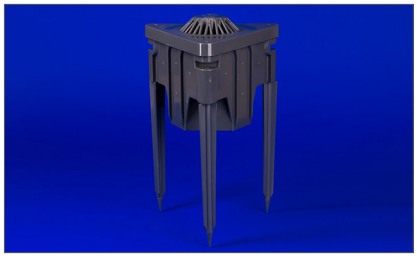
Q-TRIX-R50

Direct Burial Accessories



- 50 cubic inch direct burial splice box or housing for the Q-HEX-mini
- 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 multiple knockouts for through wiring to other fixtures when using our custom designed Q-CLIK's, inserts and Q-Wire. (see Q-HEX-mini cut sheet for specifications)

1 PRODUCT	2 MODEL
Q-TRIX	R50

Sample Part Number: **Q-TRIX-R50**

1 PRODUCT
Q-TRIX

2 MODEL
R50

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

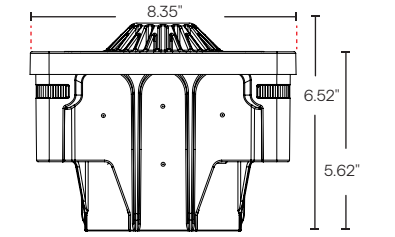
- Housing Dimensions:
  - Enclosure: 8.00"L x 5.62"H
  - Door: 8.35"L x 8.35"W
  - Knockouts: 7
- 50 cubic inches
- Triangular Shape
- 3 stakes for secure mounting
- Rated for in-ground, wet, or dry locations
- Optional wall mount plate
- 3/4"(3x), 1/2"(3x) and 1"(1x) knockouts
- Ability to mount a landscape fixture
- Ability to house Q-Hex-Mini 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

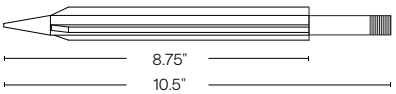
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Q-TRIX-R50

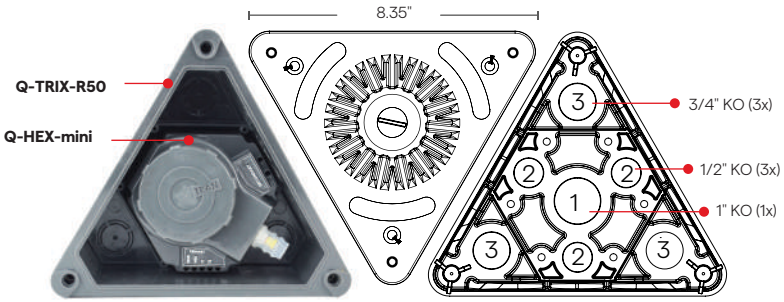
Direct Burial Accessories

1 PRODUCT - DIMENSIONS



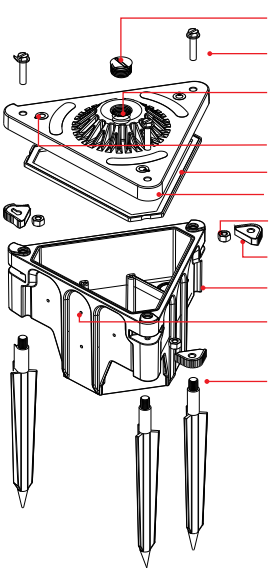


STAKES (3X)



NOTE: Do not use KO (Knock Outs) marked with 1 & 2 when installing the Q-HEX-mini with the Q-TRIX-R50.

DETAILS



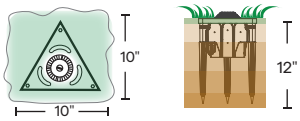
- **A** 1/2" NPT THREADED CAP
- **B** 1/4-20 BOLTS (3X)
- **C** 1/2" NPT THREADED POST (Path light or Accent light fixture)
- **D** FIELD WRITING TRACK (For unit locating)
- **E** HOUSING GASKET
- **F** HIGH IMPACT DOOR
- **G** CHANGEABLE NUT (1/4-20 Nuts (3X))
- **H** NUT HOLDER (3X)
- **I** HIGH IMPACT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

OPTIONS

EXCAVATE (Dig Hole)

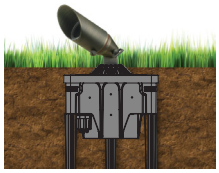
TOP VIEW (Hole Length & Width)

SIDE VIEW (Hole Depth)

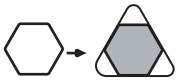


Dig 10" x 10" x 12" hole that housing will fit inside as shown. Bury Q-TRIX-R50 with 2" top exposed.

Mount Lighting Fixture: Path or Accent Light



See installation instructions for further detail.



HOUSING INSTALLATION
Used with Q-HEX-mini



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

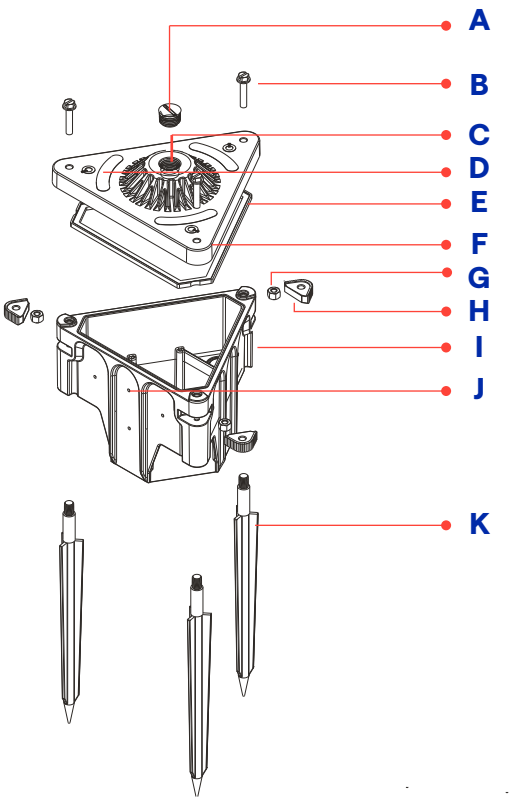
See Q-CLIK and Q-WIRE documentation

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Q-TRIX-R50 & Q-HEX-mini

Installation Instructions

Q-TRIX (R) Remote Box Details



A: 1/2" NPT Threaded Cap

B: 1/4-20 Bolts (3x)

C: 1/2" NPT THREADED POST
(For mounting a path light or Accent light fixture)

D: FIELD WRITING TRACK
(For unit locating)

E: Housing GASKET

F: HIGH IMPACT Door

G: 1/4-20 Nuts

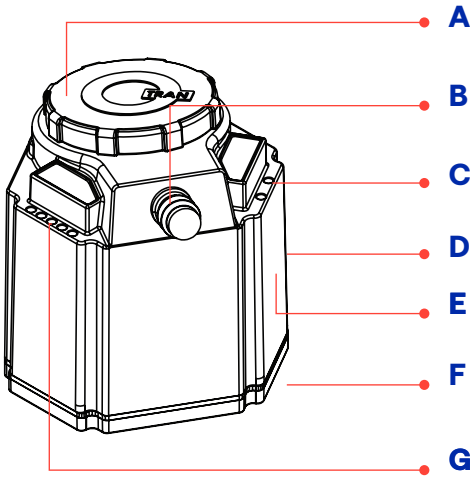
H: Nut Holder

I: HIGH IMPACT Housing

J: DRILL GUIDE - Drill and attach fittings
(Q-Click 1/2" & 3/4" fittings permitted)

K: Planting Stakes
(Secures unit to the ground 3x)

Q-HEX-mini (Power Supply) Details



A: HIGH IMPACT
Top Cap

B: Resetable secondary
CIRCUIT BREAKER
with water tight boot

C: Secondary wires

D: Label

E: Sec. WIRE COMPARTMENT
(wire leads held in an individual Secure Tube)

F: HIGH IMPACT BOTTOM COVER

G: Primary wires

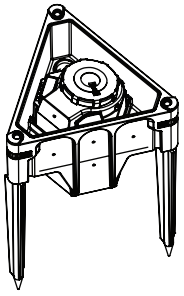
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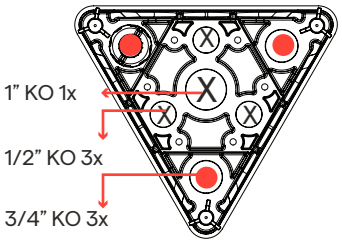
Specification subject to change. Rev-06-29-26

Q-TRIX-R50 & Q-HEX-mini

Installation Instructions

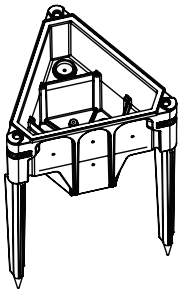
Q-TRIX-R50 with Q-HEX-mini

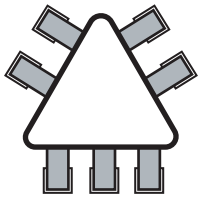




*Do not use KO (Knock Outs)marked with X when installing the Q-HEX MINI with the Q-TRIX-R50.

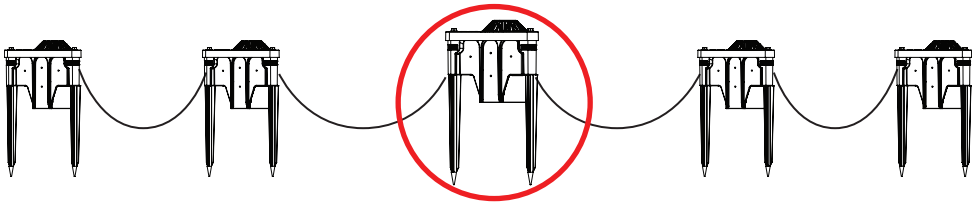
Q-TRIX-R50 without Q-HEX-mini



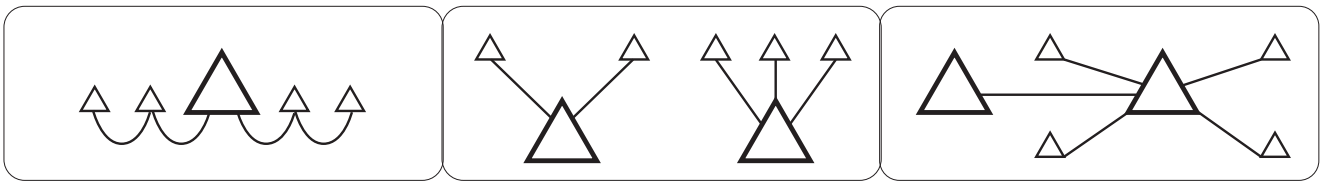


Splice J-Box
(Use water tight connectors
Ex: Q-CLIK MST/NPT connectors.
Connectors sold seperately)

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

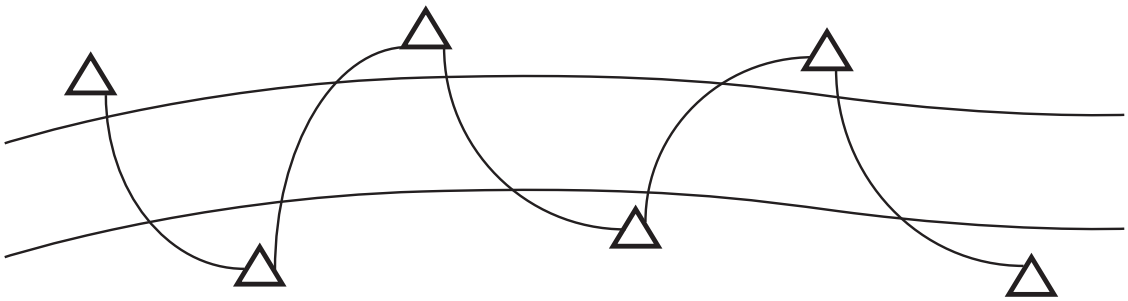


Q-TRIX Direct Burial Design Configuration



(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:



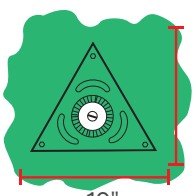
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Q-TRIX-R50 & Q-HEX-mini

Installation Instructions

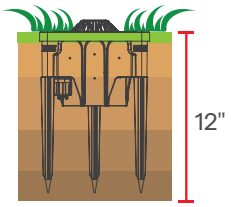
1 EXCAVATE (DIG HOLE)

Dig 10" x 10" x 12" hole that Q-TRIX-R50 housing will fit inside as shown.



TOP VIEW
(Hole Length & Width)

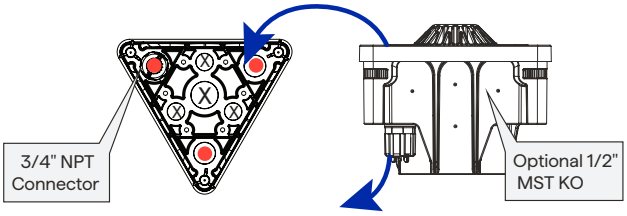
Bury Q-TRIX-R50 in a 10x10x12 inch dug up hole.



SIDE VIEW
(Hole Depth)

2 KNOCKOUT OR DRILL HOLES

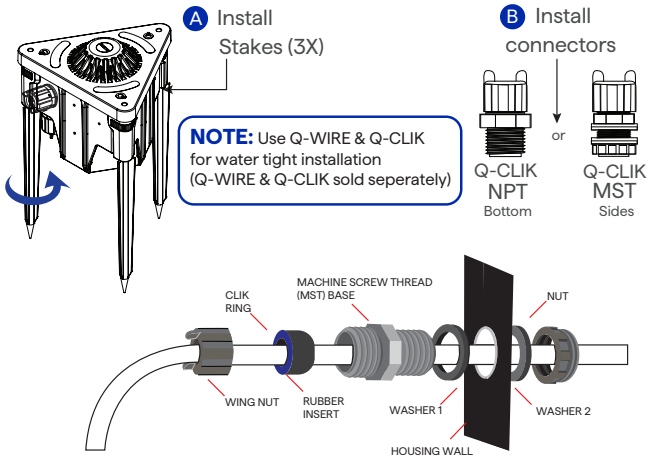
Drill knock out holes for Wire Connectors.
Example: Q-CLIK connectors.



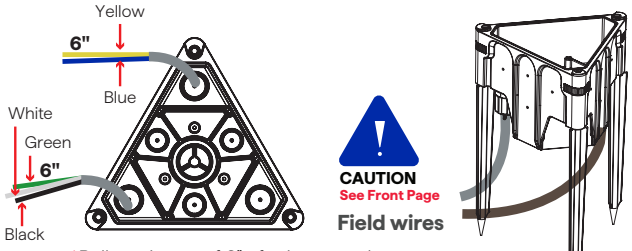
*Use only these Drill sizes for side Holes: 7/8 for 1/2" KO and 1 1/8 for 3/4" KO

NOTE: Drill only TOP KO holes of Q-TRIX-R50 housing,or useonly outer Knockouts on the bottom when installing Q-HEX mini power supply unit. Maximum 3x Q-CLIK connectors can be installed at the bottom or 3x on either side or the Housing. 3xconnectors of 1/2" or 3/4" on each side. Use 3/4" connector on bottom. (Q-CLIK SOLD SEPARATELY)

3 INSTALL CONNECTORS & STAKES

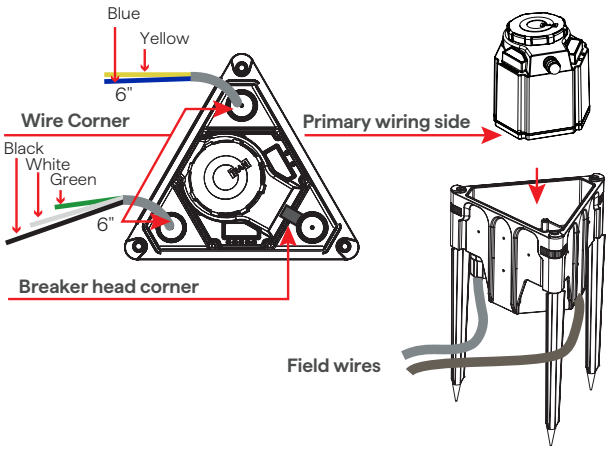


4 RUN FIELD WIRES TO HOUSING



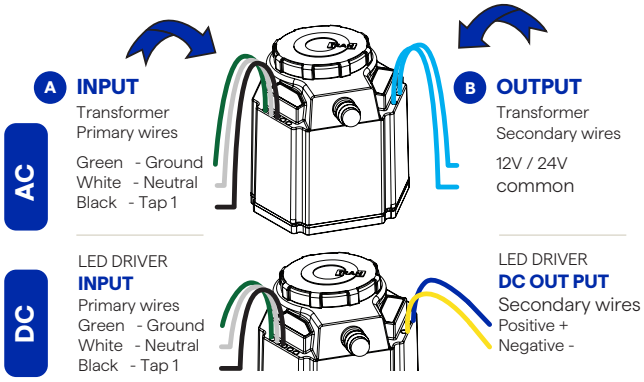
*Pull maximum of 6" of primary and Secondary wires into Q-TRIX-R50 housing.

5 LOWER Q-HEX-mini INTO Q-TRIX-R50



6 PREPARE Q-HEX-mini WIRE

Understand the following highlighted wires
NOTE: Strip ends for wire nut connection



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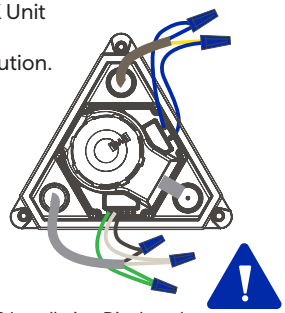
Q-TRIX-R50 & Q-HEX-mini

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	DC
● Connect INPUT load to Primary white / black and green wire ● Connect OUTPUT load to secondary 12v or 24v wire and common wire.	● Connect INPUT load to Primary Blue wires VAC ● Connect OUTPUT load to secondary +Yellow / - Black wire



AC Installation Displayed

CAUTION

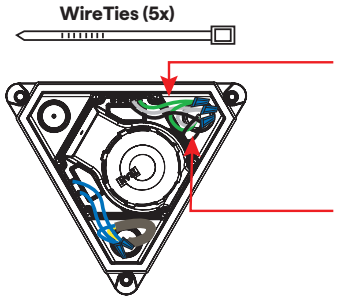
Secondary Breaker Amperage

Amps	Max 12V Load	Max 24V Load	Wire Color
2.5	-	60W	Brown/White
5	60W	120W	Brown/White
7.5	-	180W	Brown/White
10	120W	240W	Brown/White
12.5	-	300W	Brown/White
15	180W	-	Brown/White
20	240W	-	Brown/White
25	300W	-	Brown/White

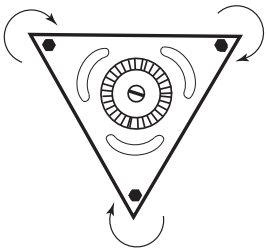
NOTE: Wires may be solid or striped

8 PREPARE UNIT TO BE BURIED

- Cover Housing and tightened (3x) 1/4-20 stainless steel Door Bolts by alternating bolt turns. Tighten bolts at a Maximum torque of 25" lbs.

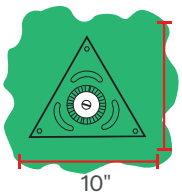


AC Installation displayed



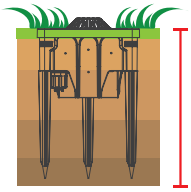
9 BURY Q-TRIX WITH 2" TOP EXPOSED

BURY Q-TRIX WITH 2" TOP EXPOSED



TOP VIEW
(Hole Length & Width)

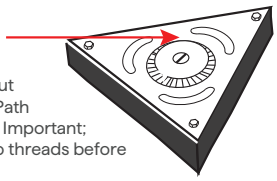
Bury Q-TRIX-R50 in a 10x10x12 inch dug up hole.



SIDE VIEW
(Hole Depth)

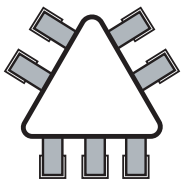
OPTIONAL FIXTURE INSTALLATION ON Q-TRIX UNIT

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

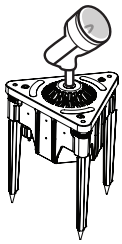
Q-TRIX-R50 SPLICE BOX



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

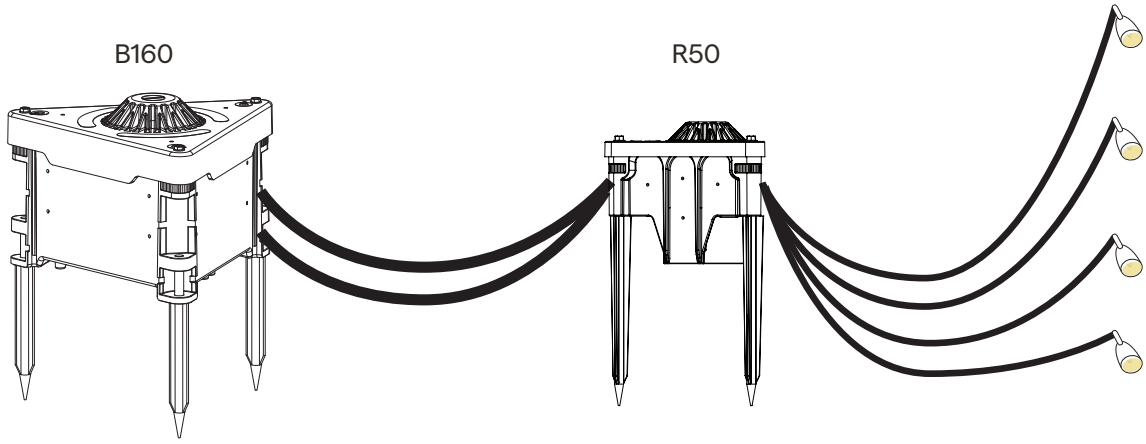
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Q-TRIX-R50 & Q-HEX-mini

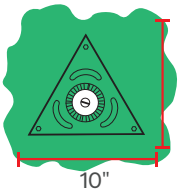
Installation Instructions

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.

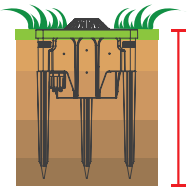


Bury Q-TRIX-R50 with 2" top exposed



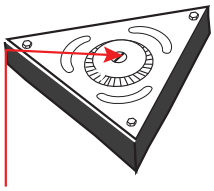
TOP VIEW
(Hole Length & Width)

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

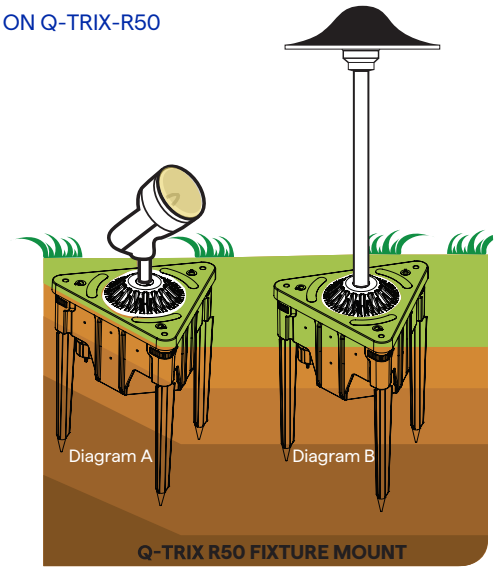


SIDE VIEW
(Hole Depth)

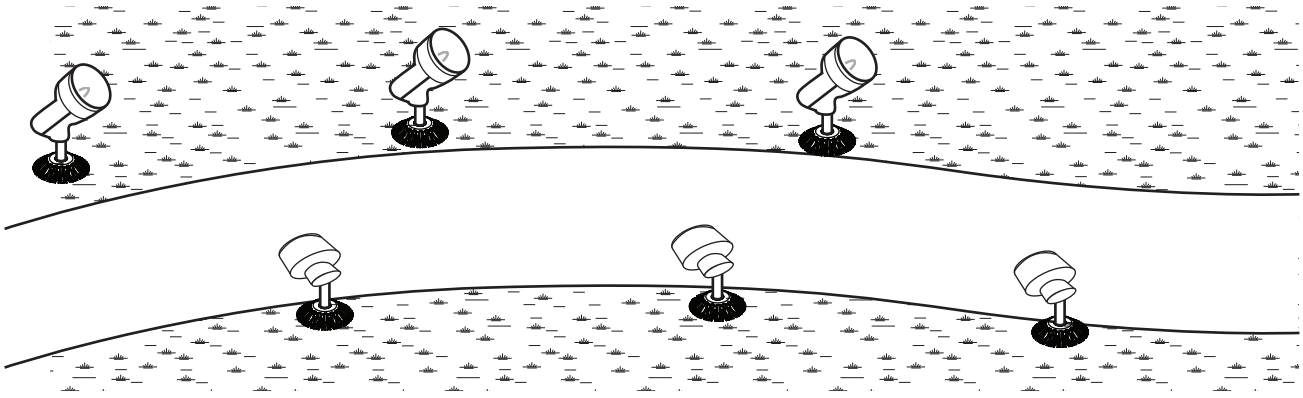
OPTIONAL FIXTURE INSTALLATION ON Q-TRIX-R50 JUNCTION BOX



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)



Pathway example:



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