely)

2 **Mount Box to Plate**
Install 3 provided stainless steel #6 screws at the bottom of unit after wire splicing is complete. Turn the R50 sideways and install screws.

3 **Install Stakes**
Install 3 stakes to R50 top plate by screwing the stakes in place in the direction shown.

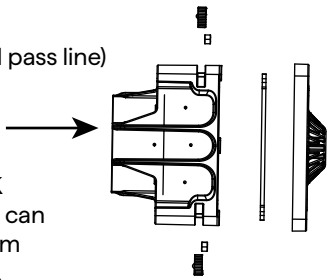
Maximum Q-CLIK connectors that can be used on each side are:

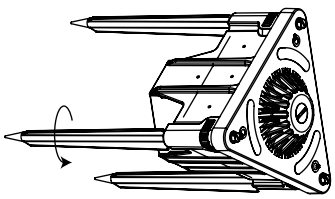




Drill line
(Do not drill pass line)

Any Q-CLIK connectors can be used from the bottom.





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Specification subject to change. Rev-05-03-24