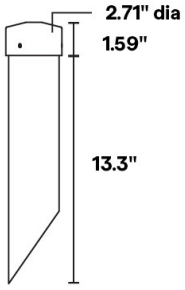
Q-MT-45

Direct Burial Mount





1 PRODUCT	2 MATERIAL	3 PVC STAKE LENGTH	4 FINISH
Q-MT-45			

Sample Part Number: **Q-MT-45-A-12-SL**

1 PRODUCT

Q-MT-45

2 MATERIAL

A	6061 Aluminum Anodized and Powder Coated
B	Brass H59
SS	Stainless Steel 316L

3 PVC STAKE LENGTH

12	12" PVC Stake
18	18" PVC Stake

4 FINISH

BG	Beige
BB	Black Bronze
BK	Black
BKT	Black Texture
BZ	Bronze
BZT	Bronze Texture
SL	Silver
WH	White
CU	Custom

Lead times differ. BZT parts are readily available. All other standard finishes are painted upon order. Custom finishes: consult factory

P	Polished

Brass and Stainless Steel have longer lead times: consult factory

5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance

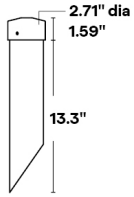
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Specification subject to change. Rev-07-23-26

Q-MT-45

Direct Burial Mount

1 PRODUCT - DIMENSIONS



Q-MT-45

4 FINISH

ALUMINUM POWDER COAT FINISHES

Lead times differ. BZT parts are readily available. All other standard finishes are painted upon order. Custom finishes: consult factory



Beige

Black Bronze

Black

Black Texture



Bronze

Bronze Texture

Silver

White

BRASS AND STAINLESS STEEL POLISHED FINISHES

Brass and Stainless Steel have longer lead times: consult factory



Polished Brass

Polished Stainless Steel

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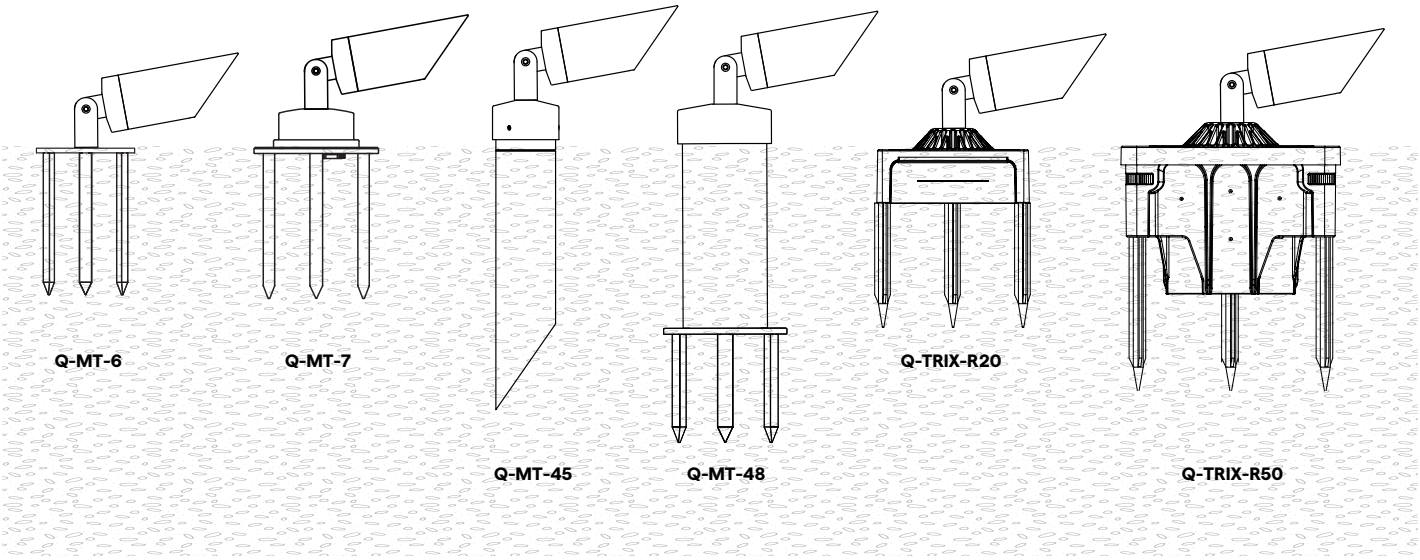
DIRECT BURIAL

Landscape Lighting Installation Instructions

ATTENTION: Please read all instructions BEFORE installation

- Product must be installed by a licensed electrician. Field modifications void the warranty.
- Warranty is valid only with QTL power supplies.
- Diagrams are for representation only and are not to scale.
- DO NOT cover the luminaire with soil or mulch.
- Squeeze silicone into the NPT threads on Q-TRIX units before mounting the fixture.
- Burial cable must be rated for direct burial and buried a minimum of 6" deep.
- J-BOX, connectors, and wire are supplied by the installer.
- Use a liquid-tight connector for 120V wire entry to the Q-MT-48.
- Voya 3.5 fixture shipped installed on the mounts - Q-MT-48, Q-MT-49 or Q-MT-50. Follow instructions for how to splice wires

METHODS OF INSTALLATION



- LUMINAIRE & MOUNT COMPATIBILITY (PAGE 2)
- COMPONENTS & HARDWARE (PAGE 3)
- SURFACE PREP (PAGE 4)
- DIRECT BURIAL - NO DRIVER (ND) (PAGE 5-9)
- DIRECT BURIAL - WITH DRIVER (WD) (PAGE 10-11)
- DIRECT BURIAL - DRIVER WITH DIMMER (PAGE 12-13)
- DIRECT BURIAL - Q-TRIX (PAGE 14-15)

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LUMINAIRE & MOUNT COMPATIBILITY

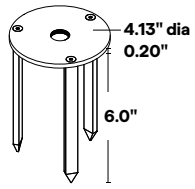
	Q-MT-6	Q-MT-7	Q-MT-45	Q-MT-48 (ND)	Q-MT-48 (WD)	Q-TRIX-R20 (ND)	Q-TRIX-R50 (WD)
VOYA-EM-1.75-MR11-12VAC	✓	✓	✓			✓	✓
VOYA-EM/SM-2.5	✓	✓	✓			✓	✓
VOYA-EM/SM-3.0-PAR20/GU10				✓			
VOYA-EM/SM-3.5-COB-120VAC					✓		
Excelsior UL-1	✓	✓					
Excelsior UL-1L	✓	✓					
Excelsior UL-2	✓	✓					
Excelsior UL-2L	✓	✓					
Excelsior UL-4	✓	✓					
Excelsior UL-4L	✓	✓					
Excelsior UL-5	✓	✓					
Excelsior UL-5L	✓	✓					
Excelsior UL-6	✓	✓					
Excelsior UL-6L	✓	✓					
Excelsior UL-7	✓	✓					
Excelsior UL-7L	✓	✓					
Excelsior PL-1	✓	✓	✓				
Excelsior PL-2	✓	✓	✓				
Excelsior PL-3	✓	✓	✓				
Excelsior PL-4	✓	✓	✓				
Excelsior PL-10	✓	✓	✓				
Excelsior PL-11	✓	✓	✓				
Excelsior PL-15	✓	✓	✓				
Excelsior PL-23	✓	✓	✓				
Excelsior PL-7	✓	✓	✓				
Excelsior PL-7L	✓	✓	✓				
Excelsior PL-27	✓	✓	✓				
Excelsior PL-28	✓	✓	✓				
Excelsior PL-5	✓	✓	✓				
Excelsior PL-6	✓	✓	✓				

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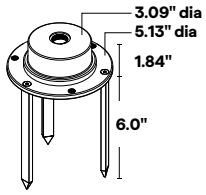
DIRECT BURIAL

Landscape Lighting Installation Instructions

Q-MT-6

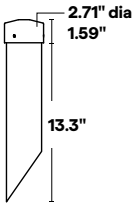


Q-MT-7

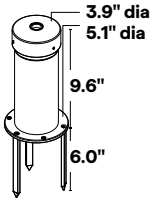


With Water Protection

Q-MT-45

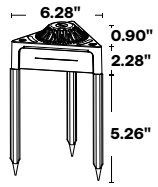


Q-MT-48



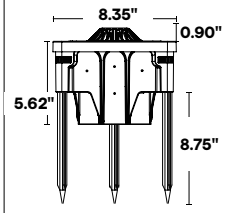
With Water Protection
ND (No Driver) | WD (With Driver)

Q-TRIX-R20



With Water Protection
ND (No Driver)

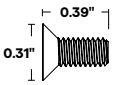
Q-TRIX-R50



With Water Protection
WD (With Driver)

COMPONENTS & HARDWARE

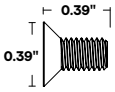
PROVIDED HARDWARE



#PN	QTY
Q-MT-7	3

M4x10mm

FLAT HEAD HEX SCREW



#PN	QTY
Q-MT-6	3
Q-MT-7	3

M5x12mm

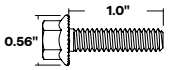
PHILLIPS FLAT HEAD SCREW



#PN	QTY
Q-MT-45	3

M5x6mm

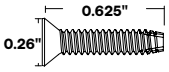
SET SCREW



TYPE	QTY
SCREWS For Q-TRIX-R50	3

1/4"-20x1"

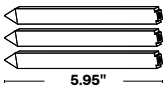
SERRATED-FLANGE HEX HEAD SCREWS



TYPE	QTY
SCREWS For Q-TRIX-R20	3

6-32x5/8"

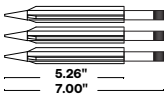
PHILLIPS FLAT HEAD THREAD SCREW



#PN	QTY
Q-MT-6	3
Q-MT-7	3
Q-MT-48	3

Stake: Use M5×12mm Phillips FH screws

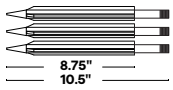
PLANTING STAKE



TYPE	QTY
STAKE	3

Stake for Q-TRIX-R20

PLANTING STAKE



TYPE	QTY
STAKE	3

Stake for Q-TRIX-R50

PLANTING STAKE

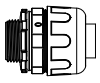
RECOMMENDED HARDWARE



#PN	QTY
Q-MT-6	1

1/2-14 NPS HEX NUT

HEX NUT / JAM NUT

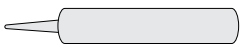


#PN	QTY
Q-MT-7	1
Q-MT-48	1

1/2" Liquid-Tight Connector
(By Others)

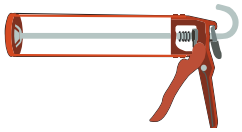
CONDUIT CONNECTOR

SUGGESTED TOOLS/MATERIALS



Waterproof Silicone

ALL PURPOSE SILICONE

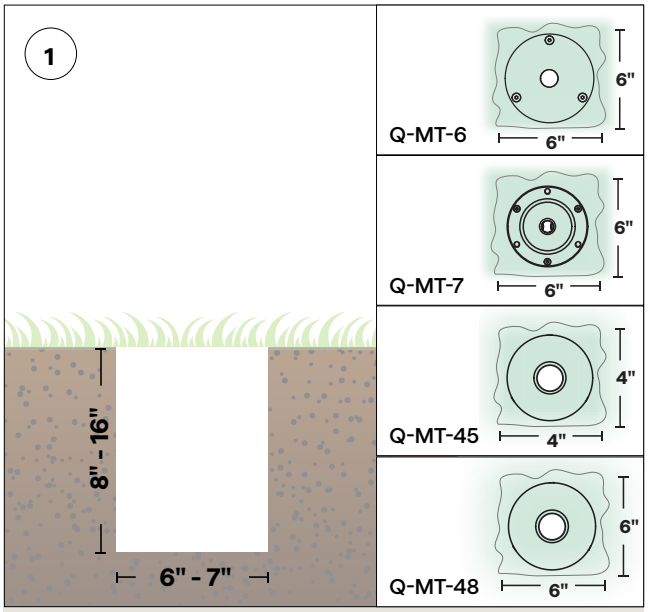


CAULKING GUN

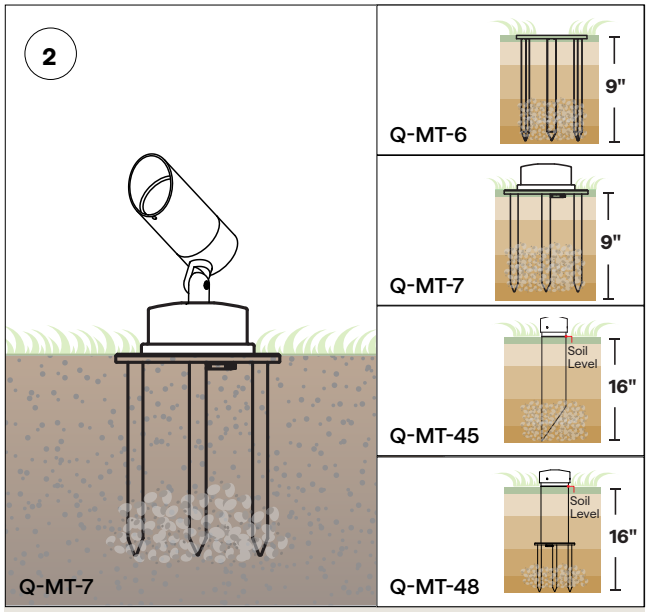
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SURFACE PREP

EXCAVATE (DIG HOLE): Q-MT-6, Q-MT-7, Q-MT-45, Q-MT-48

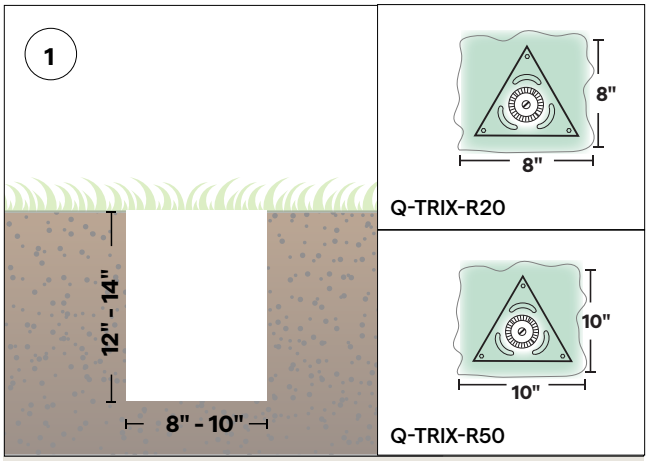


- Dig the hole to match the size of the housing for the product, as shown above for the hole length and width.

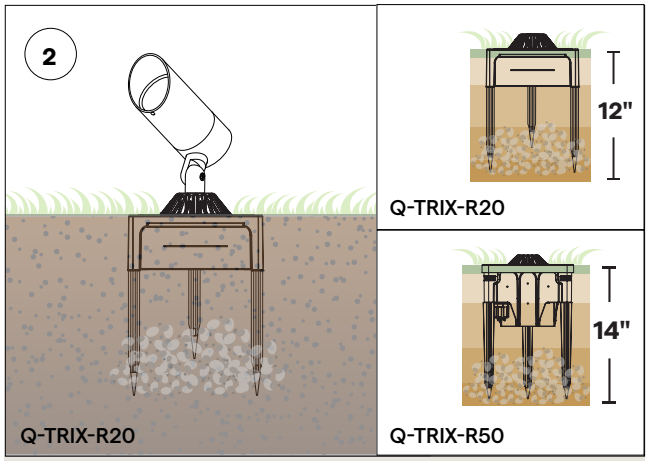


- Dig the hole to match the size of the housing for the product, as shown above for the hole depth.

EXCAVATE (DIG HOLE): Q-TRIX-R20, Q-TRIX-R50



- Dig the hole to match the size of the housing for the product, as shown above for the hole length and width.



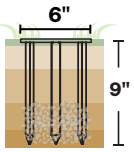
- Dig the hole to match the size of the housing for the product, as shown above for the hole depth.

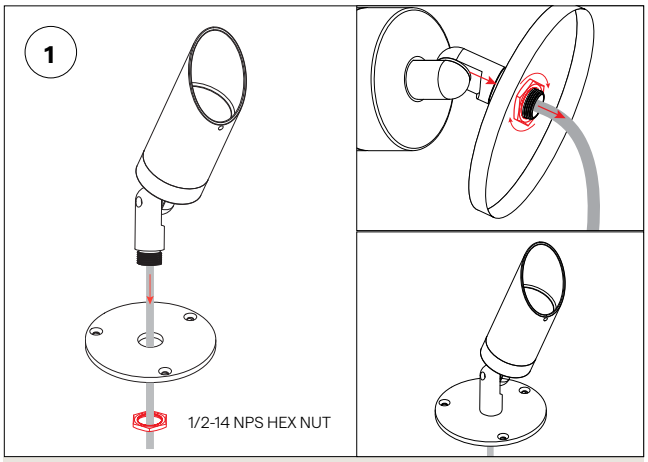
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DIRECT BURIAL

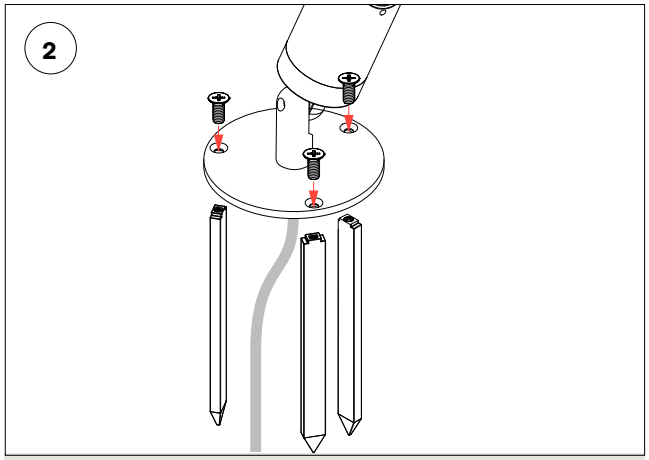
Landscape Lighting Installation Instructions

MOUNTING METHOD: **DIRECT BURIAL - NO DRIVER (ND)**
Q-MT-6

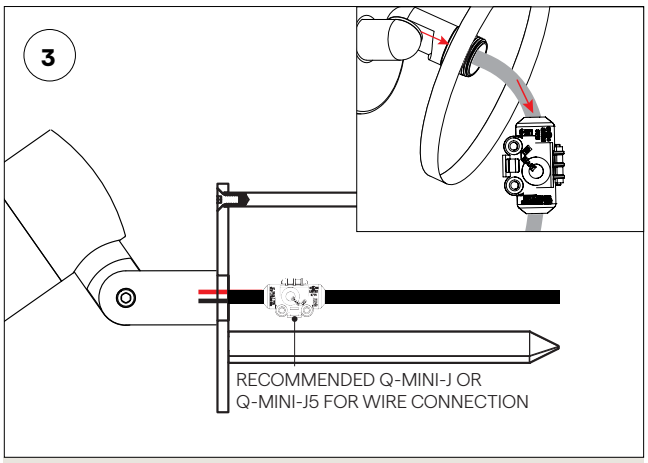




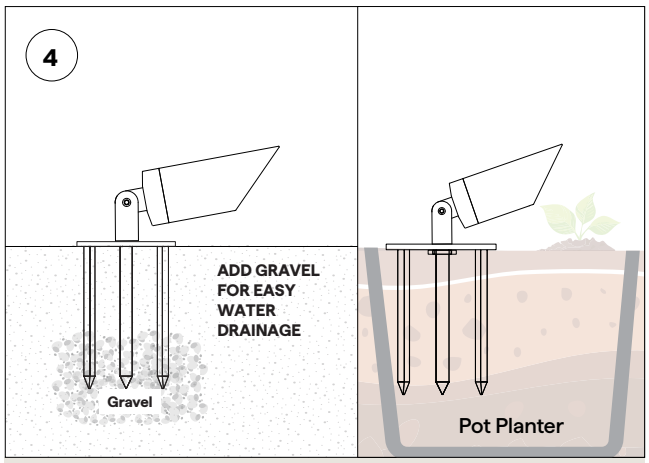
- Feed the fixture lead wire down through the plate, then screw fixture down with HEX NUT until fully seated.



- Attach the three (3) planting stakes to the underside of the mount using the supplied screws.



- Use liquid-tight wire nuts or QTL Q-Mini-J and follow the wiring diagram in the luminaire installations.
- Follow the wiring diagram in the luminaire instructions.



- Add gravel for easy drainage then backfill hole with soil as shown.

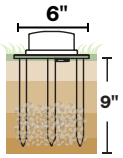
DO NOT COVER THE LUMINAIRE.

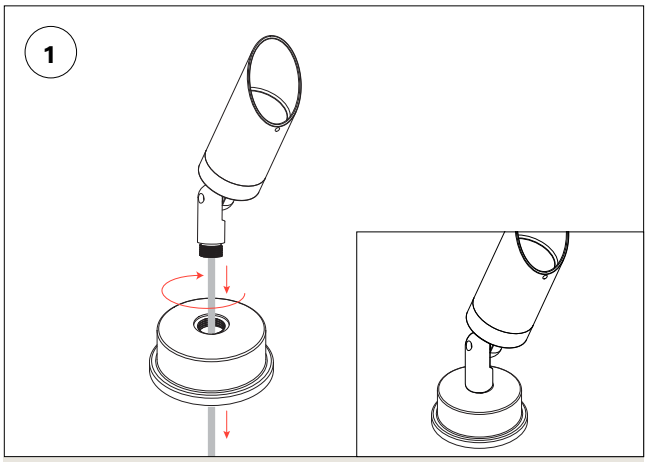
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DIRECT BURIAL

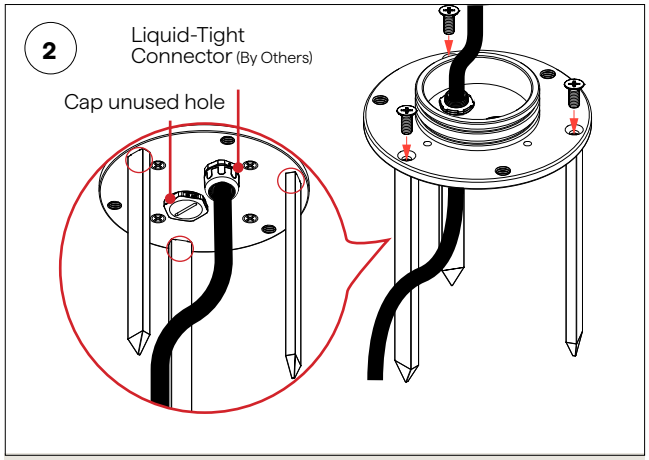
Landscape Lighting Installation Instructions

MOUNTING METHOD: **DIRECT BURIAL - NO DRIVER (ND)**
Q-MT-7

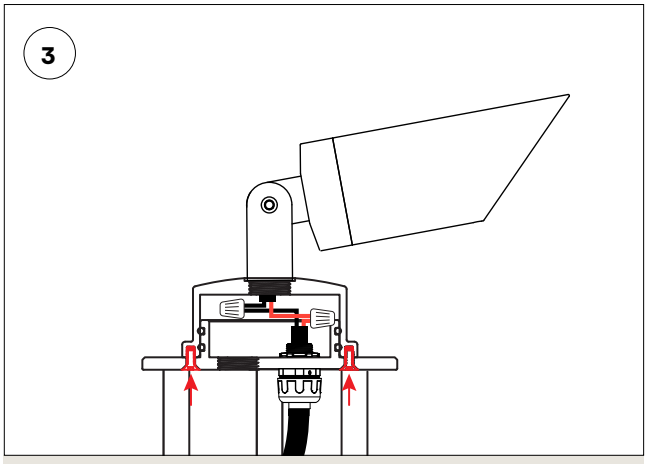




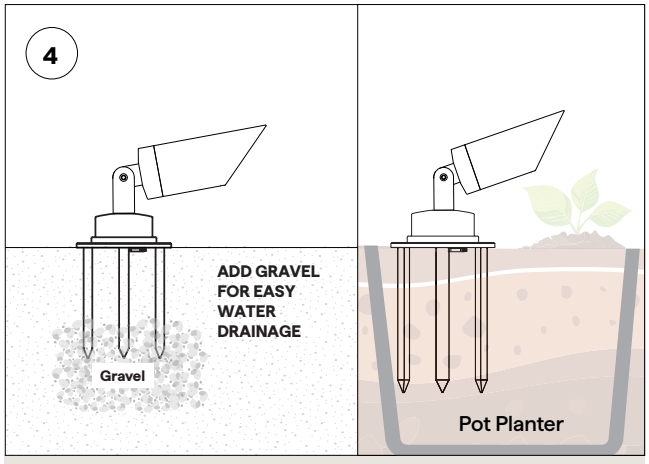
- Feed the fixture lead wire down through the canopy, then thread the fixture stem into the canopy opening and rotate until fully seated.



- Route the wire into 1/2" liquid-tight connector.
- Attach the three (3) planting stakes to the underside of the mount using the supplied screws.



- Follow the wiring diagram in the luminaire instructions. Install canopy screws from under plate to complete the installation.



- Add gravel for easy drainage then backfill hole with soil as shown.

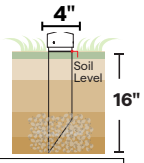
DO NOT COVER THE LUMINAIRE.

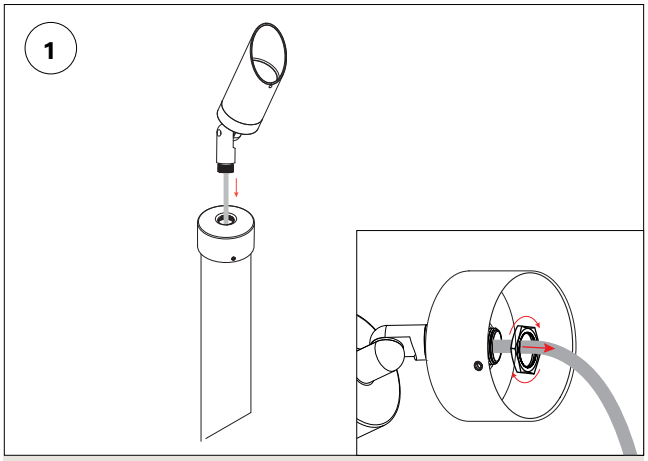
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DIRECT BURIAL

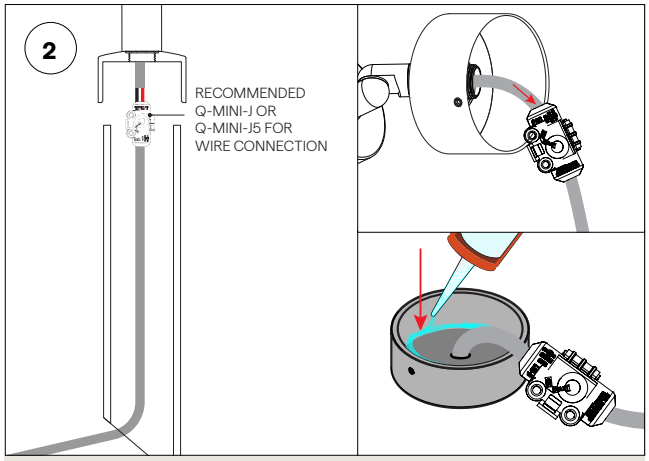
Landscape Lighting Installation Instructions

MOUNTING METHOD: **DIRECT BURIAL - NO DRIVER (ND)**
Q-MT-45

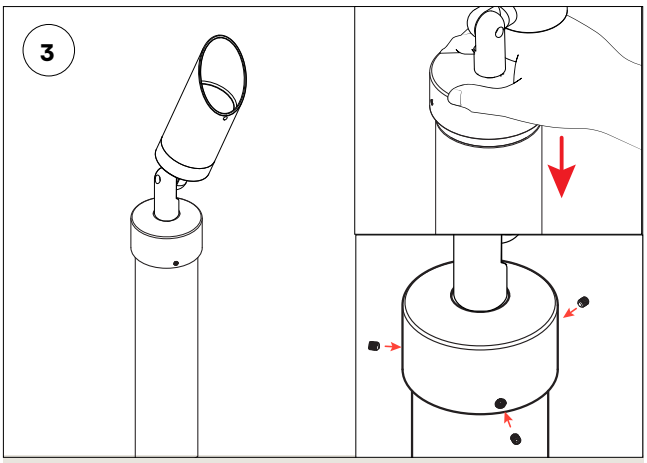




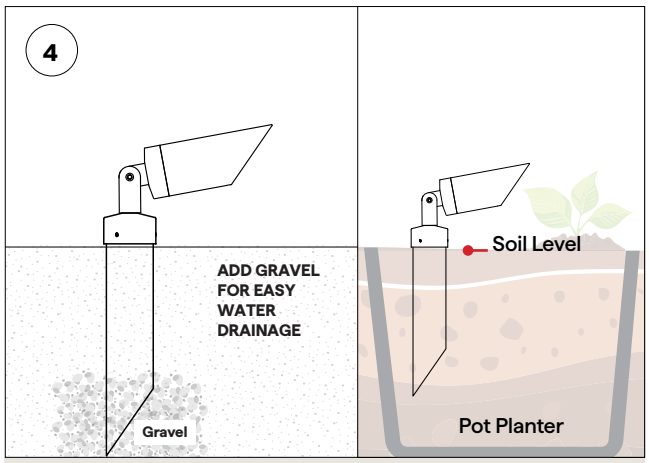
- Feed the fixture lead wire down through the canopy, then thread the fixture stem into the canopy opening and rotate until fully seated.



- Pull supply wire out of the PVC tube and splice the fixture wires.
- Use liquid-tight wire nuts or QTL Q-Mini-J and follow the wiring diagram in the luminaire installations.
- After wiring apply a 3/8-inch bead of silicone to the inner corner of the Q-MT-45 cap. Use a finger or tool to spread the bead evenly, ensuring all corners are fully covered.



- Place canopy over tube and Press the cap firmly until it is fully seated over the Q-MT-48 tube.
- Insert the three (3) side set screws and tighten until firm. Allow the silicone to set for 2 hours before testing or powering the device.
- Connection complete ready for burial.



- Add gravel for easy drainage then backfill hole with soil as shown.

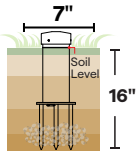
DO NOT COVER THE LUMINAIRE.

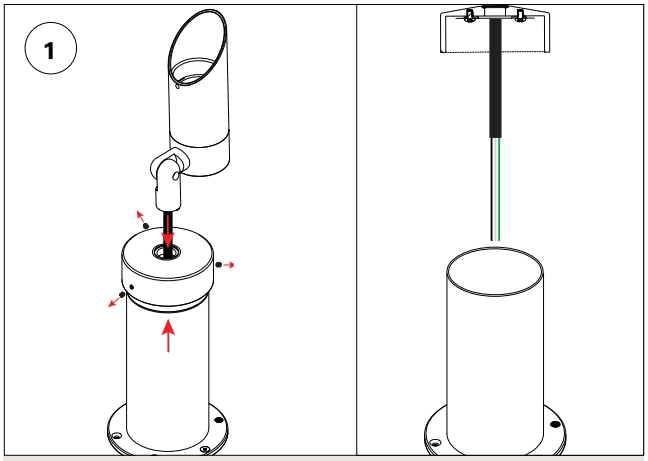
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DIRECT BURIAL

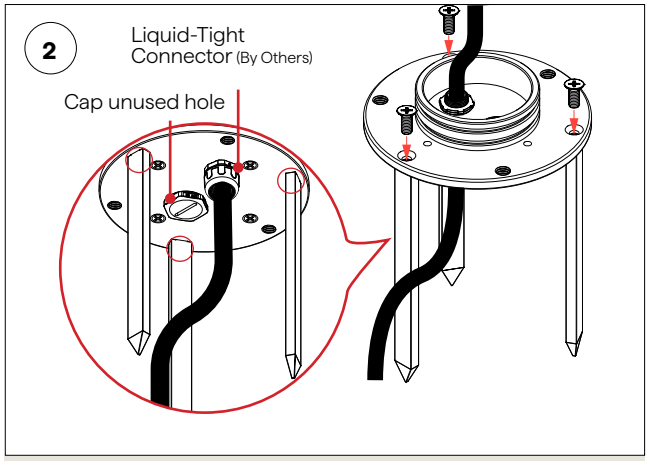
Landscape Lighting Installation Instructions

MOUNTING METHOD: **DIRECT BURIAL - NO DRIVER (ND)**
Q-MT-48

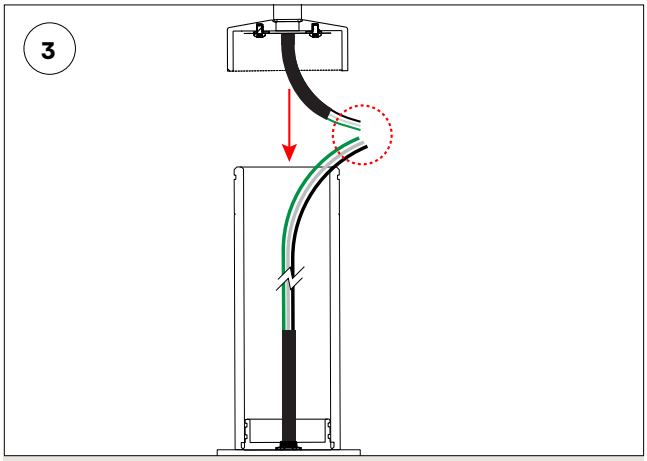




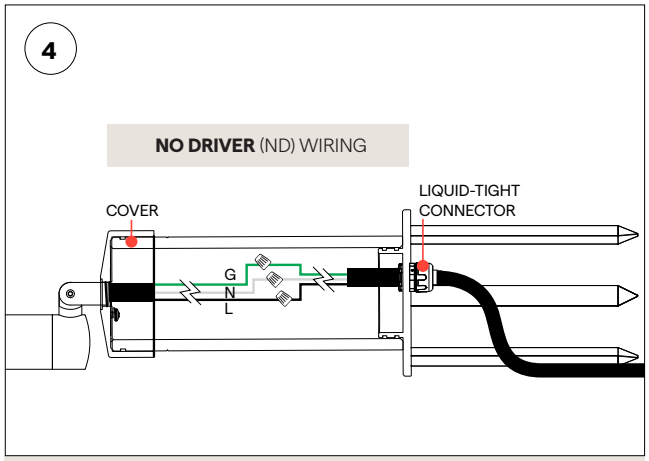
- Remove the set screws, then remove the top cap.
- Install fixture onto canopy.
- Feed the fixture lead wire down through the canopy then thread the fixture into the canopy opening and rotate until fully seated.



- Route the wire into 1/2" liquid-tight connector (by others).
- Attach the three (3) planting stakes to the underside of the mount using the supplied screws.



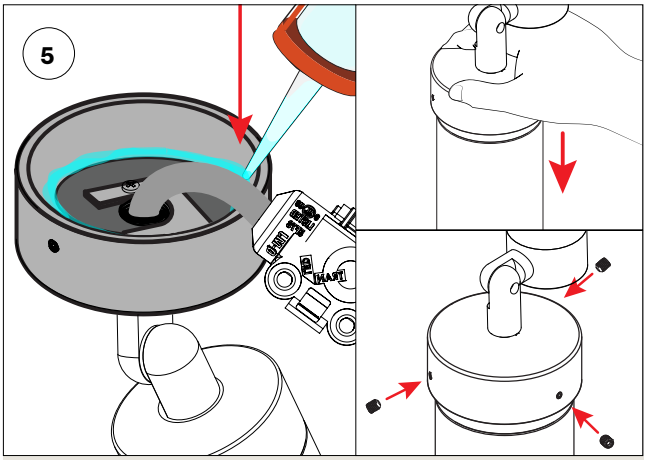
- For ease of splicing, pull the line-voltage wire out of the tube to splice it to the fixture wire using wire nuts (by others) follow luminaire wiring instructions.



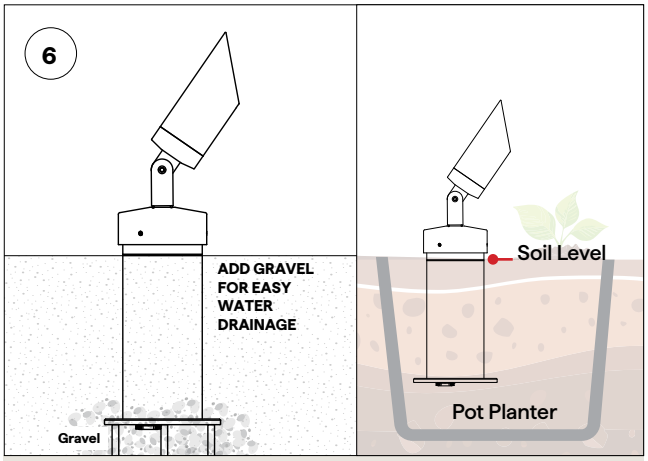
- Visual representation of complete wiring.
- Follow the wiring diagram in the luminaire instructions.

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MOUNTING METHOD: **DIRECT BURIAL - NO DRIVER (ND)**
Q-MT-48



- After wiring apply a 3/8-inch bead of silicone to the inner corner of the Q-MT-48 top cap. Use a finger or tool to spread the bead evenly, ensuring all corners are fully covered.
- Place canopy over tube and Press the cap firmly until it is fully seated over the Q-MT-48 tube.
- Insert the three (3) side set screws and tighten until firm. Allow the silicone to set for 2 hours before testing or powering the device.
- Connection complete ready for burial.

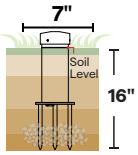


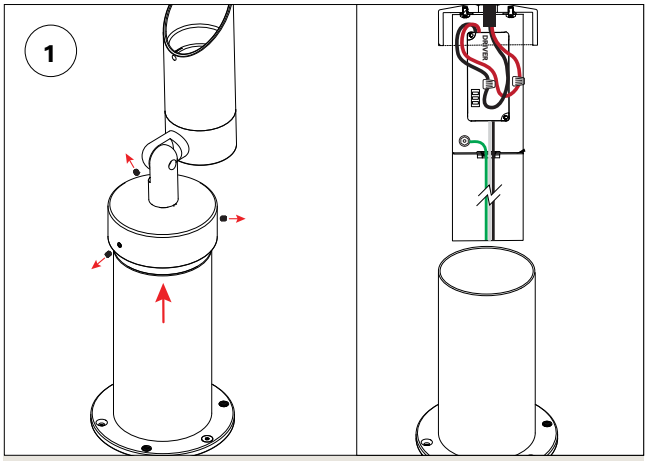
- Add gravel for easy drainage then backfill hole with soil as shown.

DO NOT COVER THE LUMINAIRE.

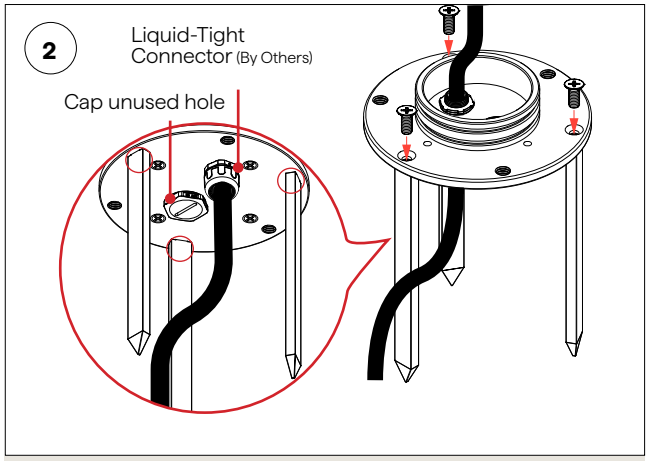
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MOUNTING METHOD: **DIRECT BURIAL - WITH DRIVER (WD)**
Q-MT-48

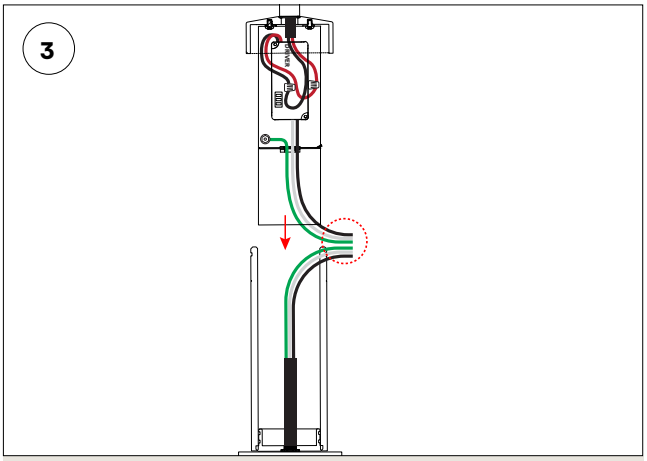




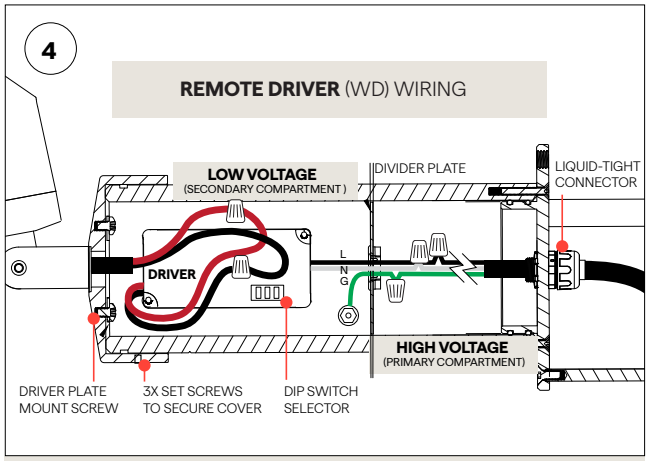
- Remove the set screws, then remove the top cap along with driver attached.



- Route the wire into 1/2" liquid-tight connector (by others).
- Attach the three (3) planting stakes to the underside of the mount using the supplied screws.



- For ease of splicing, pull the line-voltage wire out of the tube and splice it to the fixture wire using wire nuts (by others) follow luminaire wiring instructions.



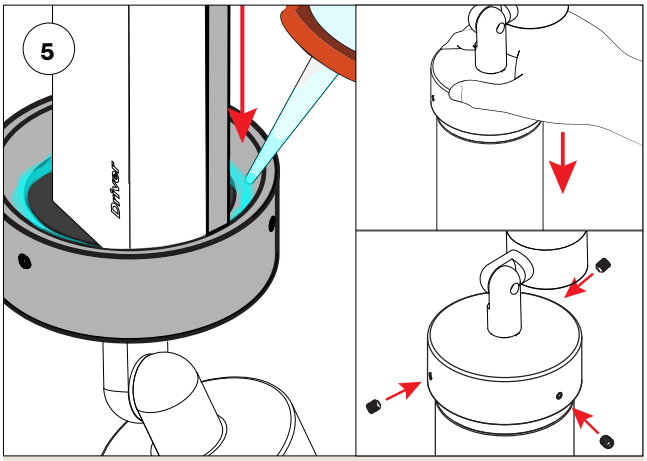
- Visual representation of complete wiring.
- Follow the wiring diagram in the luminaire instructions.

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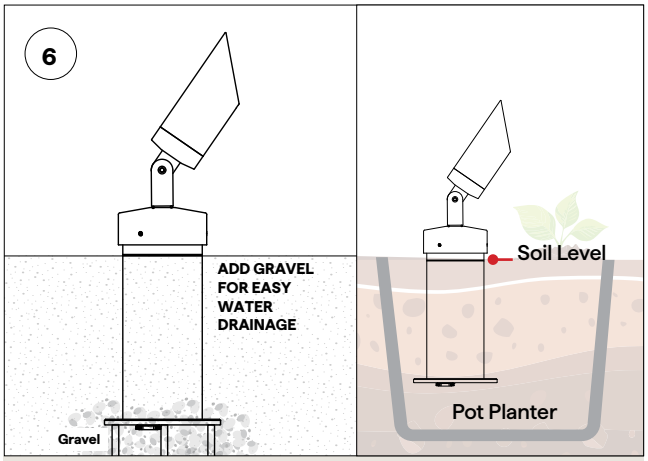
DIRECT BURIAL

Landscape Lighting Installation Instructions

MOUNTING METHOD: **DIRECT BURIAL - WITH DRIVER (WD)**
Q-MT-48



- Apply a 3/8-inch bead of silicone to the inner corner of the Q-MT-48 top cap. Use a finger or tool to spread the bead evenly, ensuring all corners are fully covered.
- Place canopy over tube and Press the cap firmly until it is fully seated over the Q-MT-48 tube.
- Insert the three (3) side set screws and tighten until firm. Allow the silicone to set for 2 hours before testing or powering the device.
- Connection complete ready for burial.

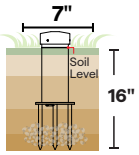


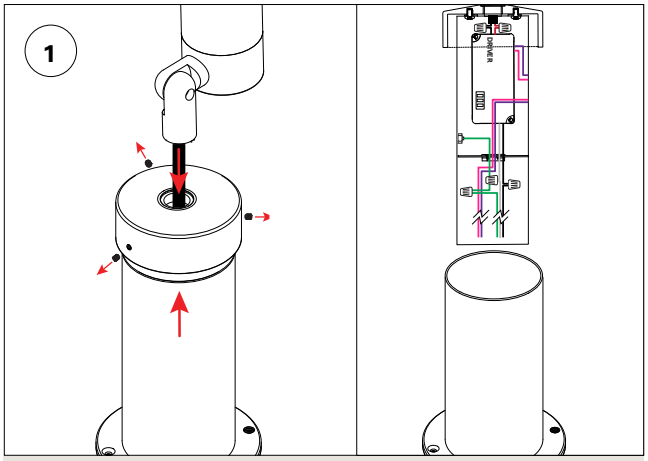
- Add gravel for easy drainage then backfill hole with soil as shown.

DO NOT COVER THE LUMINAIRE.

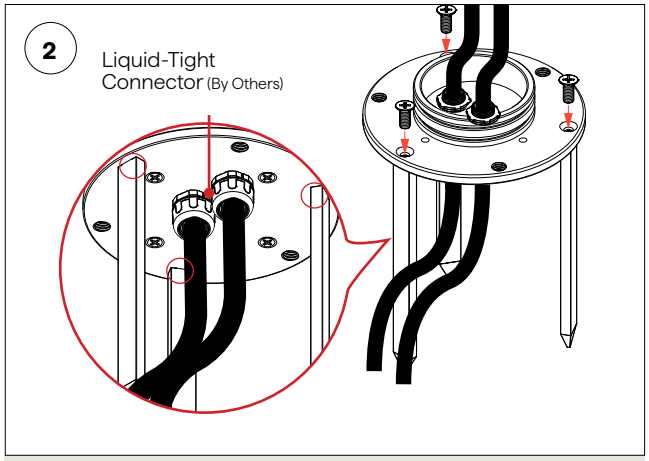
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MOUNTING METHOD: **DIRECT BURIAL - DRIVER WITH DIMMER**
Q-MT-48

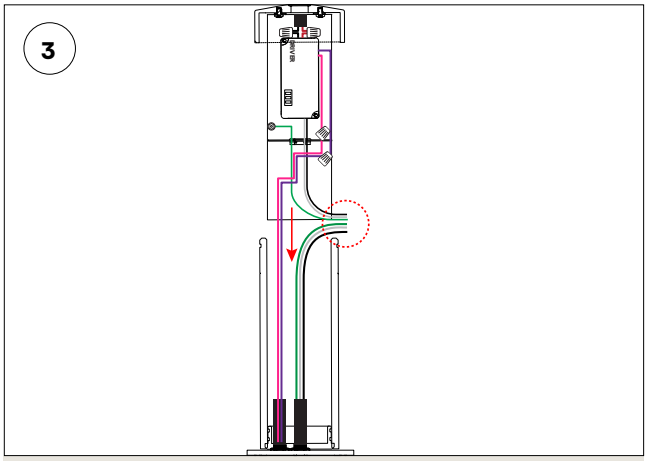




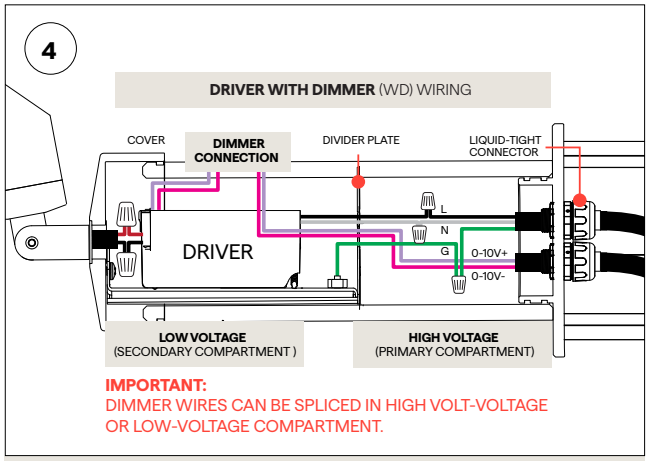
- Remove the set screws, then remove the top cap along with driver attached.



- Route the wire into 1/2" liquid-tight connector (by others).
- Attach the three (3) planting stakes to the underside of the mount using the supplied screws.



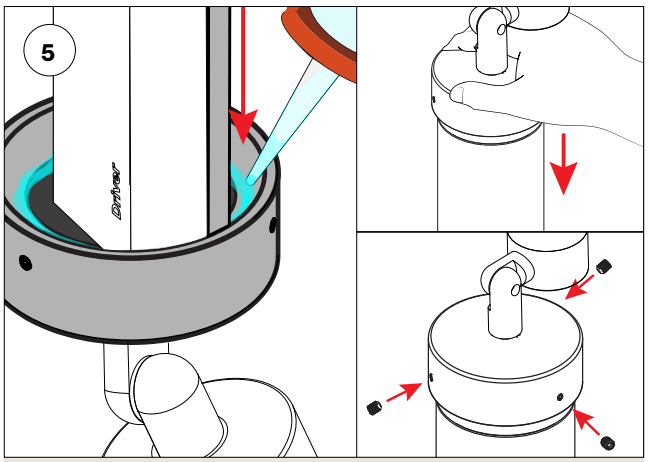
- For ease of splicing, pull the line-voltage wire out of the tube and splice it to the fixture wire using wire nuts (by others) follow luminaire wiring instructions.



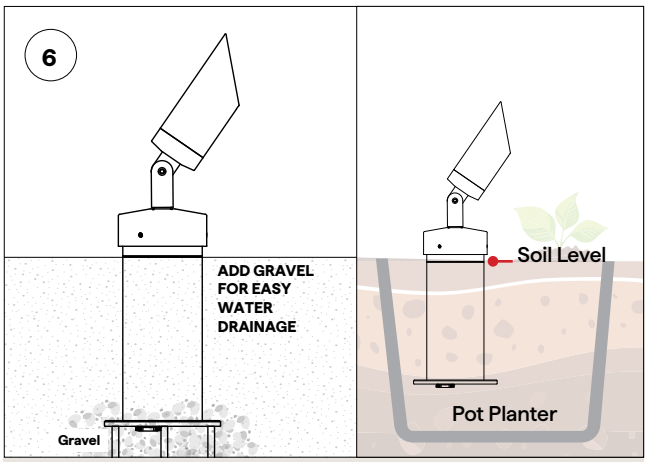
- Visual representation of complete wiring.
- Follow the wiring diagram in the luminaire instructions.

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MOUNTING METHOD: **DIRECT BURIAL - DRIVER WITH DIMMER**
Q-MT-48



- Apply a 3/8-inch bead of silicone to the inner corner of the Q-MT-48 top cap. Use a finger or tool to spread the bead evenly, ensuring all corners are fully covered.
- Place canopy over tube and Press the cap firmly until it is fully seated over the Q-MT-48 tube.
- Insert the three (3) side set screws and tightened until firm. Allow the silicone to set for 2 hours before testing or powering the device.
- Connection complete ready for burial.



- Add gravel for easy drainage then backfill hole with soil as shown.

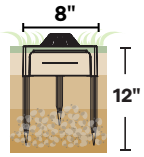
DO NOT COVER THE LUMINAIRE.

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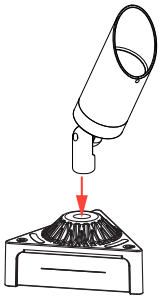
DIRECT BURIAL

Landscape Lighting Installation Instructions

MOUNTING METHOD: **DIRECT BURIAL - Q-TRIX NO DRIVER (ND)**
Q-TRIX-R20



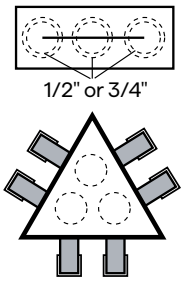
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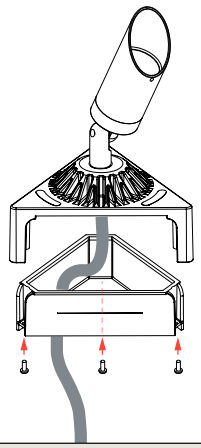


- Remove the cap to expose the 1/2" NPT threads and center knockout (KO), then install the fixture.

IMPORTANT
SQUEEZE SILICONE INTO THE THREADS
BEFORE MOUNTING FIXTURE

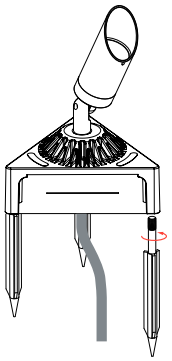
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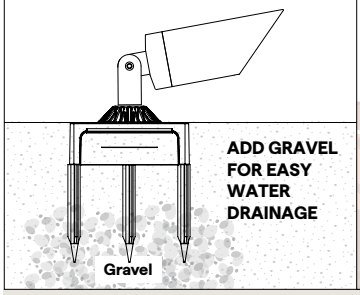
- Complete the wiring and power connection, then secure the bottom of the Q-TRIX unit with the three (3) supplied screws.

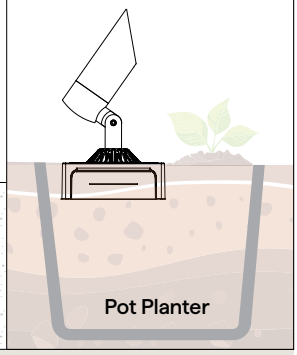
3



- Install the three (3) stakes to the Q-TRIX-R20 by screwing them in place in the direction shown.

4





- Add gravel for easy drainage then backfill hole with soil as shown.
- Refer to the Q-TRIX-R20 product page for more detailed installation guidelines.

DO NOT COVER THE LUMINAIRE.

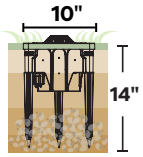
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DIRECT BURIAL

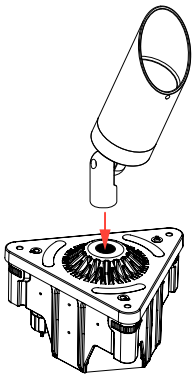
Landscape Lighting Installation Instructions

MOUNTING METHOD: **DIRECT BURIAL - Q-TRIX WITH DRIVER (WD)**

Q-TRIX-R50



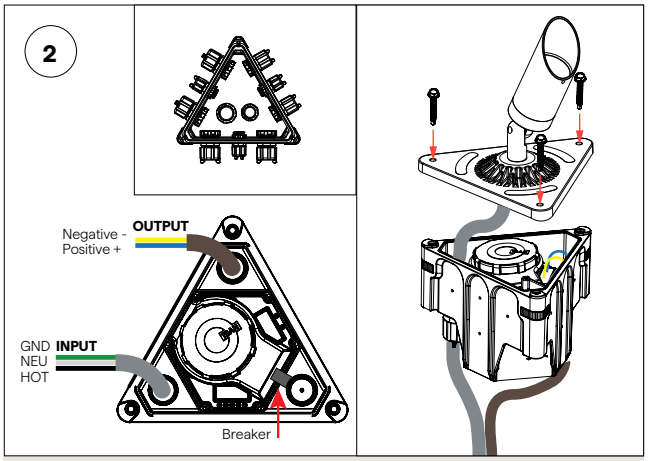
1



- Remove the cap to expose the 1/2" NPT threads and center knockout (KO), then install the fixture.

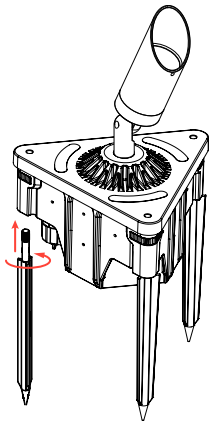
IMPORTANT
SQUEEZE SILICONE INTO THE THREADS
BEFORE MOUNTING FIXTURE

2



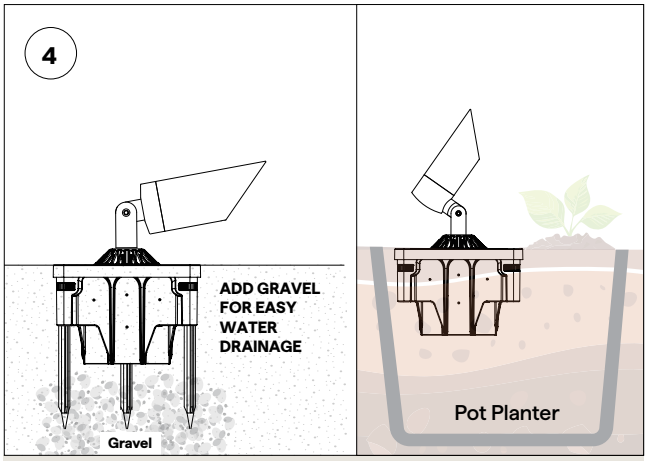
- Complete the wiring and power connection, then secure the bottom of the Q-TRIX unit with the three (3) supplied screws.

3



- Install the three (3) stakes to the Q-TRIX-R50 by screwing them in place in the direction shown.

4



- Add gravel for easy drainage then backfill hole with soil as shown.
- Refer to the Q-TRIX-R50 product page for more detailed installation guidelines.

DO NOT COVER THE LUMINAIRE.

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