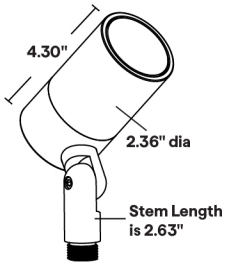
# VOYA SIDE MOUNT 2.5 RETROFIT MR16

12VAC Retrofit MR16 Flood/Accent Light






- Specification-grade, flood/accent lighting
- Available in ultra-durable powder-coated 6061 aluminum, polished brass, or polished 316L stainless steel
- Available in two static white CCTs: 2700K and 3000K
- Amber option meets FWC standards for coastal lighting
- Flexible tree, surface, wall and ground mounting options support diverse installations
- Additional snoots and lamps can be ordered separately. Use part code on master ordering guide.
- Wet listed for exterior applications

| 1 PRODUCT | 2 KNUCKLE | 3 SNOOT | 4 LAMP | 5 CCT-CRI | 6 WATTS | 7 BEAM ANGLE | 8 MATERIAL | 9 FINISH | 10 WEEP HOLE | 11 ACCESSORY 1 | 12 ACCESSORY 2 | 13 ACCESSORY 3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VOYA-SM-2.5-MR16-12VAC | ST | | | | | | | | | | | |

Sample Part Number: **VOYA-SM-2.5-MR16-12VAC-ST-HR-MR16-EA-SW-30-5.0-15D-B-P-WPH-LV-LS-N/A**

### 1 PRODUCT

**VOYA-SM-2.5-MR16-12VAC**

### 2 KNUCKLE

| | |
|---|---|
| **ST** | Standard |

### 3 SNOOT

| | |
|---|---|
| **FL** | Flush |
| **HR** | 0.5" Regress |
| **1R** | 1" Regress |
| **30D** | 30 Degree |
| **45D** | 45 Degree |
| **60D** | 60 Degree |

### 4 LAMP

| | |
|---|---|
| **MR16-EA-SW** | Emery Allen |
| **MR16-EA-A** | Emery Allen |
| **N/A** | No Lamp |

max 20W MR16 base retrofit lamp.

### 5 CCT-CRI

| | | |
|---|---|---|
| **27** | 2700K | 90 |
| **30** | 3000K | 90 |
| **A** | Amber (560 nms) | N/A |
| **N/A** | N/A | |

### 6 WATTS

| | |
|---|---|
| **1.0** | 1.0 W |
| **3.0** | 3.0 W |
| **5.0** | 5.0 W |
| **7.0** | 7.0 W |
| **8.0** | 8.0 W |
| **3.0** | 3.0 W |
| **N/A** | |

### 7 BEAM ANGLE

| | |
|---|---|
| **24D** | 24 Degree |
| **36D** | 36 Degree |
| **60D** | 60 Degree |
| **120D** | 120 Degree |
| **15D** | 15 Degree |
| **24D** | 24 Degree |
| **36D** | 36 Degree |
| **60D** | 60 Degree |
| **120D** | 120 Degree |
| **60D** | 60 Degree |
| **N/A** | |

### 8 MATERIAL

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

### 9 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

### 10 WEEP HOLE

| | |
|---|---|
| **WPH** | Weep Hole |
| **N/A** | No Weep Hole |

Not using a weep hole while aiming up will void warranty. FL and GZR snoots do not have weep holes. If FL or GZR is chosen, select N/A

### 11 ACCESSORY 1

| | |
|---|---|
| **SP** | Spread Lens |
| **LS** | Linear Spread Lens |
| **WW** | Wall Wash Lens |
| **LV** | Honeycomb Louver |
| **N/A** | No Accessory |

Retaining Ring included with each accessory. Do not use with halogen lamps.

### 12 ACCESSORY 2

| | |
|---|---|
| **SP** | Spread Lens |
| **LS** | Linear Spread Lens |
| **WW** | Wall Wash Lens |
| **LV** | Honeycomb Louver |
| **N/A** | No Accessory |

Retaining Ring included with each accessory. Do not use with halogen lamps.

### 13 ACCESSORY 3

| | |
|---|---|
| **SP** | Spread Lens |
| **LS** | Linear Spread Lens |
| **WW** | Wall Wash Lens |
| **LV** | Honeycomb Louver |
| **N/A** | No Accessory |

Retaining Ring included with each accessory. Do not use with halogen lamps.

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

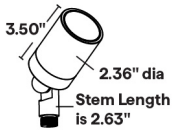
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Specification subject to change. Rev-11-02-26

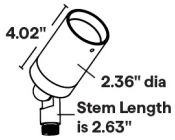
# VOYA SIDE MOUNT 2.5 RETROFIT MR16

12VAC Retrofit MR16 Flood/Accent Light

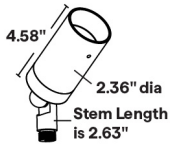
## 1 PRODUCT - DIMENSIONS



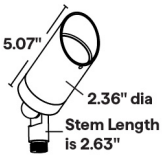

Flush Snoot (FL)



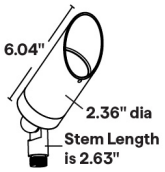

0.5" Regress Snoot (HR)



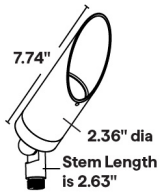

1" Regress Snoot (1R)




30 Degree Snoot (30D)




45 Degree Snoot (45D)

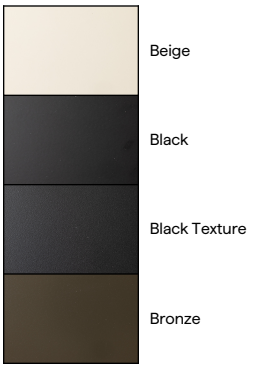



60 Degree Snoot (60D)

## 9 FINISH

### ALUMINUM POWDER COAT FINISHES

Lead times differ. BZT ships from stock. All other standard finishes are made to order. Custom finishes: consult factory.



Beige

Black

Black Texture

Bronze



Bronze Texture

Black Bronze

Silver

White

### BRASS AND STAINLESS STEEL POLISHED FINISHES

Brass and Stainless Steel have longer lead times: consult factory



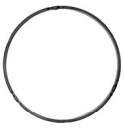
Polished Brass

Polished Stainless Steel

## 11/12/13 ACCESSORIES

Holds up to three accessories. Retaining Ring included with each accessory. Do not use with halogen lamps.

**SP**



Spread Lens

To order separately use ACC-2.5-SP

**LS**



Linear Spread Lens

To order separately use ACC-2.5-LS

**WW**



Wall Wash Lens

To order separately use ACC-2.5-WW

**LV**



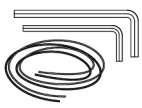
Honeycomb Louver

To order separately use ACC-2.5-LV



Retaining Ring

To order separately use ACC-2.5-RR



SNOOT INSTALL KIT

To order separately use VOYA-SNOOT-INSTALL-KIT

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Specification subject to change. Rev-11-02-26

# VOYA SIDE MOUNT 2.5 RETROFIT MR16

12VAC Retrofit MR16 Flood/Accent Light

## COMPATIBLE GLARE CONTROL ACCESSORIES

**VOYA-2.5-45D-GLARE-SHIELD-YY-XX**




Adjustable 45° Glare Shield. See Spec Sheet for material (YY) and finish (XX) options

## COMPATIBLE POWER SUPPLIES

See power supplies cut sheets for more information. Data subject to change, all data has +/- 5% tolerance.

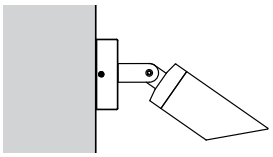
| DIMMING PROTOCOL | OUTDOOR |
|---|---|
| | LANDSCAPE LIGHTING |
| Phase | Q-HEX<br>Q-SET-1<br>Q-SET-2<br>Q-SET-3<br>QOMD<br>QOMS |

# VOYA EM/SM 2.5" MOUNT COMPATIBILITY

Landscape Lighting

## SURFACE/WALL

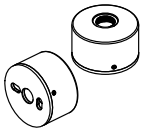
See Surface/Wall installation for dimensions and included hardware. Refer to the mount cut sheets for complete order codes regarding mount's options.





**Q-WB**

Wood Beam Mount



**Q-MT-11***

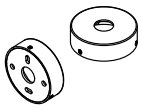
With Water Protection



**Q-MT-17***



**Q-MT-18**

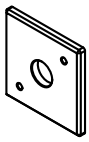


**Q-MT-19**

With Water Protection



**Q-MT-21**



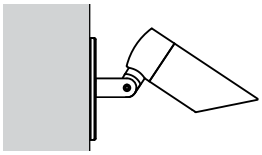
**Q-MT-22**

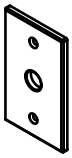


**Q-MT-37***

## SURFACE/WALL J-BOX PLATES

See Surface/Wall J-Box Plate installation for dimensions and included hardware. Refer to the mount cut sheets for complete order codes regarding mount's options.



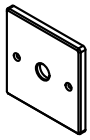


**Q-MT-24**

Compatible with 1 GANG RECTANGLE WEATHER PROOF J-BOX or 4/0 WEATHER PROOF J-BOX by others



**Q-MT-25**



**Q-MT-26**

Compatible with 1 GANG RECESS J-BOX or 4/0 RECESSED J-BOX by others



**Q-MT-27**

Compatible with 3/0 RECESSED J-BOX by others

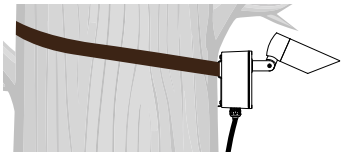


**Q-MT-42***

Compatible with 1 GANG RECTANGLE WEATHER PROOF J-BOX or 4/0 WEATHER PROOF J-BOX by others

## TREE MOUNT

See Tree Mount installation for dimensions and included hardware. Refer to the mount cut sheets for complete order codes regarding mount's options.





**Q-MT-10**



**Q-MT-12***

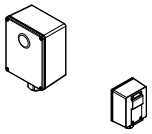


**Q-MT-14***

With Tree Strap

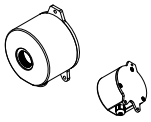


**Q-MT-39***



**Q-MT-50 (No Driver)**

With Water Protection and Tree Strap

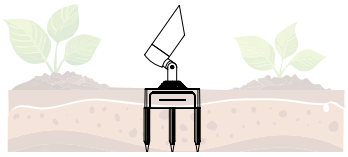


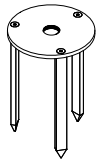
**Q-MT-51***

With Water Protection

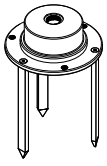
## DIRECT BURIAL

See Direct Burial installation for dimensions and included hardware. Refer to the mount cut sheets for complete order codes regarding mount's options.





**Q-MT-6***

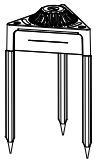


**Q-MT-7***

With Water Protection

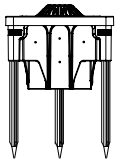


**Q-MT-45***



**Q-TRIX-R20* (No Driver)**

With Water Protection

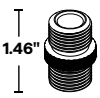


**Q-TRIX-R50* (With Driver)**

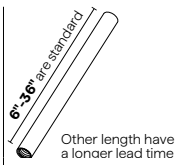
With Water Protection

## MOUNT ACCESSORIES

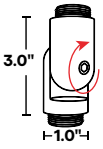
See Accessories installation for dimensions and included hardware.




**NPS ADAPTER**

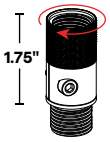



**AY-3 Riser Pole**




**AY-7**

No Water Protection




**(RA) ROTATIONAL ADAPTER**

With Water Protection

***Compatible with AY-3 Riser Pole**

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Specification subject to change. Rev-11-02-26

# VOYA 2.5" ADDITIONAL SNOOTS, OPTICS, LENS FILTERS, LAMPS, KITS, & FINISH KEY RINGS

Accessories

## SNOOTS - NO WEEP HOLES

**Flush**




PART NUMBERS:

| | |
|---|---|
| BEIGE | VOYA-2.5-FL-SNOOT-ASM-A-BG |
| BLACK BRONZE | VOYA-2.5-FL-SNOOT-ASM-A-BB |
| BLACK | VOYA-2.5-FL-SNOOT-ASM-A-BK |
| BLACK TEXTURE | VOYA-2.5-FL-SNOOT-ASM-A-BKT |
| BRONZE | VOYA-2.5-FL-SNOOT-ASM-A-BZ |
| BRONZE TEXTURE | VOYA-2.5-FL-SNOOT-ASM-A-BZT |
| SILVER | VOYA-2.5-FL-SNOOT-ASM-A-SL |
| WHITE | VOYA-2.5-FL-SNOOT-ASM-A-WH |
| BRASS | VOYA-2.5-FL-SNOOT-ASM-B-P |
| STAINLESS STEEL | VOYA-2.5-FL-SNOOT-ASM-SS-P |

**0.5" Regress**




PART NUMBERS:

| | |
|---|---|
| BEIGE | VOYA-2.5-HR-SNOOT-NO-WEEP-ASM-A-BG |
| BLACK BRONZE | VOYA-2.5-HR-SNOOT-NO-WEEP-ASM-A-BB |
| BLACK | VOYA-2.5-HR-SNOOT-NO-WEEP-ASM-A-BK |
| BLACK TEXTURE | VOYA-2.5-HR-SNOOT-NO-WEEP-ASM-A-BKT |
| BRONZE | VOYA-2.5-HR-SNOOT-NO-WEEP-ASM-A-BZ |
| BRONZE TEXTURE | VOYA-2.5-HR-SNOOT-NO-WEEP-ASM-A-BZT |
| SILVER | VOYA-2.5-HR-SNOOT-NO-WEEP-ASM-A-SL |
| WHITE | VOYA-2.5-HR-SNOOT-NO-WEEP-ASM-A-WH |
| BRASS | VOYA-2.5-HR-SNOOT-NO-WEEP-ASM-B-P |
| STAINLESS STEEL | VOYA-2.5-HR-SNOOT-NO-WEEP-ASM-SS-P |

**1" Regress**




PART NUMBERS:

| | |
|---|---|
| BEIGE | VOYA-2.5-1R-SNOOT-NO-WEEP-ASM-A-BG |
| BLACK BRONZE | VOYA-2.5-1R-SNOOT-NO-WEEP-ASM-A-BB |
| BLACK | VOYA-2.5-1R-SNOOT-NO-WEEP-ASM-A-BK |
| BLACK TEXTURE | VOYA-2.5-1R-SNOOT-NO-WEEP-ASM-A-BKT |
| BRONZE | VOYA-2.5-1R-SNOOT-NO-WEEP-ASM-A-BZ |
| BRONZE TEXTURE | VOYA-2.5-1R-SNOOT-NO-WEEP-ASM-A-BZT |
| SILVER | VOYA-2.5-1R-SNOOT-NO-WEEP-ASM-A-SL |
| WHITE | VOYA-2.5-1R-SNOOT-NO-WEEP-ASM-A-WH |
| BRASS | VOYA-2.5-1R-SNOOT-NO-WEEP-ASM-B-P |
| STAINLESS STEEL | VOYA-2.5-1R-SNOOT-NO-WEEP-ASM-SS-P |

**30 Degree**




PART NUMBERS:

| | |
|---|---|
| BEIGE | VOYA-2.5-30D-SNOOT-NO-WEEP-ASM-A-BG |
| BLACK BRONZE | VOYA-2.5-30D-SNOOT-NO-WEEP-ASM-A-BB |
| BLACK | VOYA-2.5-30D-SNOOT-NO-WEEP-ASM-A-BK |
| BLACK TEXTURE | VOYA-2.5-30D-SNOOT-NO-WEEP-ASM-A-BKT |
| BRONZE | VOYA-2.5-30D-SNOOT-NO-WEEP-ASM-A-BZ |
| BRONZE TEXTURE | VOYA-2.5-30D-SNOOT-NO-WEEP-ASM-A-BZT |
| SILVER | VOYA-2.5-30D-SNOOT-NO-WEEP-ASM-A-SL |
| WHITE | VOYA-2.5-30D-SNOOT-NO-WEEP-ASM-A-WH |
| BRASS | VOYA-2.5-30D-SNOOT-NO-WEEP-ASM-B-P |
| STAINLESS STEEL | VOYA-2.5-30D-SNOOT-NO-WEEP-ASM-SS-P |

**45 Degree**




PART NUMBERS:

| | |
|---|---|
| BEIGE | VOYA-2.5-45D-SNOOT-NO-WEEP-ASM-A-BG |
| BLACK BRONZE | VOYA-2.5-45D-SNOOT-NO-WEEP-ASM-A-BB |
| BLACK | VOYA-2.5-45D-SNOOT-NO-WEEP-ASM-A-BK |
| BLACK TEXTURE | VOYA-2.5-45D-SNOOT-NO-WEEP-ASM-A-BKT |
| BRONZE | VOYA-2.5-45D-SNOOT-NO-WEEP-ASM-A-BZ |
| BRONZE TEXTURE | VOYA-2.5-45D-SNOOT-NO-WEEP-ASM-A-BZT |
| SILVER | VOYA-2.5-45D-SNOOT-NO-WEEP-ASM-A-SL |
| WHITE | VOYA-2.5-45D-SNOOT-NO-WEEP-ASM-A-WH |
| BRASS | VOYA-2.5-45D-SNOOT-NO-WEEP-ASM-B-P |
| STAINLESS STEEL | VOYA-2.5-45D-SNOOT-NO-WEEP-ASM-SS-P |

**60 Degree**




PART NUMBERS:

| | |
|---|---|
| BEIGE | VOYA-2.5-60D-SNOOT-NO-WEEP-ASM-A-BG |
| BLACK BRONZE | VOYA-2.5-60D-SNOOT-NO-WEEP-ASM-A-BB |
| BLACK | VOYA-2.5-60D-SNOOT-NO-WEEP-ASM-A-BK |
| BLACK TEXTURE | VOYA-2.5-60D-SNOOT-NO-WEEP-ASM-A-BKT |
| BRONZE | VOYA-2.5-60D-SNOOT-NO-WEEP-ASM-A-BZ |
| BRONZE TEXTURE | VOYA-2.5-60D-SNOOT-NO-WEEP-ASM-A-BZT |
| SILVER | VOYA-2.5-60D-SNOOT-NO-WEEP-ASM-A-SL |
| WHITE | VOYA-2.5-60D-SNOOT-NO-WEEP-ASM-A-WH |
| BRASS | VOYA-2.5-60D-SNOOT-NO-WEEP-ASM-B-P |
| STAINLESS STEEL | VOYA-2.5-60D-SNOOT-NO-WEEP-ASM-SS-P |

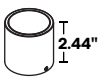
**45° Glare Shield**




PART NUMBERS:

| | |
|---|---|
| BEIGE | VOYA-2.5-45D-GLARE-SHIELD-A-BG |
| BLACK BRONZE | VOYA-2.5-45D-GLARE-SHIELD-A-BB |
| BLACK | VOYA-2.5-45D-GLARE-SHIELD-A-BK |
| BLACK TEXTURE | VOYA-2.5-45D-GLARE-SHIELD-A-BKT |
| BRONZE | VOYA-2.5-45D-GLARE-SHIELD-A-BZ |
| BRONZE TEXTURE | VOYA-2.5-45D-GLARE-SHIELD-A-BZT |
| SILVER | VOYA-2.5-45D-GLARE-SHIELD-A-SL |
| WHITE | VOYA-2.5-45D-GLARE-SHIELD-A-WH |
| BRASS | VOYA-2.5-45D-GLARE-SHIELD-B-P |
| STAINLESS STEEL | VOYA-2.5-45D-GLARE-SHIELD-SS-P |

**Grazer**




PART NUMBERS:

| | |
|---|---|
| BEIGE | VOYA-2.5-GZR-SNOOT-ASM-A-BG |
| BLACK BRONZE | VOYA-2.5-GZR-SNOOT-ASM-A-BB |
| BLACK | VOYA-2.5-GZR-SNOOT-ASM-A-BK |
| BLACK TEXTURE | VOYA-2.5-GZR-SNOOT-ASM-A-BKT |
| BRONZE | VOYA-2.5-GZR-SNOOT-ASM-A-BZ |
| BRONZE TEXTURE | VOYA-2.5-GZR-SNOOT-ASM-A-BZT |
| SILVER | VOYA-2.5-GZR-SNOOT-ASM-A-SL |
| WHITE | VOYA-2.5-GZR-SNOOT-ASM-A-WH |
| BRASS | VOYA-2.5-GZR-SNOOT-ASM-B-P |
| STAINLESS STEEL | VOYA-2.5-GZR-SNOOT-ASM-SS-P |

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# VOYA 2.5" ADDITIONAL SNOOTS, OPTICS, LENS FILTERS, LAMPS, KITS, & FINISH KEY RINGS

Accessories

## SNOOTS - WITH WEEP HOLES

**0.5" Regress**




PART NUMBERS:

| | |
|---|---|
| BEIGE | VOYA-2.5-HR-SNOOT-ASM-A-BG |
| BLACK BRONZE | VOYA-2.5-HR-SNOOT-ASM-A-BB |
| BLACK | VOYA-2.5-HR-SNOOT-ASM-A-BK |
| BLACK TEXTURE | VOYA-2.5-HR-SNOOT-ASM-A-BKT |
| BRONZE | VOYA-2.5-HR-SNOOT-ASM-A-BZ |
| BRONZE TEXTURE | VOYA-2.5-HR-SNOOT-ASM-A-BZT |
| SILVER | VOYA-2.5-HR-SNOOT-ASM-A-SL |
| WHITE | VOYA-2.5-HR-SNOOT-ASM-A-WH |
| BRASS | VOYA-2.5-HR-SNOOT-ASM-B-P |
| STAINLESS STEEL | VOYA-2.5-HR-SNOOT-ASM-SS-P |

**1" Regress**




PART NUMBERS:

| | |
|---|---|
| BEIGE | VOYA-2.5-1R-SNOOT-ASM-A-BG |
| BLACK BRONZE | VOYA-2.5-1R-SNOOT-ASM-A-BB |
| BLACK | VOYA-2.5-1R-SNOOT-ASM-A-BK |
| BLACK TEXTURE | VOYA-2.5-1R-SNOOT-ASM-A-BKT |
| BRONZE | VOYA-2.5-1R-SNOOT-ASM-A-BZ |
| BRONZE TEXTURE | VOYA-2.5-1R-SNOOT-ASM-A-BZT |
| SILVER | VOYA-2.5-1R-SNOOT-ASM-A-SL |
| WHITE | VOYA-2.5-1R-SNOOT-ASM-A-WH |
| BRASS | VOYA-2.5-1R-SNOOT-ASM-B-P |
| STAINLESS STEEL | VOYA-2.5-1R-SNOOT-ASM-SS-P |

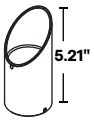
**30 Degree**




PART NUMBERS:

| | |
|---|---|
| BEIGE | VOYA-2.5-30D-SNOOT-ASM-A-BG |
| BLACK BRONZE | VOYA-2.5-30D-SNOOT-ASM-A-BB |
| BLACK | VOYA-2.5-30D-SNOOT-ASM-A-BK |
| BLACK TEXTURE | VOYA-2.5-30D-SNOOT-ASM-A-BKT |
| BRONZE | VOYA-2.5-30D-SNOOT-ASM-A-BZ |
| BRONZE TEXTURE | VOYA-2.5-30D-SNOOT-ASM-A-BZT |
| SILVER | VOYA-2.5-30D-SNOOT-ASM-A-SL |
| WHITE | VOYA-2.5-30D-SNOOT-ASM-A-WH |
| BRASS | VOYA-2.5-30D-SNOOT-ASM-B-P |
| STAINLESS STEEL | VOYA-2.5-30D-SNOOT-ASM-SS-P |

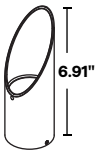
**45 Degree**




PART NUMBERS:

| | |
|---|---|
| BEIGE | VOYA-2.5-45D-SNOOT-ASM-A-BG |
| BLACK BRONZE | VOYA-2.5-45D-SNOOT-ASM-A-BB |
| BLACK | VOYA-2.5-45D-SNOOT-ASM-A-BK |
| BLACK TEXTURE | VOYA-2.5-45D-SNOOT-ASM-A-BKT |
| BRONZE | VOYA-2.5-45D-SNOOT-ASM-A-BZ |
| BRONZE TEXTURE | VOYA-2.5-45D-SNOOT-ASM-A-BZT |
| SILVER | VOYA-2.5-45D-SNOOT-ASM-A-SL |
| WHITE | VOYA-2.5-45D-SNOOT-ASM-A-WH |
| BRASS | VOYA-2.5-45D-SNOOT-ASM-B-P |
| STAINLESS STEEL | VOYA-2.5-45D-SNOOT-ASM-SS-P |

**60 Degree**




PART NUMBERS:

| | |
|---|---|
| BEIGE | VOYA-2.5-60D-SNOOT-ASM-A-BG |
| BLACK BRONZE | VOYA-2.5-60D-SNOOT-ASM-A-BB |
| BLACK | VOYA-2.5-60D-SNOOT-ASM-A-BK |
| BLACK TEXTURE | VOYA-2.5-60D-SNOOT-ASM-A-BKT |
| BRONZE | VOYA-2.5-60D-SNOOT-ASM-A-BZ |
| BRONZE TEXTURE | VOYA-2.5-60D-SNOOT-ASM-A-BZT |
| SILVER | VOYA-2.5-60D-SNOOT-ASM-A-SL |
| WHITE | VOYA-2.5-60D-SNOOT-ASM-A-WH |
| BRASS | VOYA-2.5-60D-SNOOT-ASM-B-P |
| STAINLESS STEEL | VOYA-2.5-60D-SNOOT-ASM-SS-P |

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# VOYA 2.5" ADDITIONAL SNOOTS, OPTICS, LENS FILTERS, LAMPS, KITS, & FINISH KEY RINGS

Accessories

## OPTICS - STATIC WHITE

**12 Degree**



PART NUMBERS:

| | |
|---|---|
| STATIC WHITE | ACC-VOYA-2.5-OPTIC-SW-12 |

**16 Degree**



PART NUMBERS:

| | |
|---|---|
| STATIC WHITE | ACC-VOYA-2.5-OPTIC-SW-16 |

**23 Degree**



PART NUMBERS:

| | |
|---|---|
| STATIC WHITE | ACC-VOYA-2.5-OPTIC-SW-23 |

**37 Degree**



PART NUMBERS:

| | |
|---|---|
| STATIC WHITE | ACC-VOYA-2.5-OPTIC-SW-37 |

**51 Degree**



PART NUMBERS:

| | |
|---|---|
| STATIC WHITE | ACC-VOYA-2.5-OPTIC-SW-51 |

**Grazer**



PART NUMBERS:

| | |
|---|---|
| STATIC WHITE | ACC-VOYA-2.5-OPTIC-SW-GZR |

## OPTICS - AMBER & WARM DIM

**20 Degree**



PART NUMBERS:

| | |
|---|---|
| AMBER | ACC-VOYA-2.5-OPTIC-A-20 |
| WARM DIM | ACC-VOYA-2.5-OPTIC-WD-20 |

**26 Degree**



PART NUMBERS:

| | |
|---|---|
| AMBER | ACC-VOYA-2.5-OPTIC-A-26 |
| WARM DIM | ACC-VOYA-2.5-OPTIC-WD-26 |

**40 Degree**



PART NUMBERS:

| | |
|---|---|
| AMBER | ACC-VOYA-2.5-OPTIC-A-40 |
| WARM DIM | ACC-VOYA-2.5-OPTIC-WD-40 |

**55 Degree**



PART NUMBERS:

| | |
|---|---|
| AMBER | ACC-VOYA-2.5-OPTIC-A-55 |
| WARM DIM | ACC-VOYA-2.5-OPTIC-WD-55 |

## LENS FILTERS

**SPREAD**



PART NUMBERS:

ACC-2.5-SP

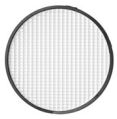
**LINEAR SPREAD**



PART NUMBERS:

ACC-2.5-LS

**WALL WASH**



PART NUMBERS:

ACC-2.5-WW

**HONEYCOMB LOUVER**



PART NUMBERS:

ACC-2.5-LV

**RETAINING RING**



PART NUMBERS:

ACC-2.5-RR

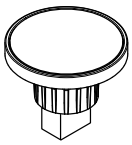
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# VOYA 2.5" ADDITIONAL SNOOTS, OPTICS, LENS FILTERS, LAMPS, KITS, & FINISH KEY RINGS

Accessories

## LAMPS

**MR16**

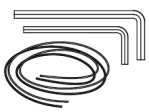


PART NUMBERS:

| | |
|---|---|
| MR16 EMERY ALLEN 1.0W 24 DEGREE 2700K STATIC WHITE 90CRI DIMMABLE | EA-MR16-1.0W-24D-2790-D |
| MR16 EMERY ALLEN 1.0W 24 DEGREE 3000K STATIC WHITE 90CRI DIMMABLE | EA-MR16-1.0W-24D-3090-D |
| MR16 EMERY ALLEN 1.0W 36 DEGREE 2700K STATIC WHITE 90CRI DIMMABLE | EA-MR16-1.0W-36D-2790-D |
| MR16 EMERY ALLEN 1.0W 36 DEGREE 3000K STATIC WHITE 90CRI DIMMABLE | EA-MR16-1.0W-36D-3090-D |
| MR16 EMERY ALLEN 1.0W 60 DEGREE 2700K STATIC WHITE 90CRI DIMMABLE | EA-MR16-1.0W-60D-2790-D |
| MR16 EMERY ALLEN 1.0W 60 DEGREE 3000K STATIC WHITE 90CRI DIMMABLE | EA-MR16-1.0W-60D-3090-D |
| MR16 EMERY ALLEN 1.0W 120 DEGREE 2700K STATIC WHITE 90CRI DIMMABLE | EA-MR16-1.0W-120D-2790-D |
| MR16 EMERY ALLEN 1.0W 120 DEGREE 3000K STATIC WHITE 90CRI DIMMABLE | EA-MR16-1.0W-120D-3090-D |
| MR16 EMERY ALLEN 3.0W 15 DEGREE 2700K STATIC WHITE 90CRI DIMMABLE | EA-MR16-3.0W-15D-2790-D |
| MR16 EMERY ALLEN 3.0W 15 DEGREE 3000K STATIC WHITE 90CRI DIMMABLE | EA-MR16-3.0W-15D-3090-D |
| MR16 EMERY ALLEN 3.0W 24 DEGREE 2700K STATIC WHITE 90CRI DIMMABLE | EA-MR16-3.0W-24D-2790-D |
| MR16 EMERY ALLEN 3.0W 24 DEGREE 3000K STATIC WHITE 90CRI DIMMABLE | EA-MR16-3.0W-24D-3090-D |
| MR16 EMERY ALLEN 3.0W 36 DEGREE 2700K STATIC WHITE 90CRI DIMMABLE | EA-MR16-3.0W-36D-2790-D |
| MR16 EMERY ALLEN 3.0W 36 DEGREE 3000K STATIC WHITE 90CRI DIMMABLE | EA-MR16-3.0W-36D-3090-D |
| MR16 EMERY ALLEN 3.0W 60 DEGREE 2700K STATIC WHITE 90CRI DIMMABLE | EA-MR16-3.0W-60D-2790-D |
| MR16 EMERY ALLEN 3.0W 60 DEGREE 3000K STATIC WHITE 90CRI DIMMABLE | EA-MR16-3.0W-60D-3090-D |
| MR16 EMERY ALLEN 3.0W 120 DEGREE 2700K STATIC WHITE 90CRI DIMMABLE | EA-MR16-3.0W-120D-2790-D |
| MR16 EMERY ALLEN 3.0W 120 DEGREE 3000K STATIC WHITE 90CRI DIMMABLE | EA-MR16-3.0W-120D-3090-D |
| MR16 EMERY ALLEN 5.0W 15 DEGREE 2700K STATIC WHITE 90CRI DIMMABLE | EA-MR16-5.0W-15D-2790-D |
| MR16 EMERY ALLEN 5.0W 15 DEGREE 3000K STATIC WHITE 90CRI DIMMABLE | EA-MR16-5.0W-15D-3090-D |
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| MR16 EMERY ALLEN 5.0W 24 DEGREE 3000K STATIC WHITE 90CRI DIMMABLE | EA-MR16-5.0W-24D-3090-D |
| MR16 EMERY ALLEN 5.0W 36 DEGREE 2700K STATIC WHITE 90CRI DIMMABLE | EA-MR16-5.0W-36D-2790-D |
| MR16 EMERY ALLEN 5.0W 36 DEGREE 3000K STATIC WHITE 90CRI DIMMABLE | EA-MR16-5.0W-36D-3090-D |
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| MR16 EMERY ALLEN 5.0W 60 DEGREE 3000K STATIC WHITE 90CRI DIMMABLE | EA-MR16-5.0W-60D-3090-D |
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| MR16 EMERY ALLEN 5.0W 120 DEGREE 3000K STATIC WHITE 90CRI DIMMABLE | EA-MR16-5.0W-120D-3090-D |
| MR16 EMERY ALLEN 7.0W 15 DEGREE 2700K STATIC WHITE 90CRI DIMMABLE | EA-MR16-7.0W-15D-2790-D |
| MR16 EMERY ALLEN 7.0W 15 DEGREE 3000K STATIC WHITE 90CRI DIMMABLE | EA-MR16-7.0W-15D-3090-D |
| MR16 EMERY ALLEN 7.0W 24 DEGREE 2700K STATIC WHITE 90CRI DIMMABLE | EA-MR16-7.0W-24D-2790-D |
| MR16 EMERY ALLEN 7.0W 24 DEGREE 3000K STATIC WHITE 90CRI DIMMABLE | EA-MR16-7.0W-24D-3090-D |
| MR16 EMERY ALLEN 7.0W 36 DEGREE 2700K STATIC WHITE 90CRI DIMMABLE | EA-MR16-7.0W-36D-2790-D |
| MR16 EMERY ALLEN 7.0W 36 DEGREE 3000K STATIC WHITE 90CRI DIMMABLE | EA-MR16-7.0W-36D-3090-D |
| MR16 EMERY ALLEN 7.0W 60 DEGREE 2700K STATIC WHITE 90CRI DIMMABLE | EA-MR16-7.0W-60D-2790-D |
| MR16 EMERY ALLEN 7.0W 60 DEGREE 3000K STATIC WHITE 90CRI DIMMABLE | EA-MR16-7.0W-60D-3090-D |
| MR16 EMERY ALLEN 7.0W 120 DEGREE 2700K STATIC WHITE 90CRI DIMMABLE | EA-MR16-7.0W-120D-2790-D |
| MR16 EMERY ALLEN 7.0W 120 DEGREE 3000K STATIC WHITE 90CRI DIMMABLE | EA-MR16-7.0W-120D-3090-D |
| MR16 EMERY ALLEN 8.0W 15 DEGREE 2700K STATIC WHITE 90CRI DIMMABLE | EA-MR16-8.0W-15D-2790-D |
| MR16 EMERY ALLEN 8.0W 15 DEGREE 3000K STATIC WHITE 90CRI DIMMABLE | EA-MR16-8.0W-15D-3090-D |
| MR16 EMERY ALLEN 8.0W 24 DEGREE 2700K STATIC WHITE 90CRI DIMMABLE | EA-MR16-8.0W-24D-2790-D |
| MR16 EMERY ALLEN 8.0W 24 DEGREE 3000K STATIC WHITE 90CRI DIMMABLE | EA-MR16-8.0W-24D-3090-D |
| MR16 EMERY ALLEN 8.0W 36 DEGREE 2700K STATIC WHITE 90CRI DIMMABLE | EA-MR16-8.0W-36D-2790-D |
| MR16 EMERY ALLEN 8.0W 36 DEGREE 3000K STATIC WHITE 90CRI DIMMABLE | EA-MR16-8.0W-36D-3090-D |
| MR16 EMERY ALLEN 8.0W 60 DEGREE 2700K STATIC WHITE 90CRI DIMMABLE | EA-MR16-8.0W-60D-2790-D |
| MR16 EMERY ALLEN 8.0W 60 DEGREE 3000K STATIC WHITE 90CRI DIMMABLE | EA-MR16-8.0W-60D-3090-D |
| MR16 EMERY ALLEN 8.0W 120 DEGREE 2700K STATIC WHITE 90CRI DIMMABLE | EA-MR16-8.0W-120D-2790-D |
| MR16 EMERY ALLEN 8.0W 120 DEGREE 3000K STATIC WHITE 90CRI DIMMABLE | EA-MR16-8.0W-120D-3090-D |
| MR16 EMERY ALLEN 3.0W 60 DEGREE AMBER | EA-MR16-3.0W-60D-AMB |

## INSTALL KIT

**Snoot Install Kit**

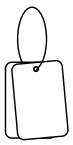


PART NUMBERS:

VOYA-SNOOT-INSTALL-KIT

## FINISH KEY RING

**Finish Key Ring**



PART NUMBERS:

VOYA-FINISH-KEY-RING

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# 2.5" VOYA LUMINAIRE

Landscape Lighting Installation Instructions

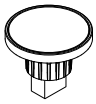
## ATTENTION: Please read all instructions BEFORE installation

- Product to be installed by a licensed electrician - Field modifications void warranty
- Warranty only valid with QTL power supplies
- Diagrams for representation only and not to scale.
- For all up-lighting applications, snoots require the weep hole to be unobstructed — orient at lowest point of aim.
- PC lenses are not rated for use with halogen lamps. Do not use PC lenses in combination with halogen lamp sources.
- Requires remote LV transformer — not included.
- Verify input voltage matches transformer (12VAC vs 24VDC)
- Set DIP switch for desired output level.

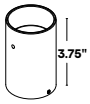
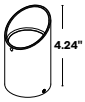
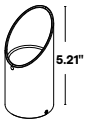
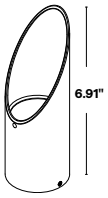
## SPECIFICATIONS

- INPUT VOLTAGE: 12VAC OR 24VDC (SEE MODEL)
- DIP SWITCH: 8-POSITION FIELD-ADJUSTABLE OUTPUT
- LEAD WIRE: 36" OF 18GA. WIRE LEADS
- NPS THREAD: 1/2-14 NPS
- LAMP: MR16
- SNOOT SCREW: M5X5mm
- KNUCKLE SCREW: M8X22.5mm


- WIRING DIAGRAM (PAGE 2)
- KNUCKLE INSTALLATION (PAGE 3)
- OPTICS INSTALLATION (PAGE 3)
- DIP SWITCH INSTALLATION (PAGE 4)
- LAMP INSTALLATION (PAGE 5)
- SNOOTS INSTALLATION (PAGE 6)

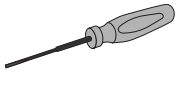

| OPTICS | LAMP |
|---|---|
|  |  |
| 12°, 16°, 23°, 37°, 51°, COB Spot for GZR OPTICS | MR16 |

**SNOOTS**

| GZR | FL | HR | 1R | 30D | 45D | 60D | GLARE SHIELD |
|---|---|---|---|---|---|---|---|
|   |   |   |   |   |   |   |   |
| GRAZER | FLUSH | 0.5" RECESSED | 1" RECESSED | 30 DEGREE | 45 DEGREE | 60 DEGREE | 45 DEGREE ADAPTER |

## COMPONENTS & HARDWARE

**PROVIDED HARDWARE**

| | | | |
|---|---|---|---|
|  |  |  |  |
| M2.5 Allen Key | M4 Allen Key | Flat Head Screw Driver | 12" Omniflex® Line |
| ALLEN KEY | ALLEN KEY | SCREW DRIVER | FLEXIBLE LINE |

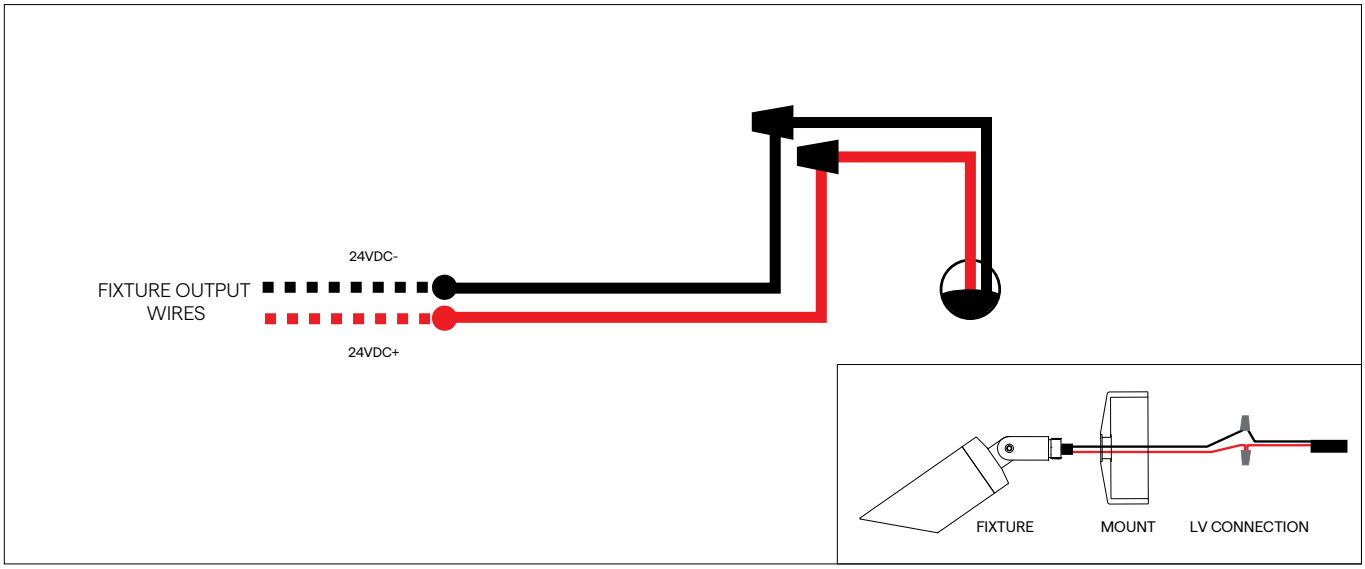


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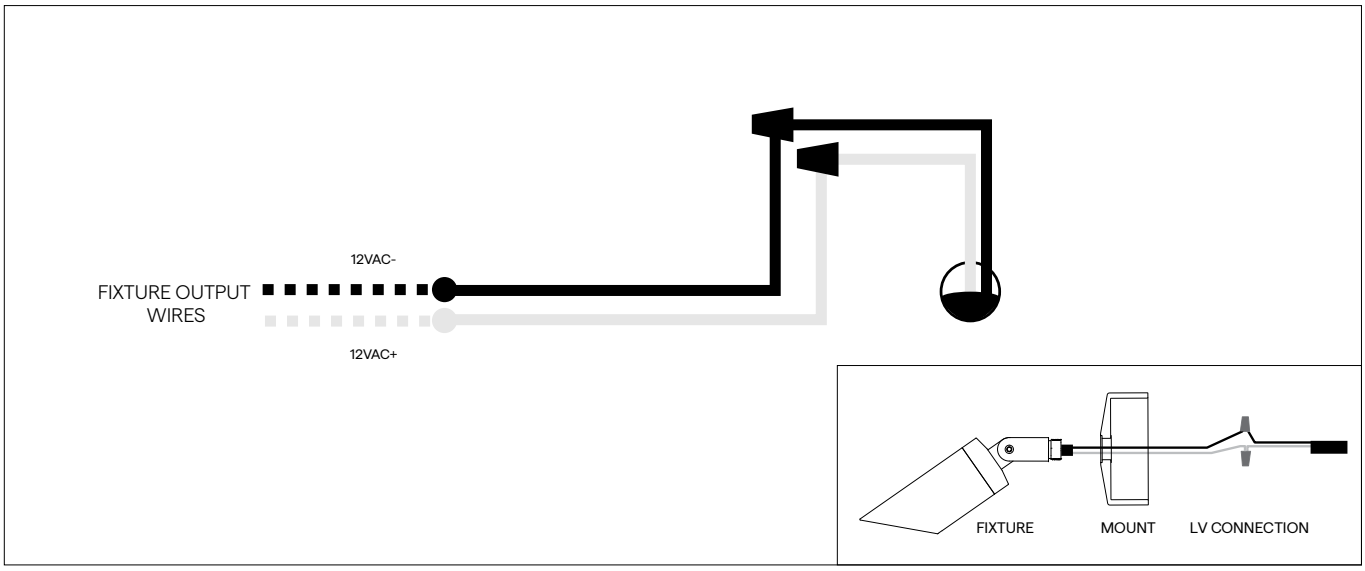
Specification subject to change. Rev-07-29-26

## WIRING DIAGRAM

LOW VOLTAGE: 24VDC



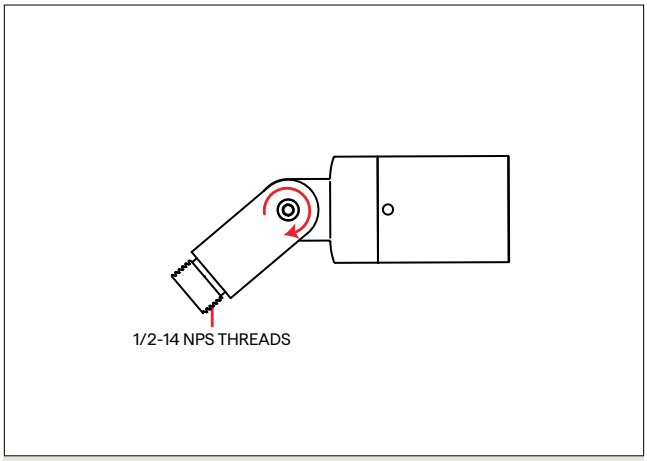

LOW VOLTAGE: 12VAC





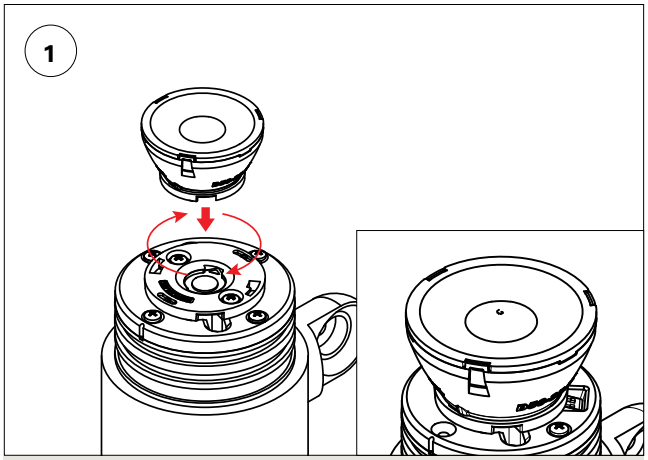

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## KNUCKLE ADJUSTMENT

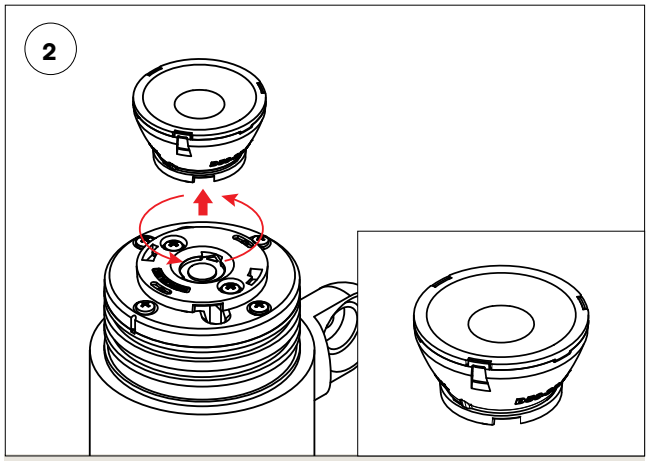



- Adjust and lock fixture at desired angle, using M4 Allen Key provided.

## OPTICS INSTALLATION




- Position the optic to align with COB holder. Apply downward pressure and rotate clockwise until it clicks into place.

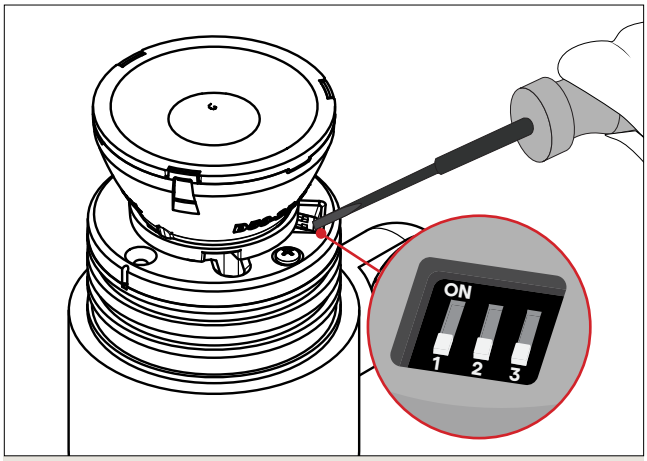



- Rotate the optic counter-clockwise until disengaged from the COB holder. Then pull up to remove.



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## DIP SWITCH ADJUSTMENT




- **To Switch:** Use a flathead screwdriver to toggle dip switch positions to adjust output. Refer to chart below for output settings.

### 12VAC

VOYA-2.5-12VAC-COB-A

| Output | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Rated Current(A) | 150 | 170 | 190 | 220 | 250 | 300 | 375 | 500 |
| DIP Code | TTT | TT⊥ | T⊥T | T⊥⊥ | ⊥TT | ⊥T⊥ | ⊥⊥T | ⊥⊥⊥ |
| Rated Power(W) | 2.9 | 3.1 | 3.3 | 3.6 | 4.1 | 4.7 | 5.4 | 6.8 |

T On ⊥ Off,

VOYA-2.5-12VAC-COB-SW

| Output | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Rated Current(A) | 150 | 170 | 190 | 220 | 250 | 300 | 375 | 500 |
| DIP Code | TTT | TT⊥ | T⊥T | T⊥⊥ | ⊥TT | ⊥T⊥ | ⊥⊥T | ⊥⊥⊥ |
| Rated Power(W) | 4.6 | 4.9 | 5.3 | 5.9 | 6.6 | 7.9 | 9.5 | 12.5 |

T On ⊥ Off,

### 24VDC

VOYA-2.5-24VDC-COB-A

| Output | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Rated Current(A) | 10 | 40 | 70 | 100 | 150 | 225 | 350 | 600 |
| DIP Code | ⊥⊥⊥ | T⊥⊥ | ⊥T⊥ | ⊥⊥T | TT⊥ | T⊥T | ⊥TT | TTT |
| Rated Power(W) | 1.1 | 1.4 | 1.7 | 1.9 | 2.4 | 3.1 | 4.3 | 6.4 |

T On ⊥ Off,

VOYA-2.5-24VDC-COB-SW

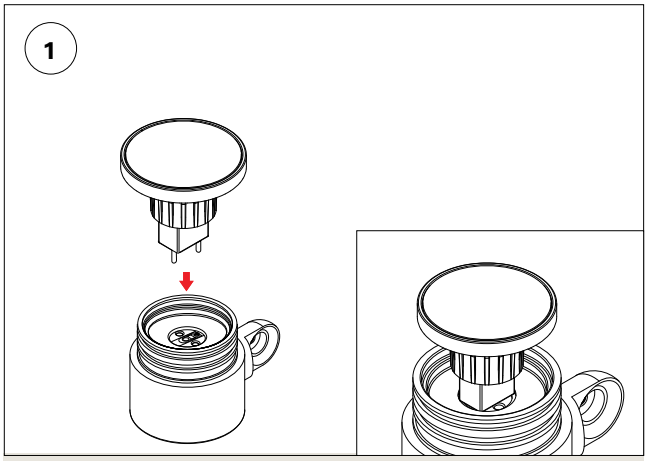
| Output | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Rated Current(A) | 10 | 40 | 70 | 100 | 150 | 225 | 350 | 600 |
| DIP Code | ⊥⊥⊥ | T⊥⊥ | ⊥T⊥ | ⊥⊥T | TT⊥ | T⊥T | ⊥TT | TTT |
| Rated Power(W) | 0.7 | 1.2 | 1.8 | 2.4 | 3.3 | 4.7 | 7.1 | 12.1 |

T On ⊥ Off,

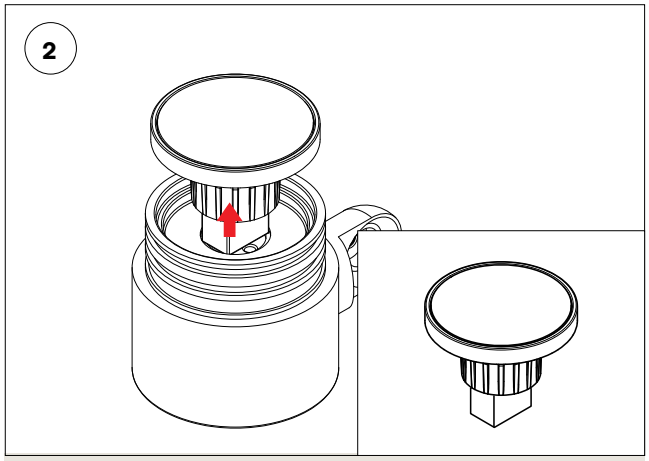


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## LAMP INSTALLATION




- **To Install:** Position the lamp over the top fixture opening. Apply downward pressure until the lamp engages with the lamp socket.

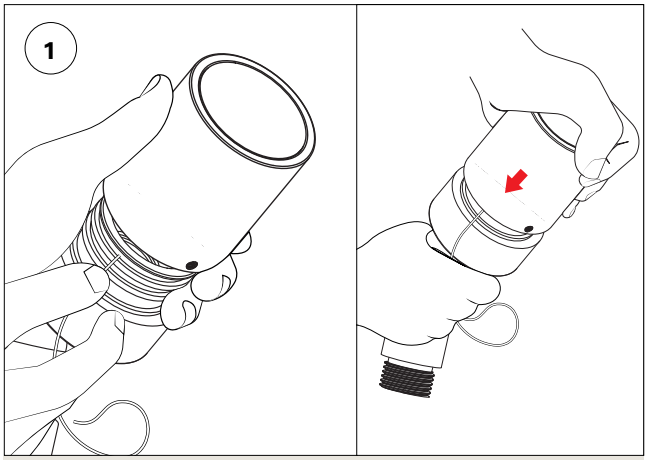



- **To Remove:** Pull the lamp straight out to disengage and remove it from the lamp socket.



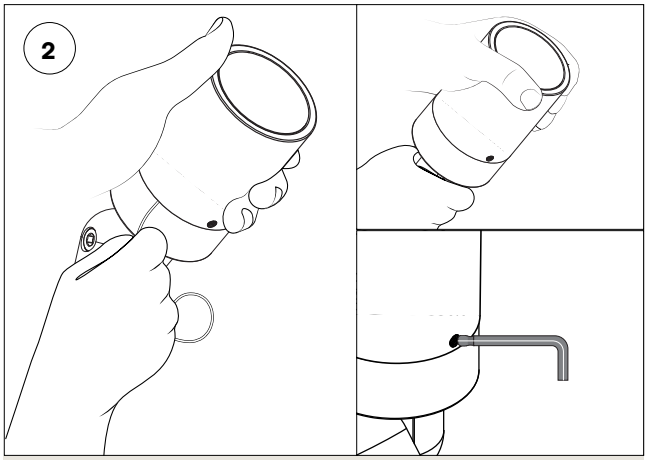
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## SNOOT INSTALLATION



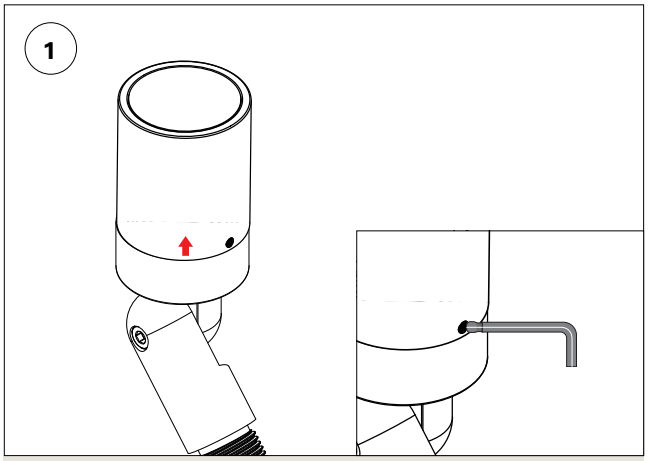

**To Install**

- **Align snoot:** Position snoot over fixture body and align it. Place the Omniflex® line over the gasket area.
- **Slide and rock onto base:** Slide snoot onto one side of fixture body. Rock gently back and forth while pressing down firmly until one side is fully seated.



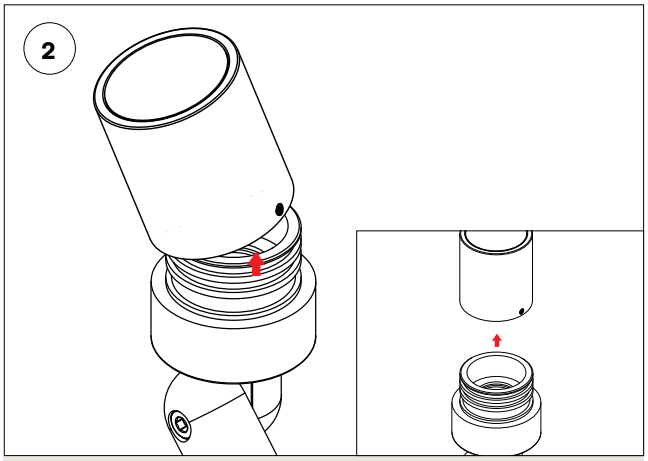

- **Secure the airtight seal:** Once the snoot is fully closed, pull the fishing wire through the snoot. Rotate the snoot until it is fully engaged, ensuring an airtight seal is maintained.
- **Secure set screw:** Tighten snoot set screw with M2.5 Allen Key, snug only. **DO NOT OVERTIGHTEN.**

**For fixtures with weep hole, orient at lowest aiming angle for proper water drainage.**




**To Remove**

- **Loosen set screw:** Loosen snoot set screw with M2.5 Allen Key, do not remove fully.




- **Rock and lift off:** Rock snoot side to side while gently pulling upward to release from fixture body.



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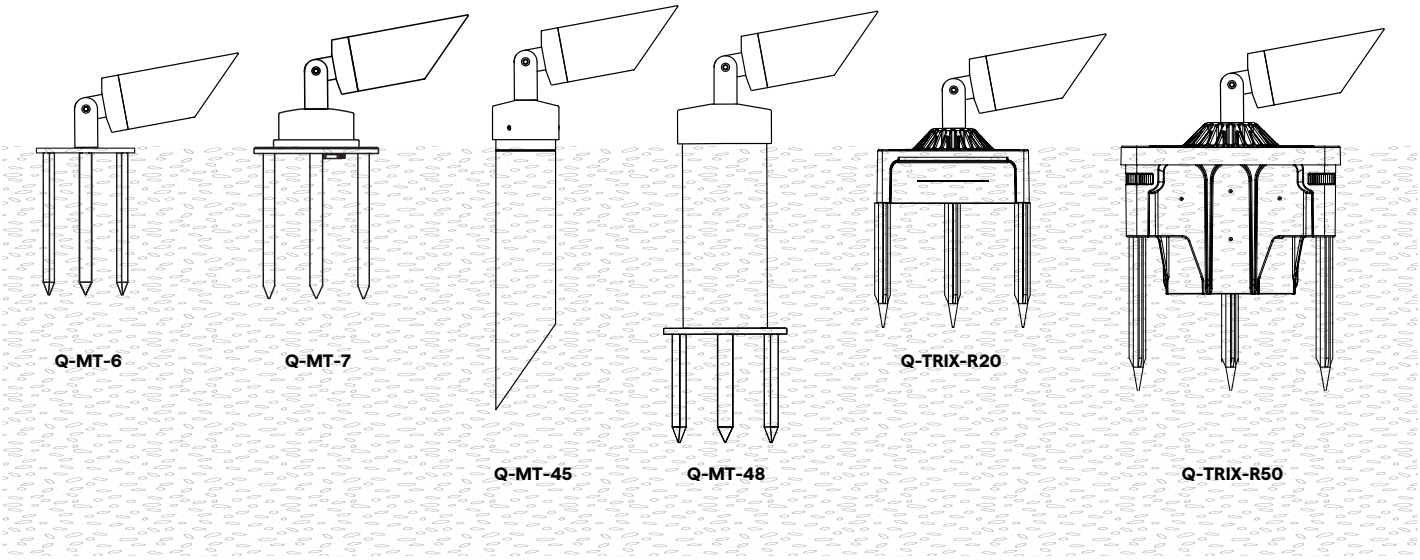
# DIRECT BURIAL

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 (PAGE 5-9)
- DIRECT BURIAL - WITH DRIVER (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 No Driver | Q-MT-48 With Driver | Q-TRIX-R20 No Driver | Q-TRIX-R50 With Driver |
|---|---|---|---|---|---|---|---|
| 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 | ✓ | ✓ | ✓ | | | | |

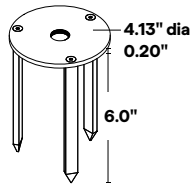


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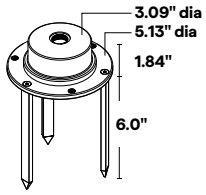
# DIRECT BURIAL

Landscape Lighting Installation Instructions

**Q-MT-6**

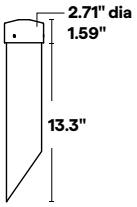



**Q-MT-7**

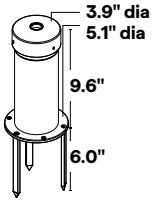



With Water Protection

**Q-MT-45**

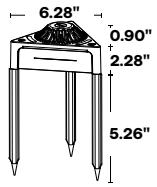



**Q-MT-48**



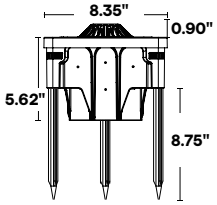

With Water Protection
No Driver | With Driver

**Q-TRIX-R20**




With Water Protection
No Driver

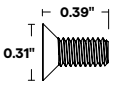
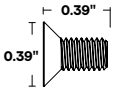
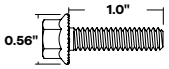
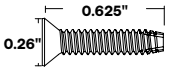
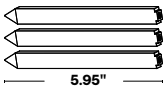
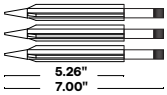
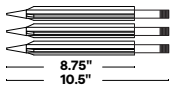
**Q-TRIX-R50**



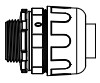
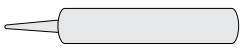
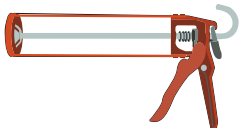

With Water Protection
With Driver

## COMPONENTS & HARDWARE

**PROVIDED HARDWARE**

| | | | |
|---|---|---|---|
|   **#PN** Q-MT-7 **QTY** 3 |   **#PN** Q-MT-6, Q-MT-7 **QTY** 3, 3 |   **#PN** Q-MT-45 **QTY** 3 |   **TYPE** SCREWS For Q-TRIX-R50 **QTY** 3 |
| M4x10mm | M5x12mm | M5x6mm | 1/4"-20x1" |
| FLAT HEAD HEX SCREW | PHILLIPS FLAT HEAD SCREW | SET SCREW | SERRATED-FLANGE HEX HEAD SCREWS |
|   **TYPE** SCREWS For Q-TRIX-R20 **QTY** 3 |   **#PN** Q-MT-6, Q-MT-7, Q-MT-48 **QTY** 3, 3, 3 |   **TYPE** STAKE **QTY** 3 |   **TYPE** STAKE **QTY** 3 |
| 6-32x5/8" | Stake: Use M5×12mm Phillips FH screws | Stake for Q-TRIX-R20 | Stake for Q-TRIX-R50 |
| PHILLIPS FLAT HEAD THREAD SCREW | PLANTING STAKE | PLANTING STAKE | PLANTING STAKE |

**RECOMMENDED HARDWARE** | **SUGGESTED TOOLS/MATERIALS**

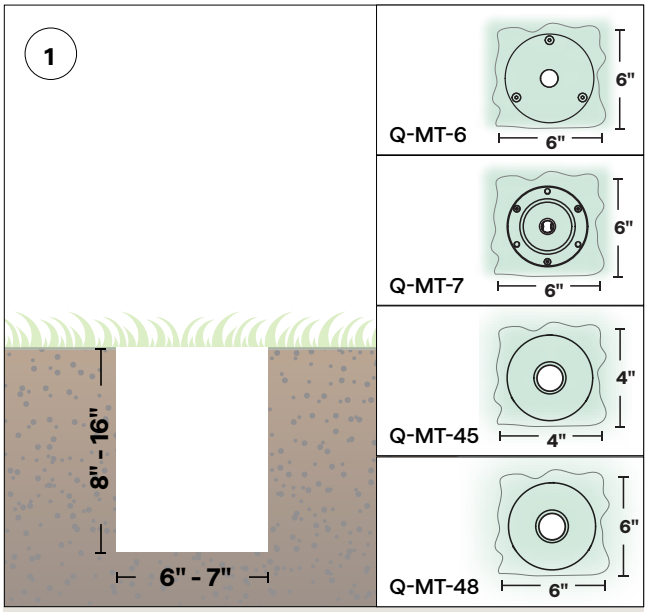
| | | | |
|---|---|---|---|
|  **#PN** Q-MT-6 **QTY** 1 |  **#PN** Q-MT-7, Q-MT-48 **QTY** 1, 1 |  |  |
| 1/2-14 NPS HEX NUT | 1/2" Liquid-Tight Connector (By Others) | Waterproof Silicone | |
| HEX NUT / JAM NUT | CONDUIT CONNECTOR | ALL PURPOSE SILICONE | CAULKING GUN |



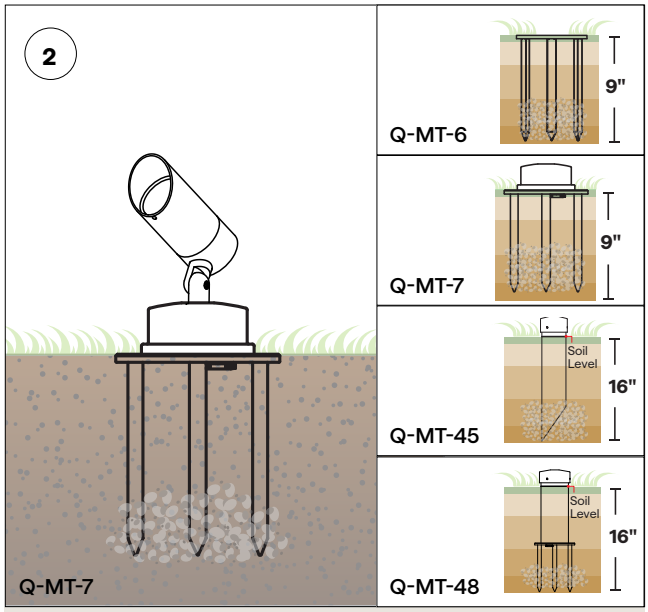
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## SURFACE PREP

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

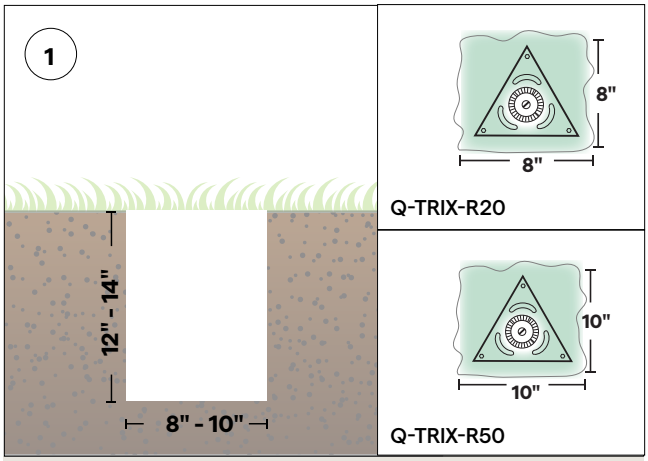



- Dig the hole to match the size of the housing for the product, as shown above for the hole length and width.

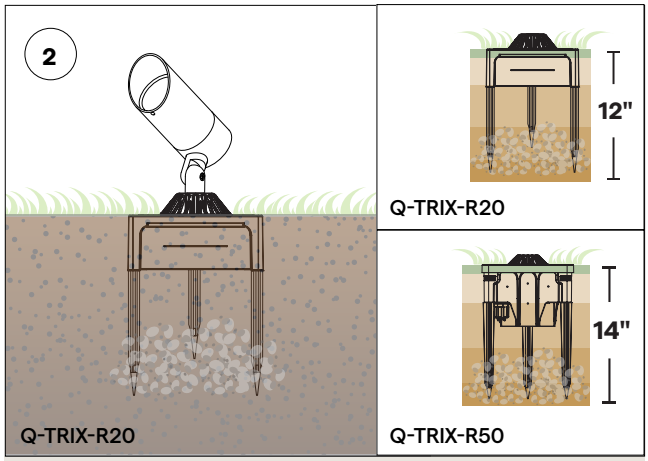



- Dig the hole to match the size of the housing for the product, as shown above for the hole depth.

### 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.

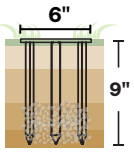


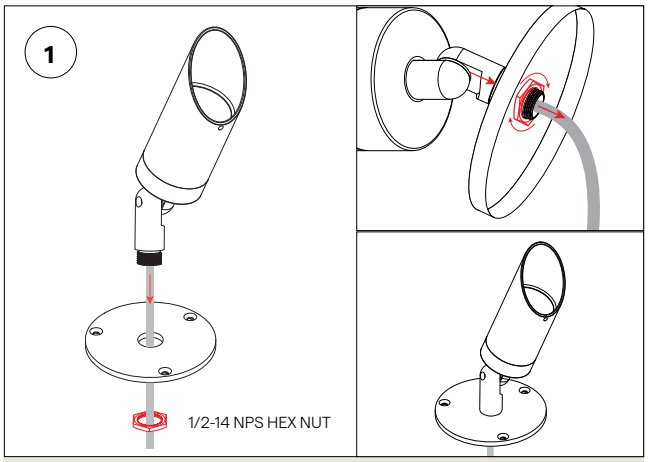
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# DIRECT BURIAL

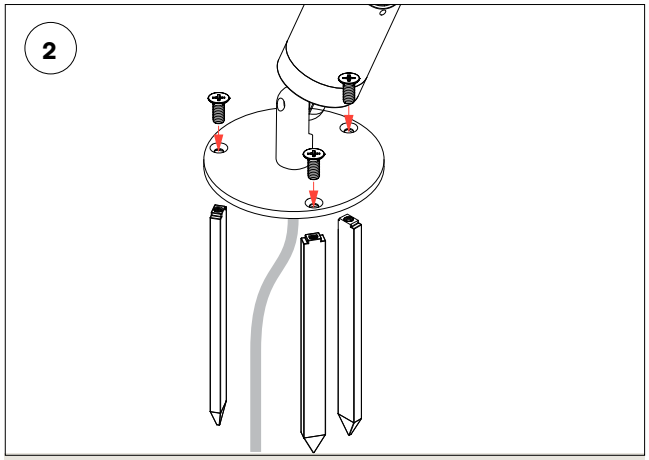
Landscape Lighting Installation Instructions

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

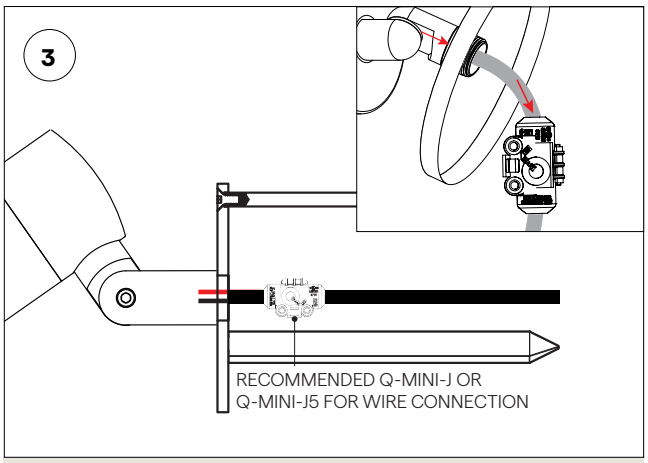


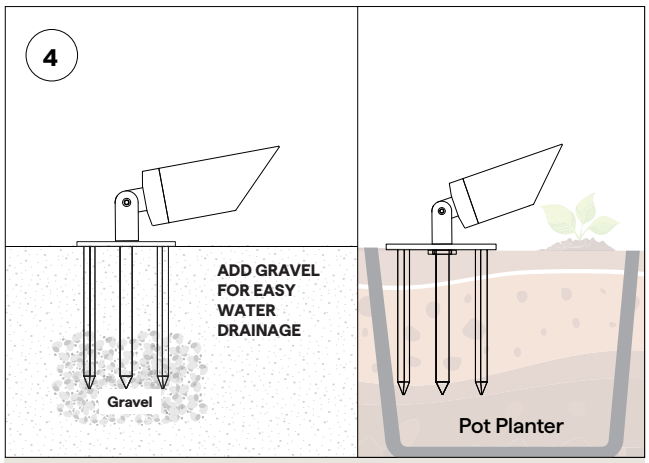

- Feed the fixture lead wire down through the plate, then screw fixture down with HEX NUT until fully seated.




- 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.**

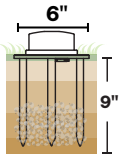


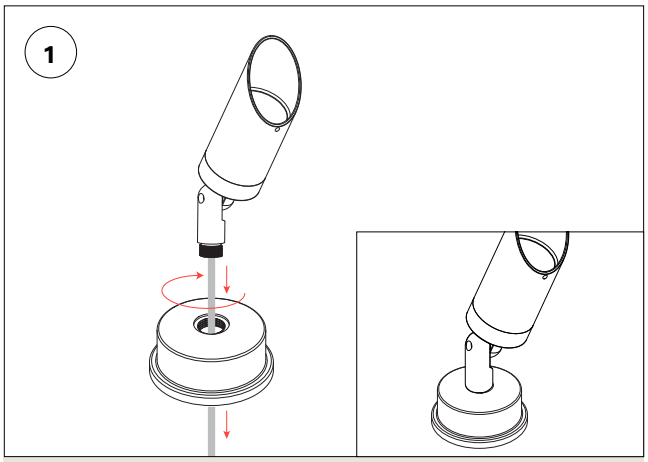
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# DIRECT BURIAL

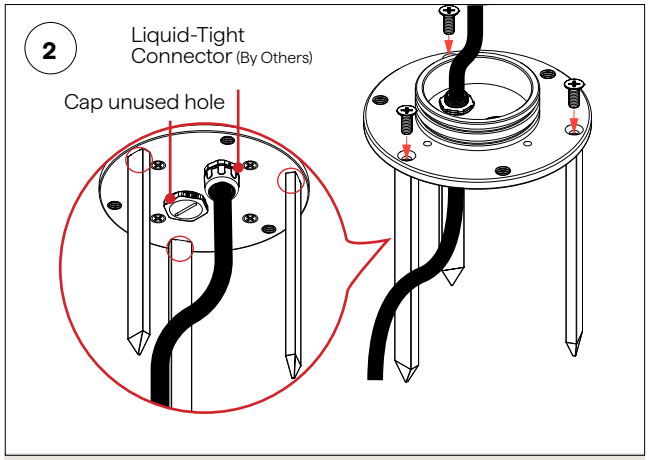
Landscape Lighting Installation Instructions

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

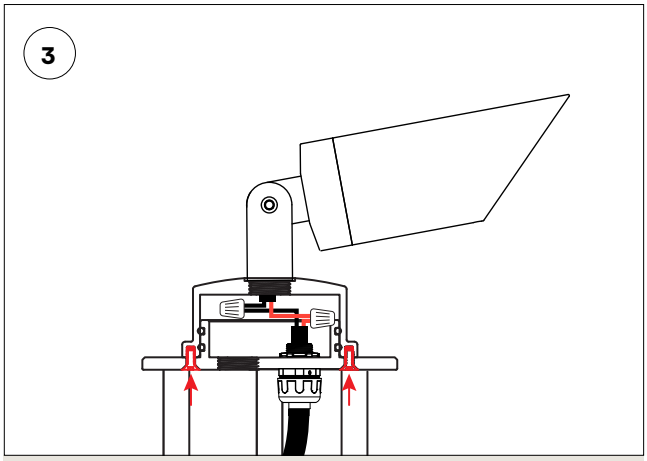


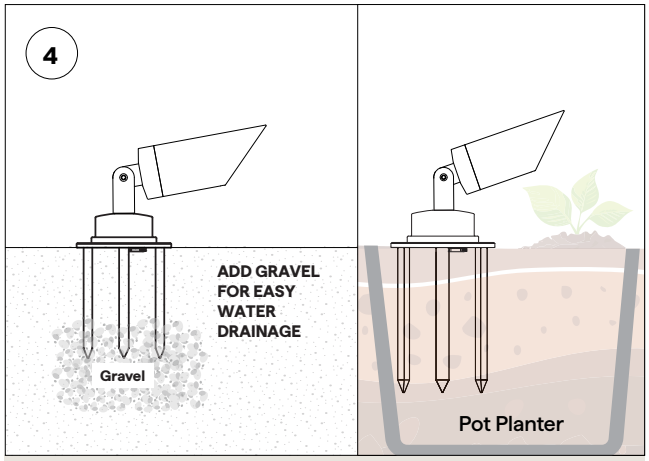

- Feed the fixture lead wire down through the canopy, then thread the fixture stem into the canopy opening and rotate until fully seated.




- 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.**

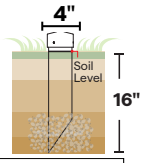


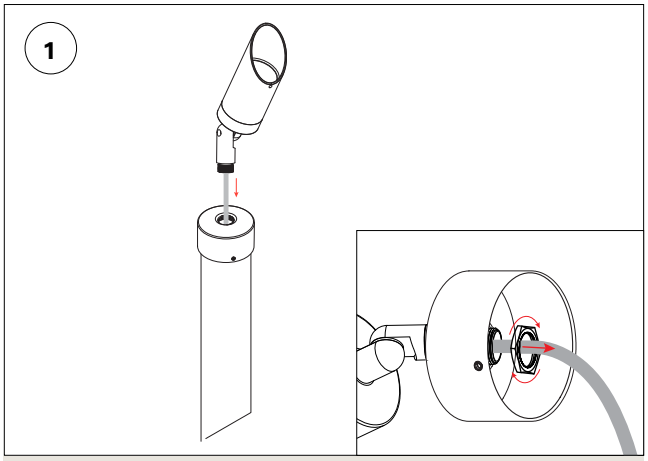
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# DIRECT BURIAL

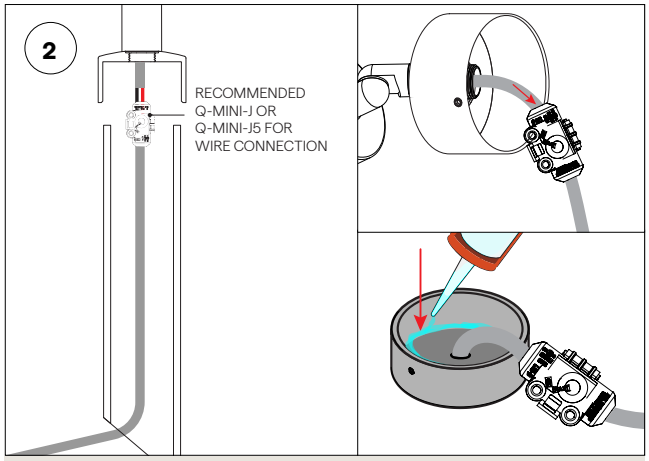
Landscape Lighting Installation Instructions

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

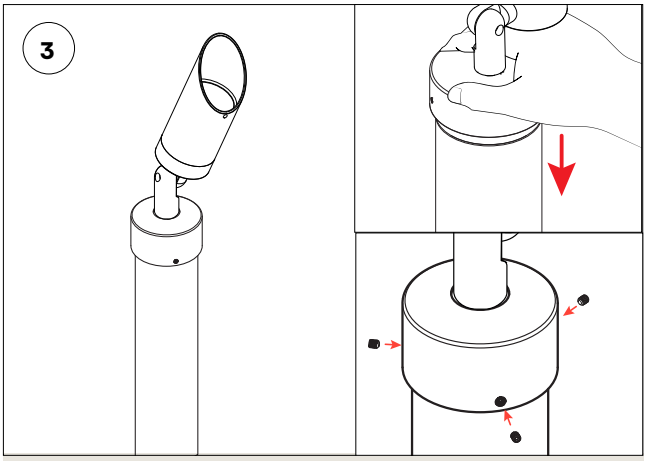


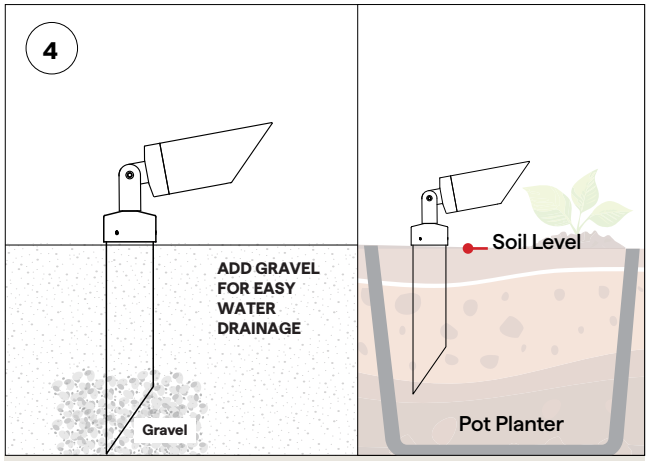

- Feed the fixture lead wire down through the canopy, then thread the fixture stem into the canopy opening and rotate until fully seated.




- 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.**

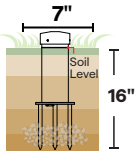


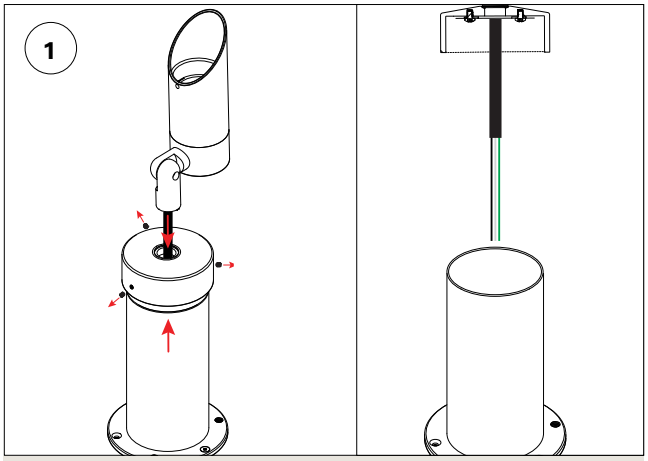
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# DIRECT BURIAL

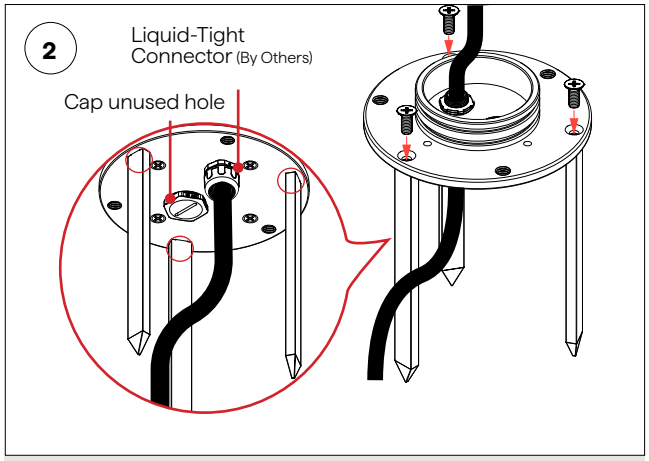
Landscape Lighting Installation Instructions

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

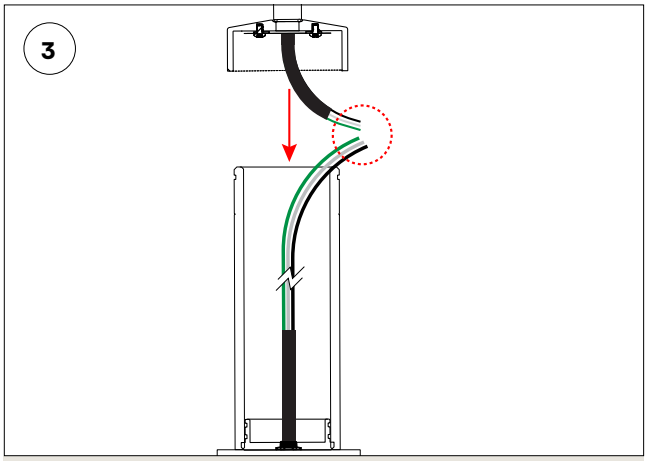


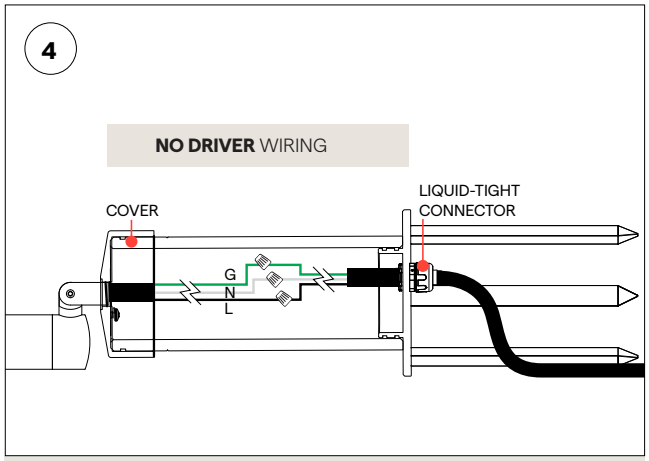

- Remove the set screws, then remove the top cap.
- Install fixture onto canopy.
- Feed the fixture lead wire down through the canopy then thread the fixture into the canopy opening and rotate until fully seated.




- 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.

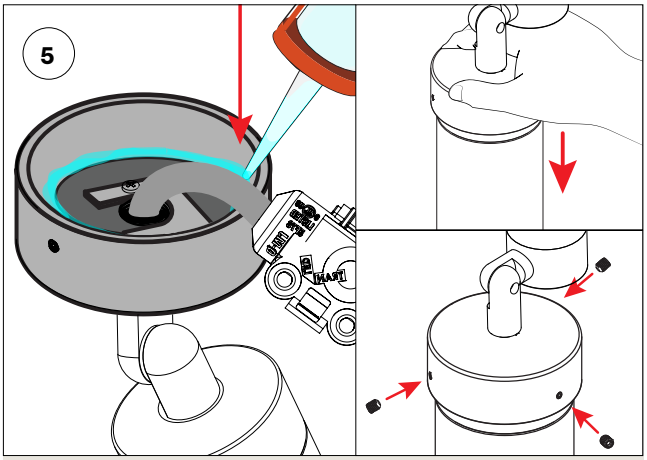



- Visual representation of complete wiring.
- Follow the wiring diagram in the luminaire instructions.

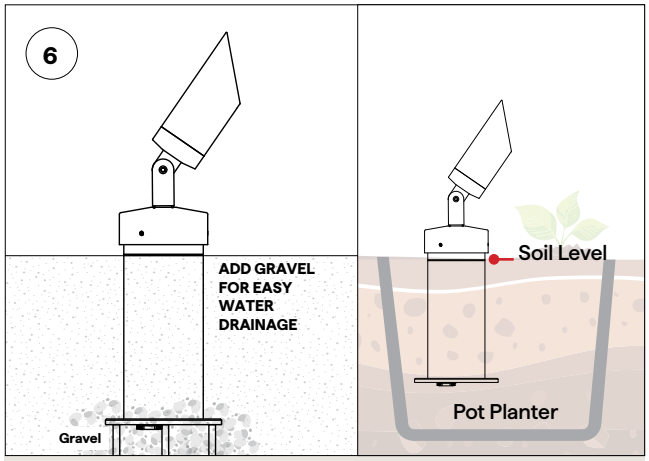


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MOUNTING METHOD: **DIRECT BURIAL - NO DRIVER**
Q-MT-48




- 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.



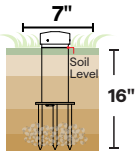

- Add gravel for easy drainage then backfill hole with soil as shown.

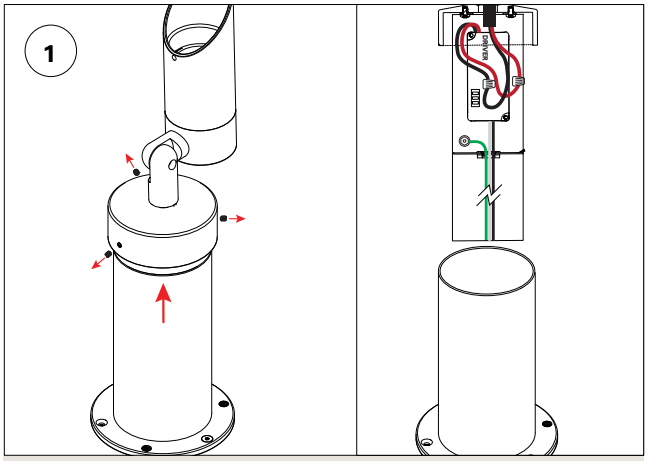
**DO NOT COVER THE LUMINAIRE.**



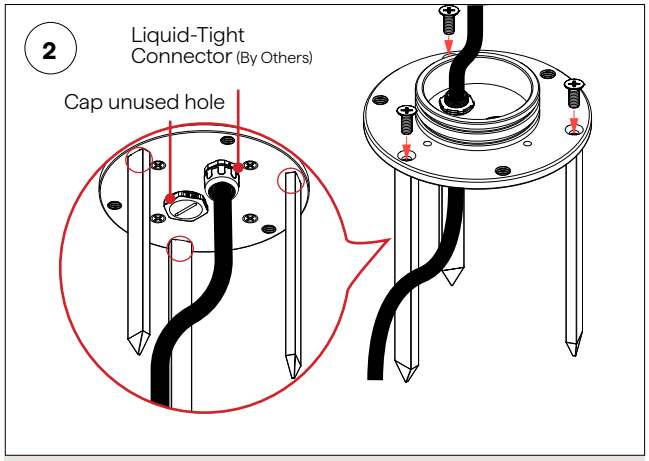
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MOUNTING METHOD: **DIRECT BURIAL - WITH DRIVER**
Q-MT-48

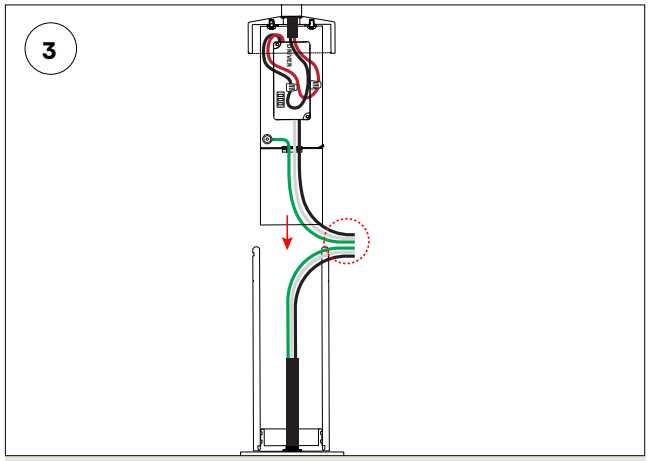


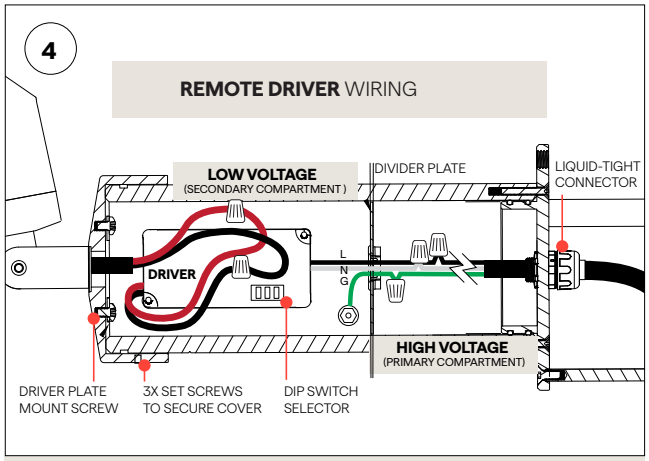

- Remove the set screws, then remove the top cap along with driver attached.




- 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.

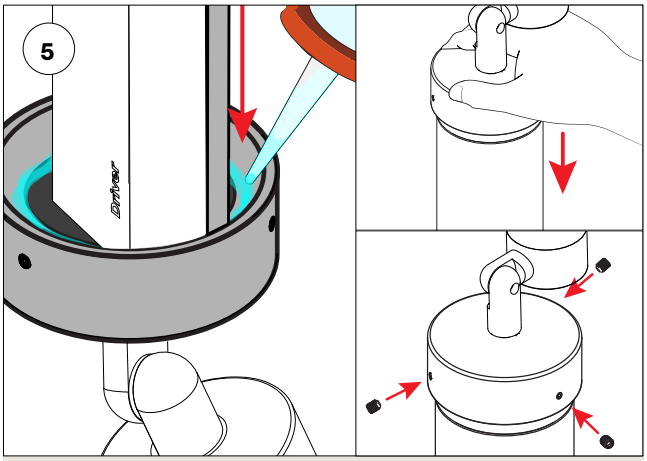



- Visual representation of complete wiring.
- Follow the wiring diagram in the luminaire instructions.

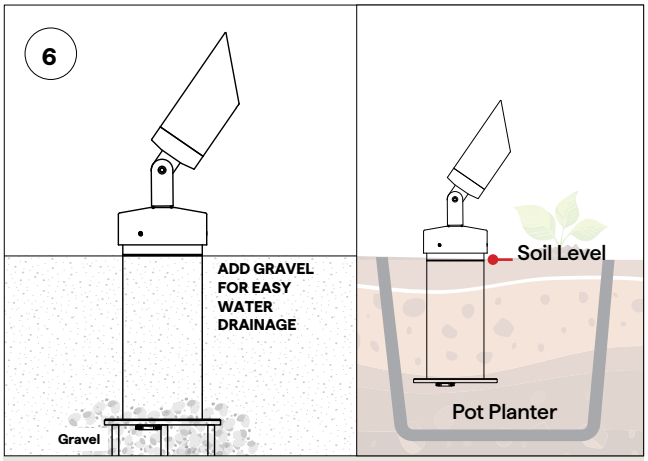


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MOUNTING METHOD: **DIRECT BURIAL - WITH DRIVER**
Q-MT-48




- 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.



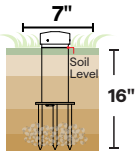

- Add gravel for easy drainage then backfill hole with soil as shown.

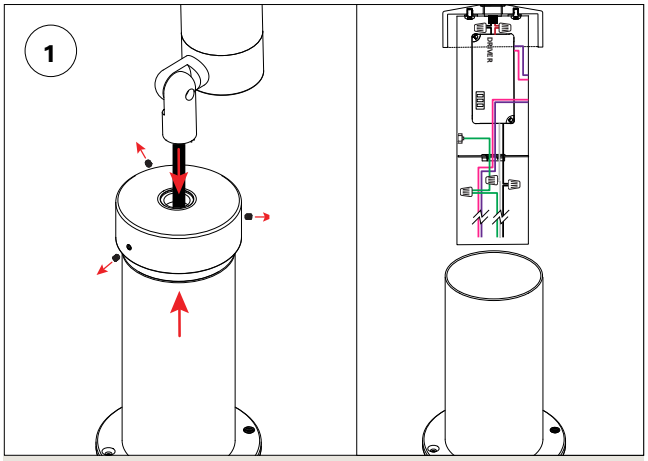
**DO NOT COVER THE LUMINAIRE.**



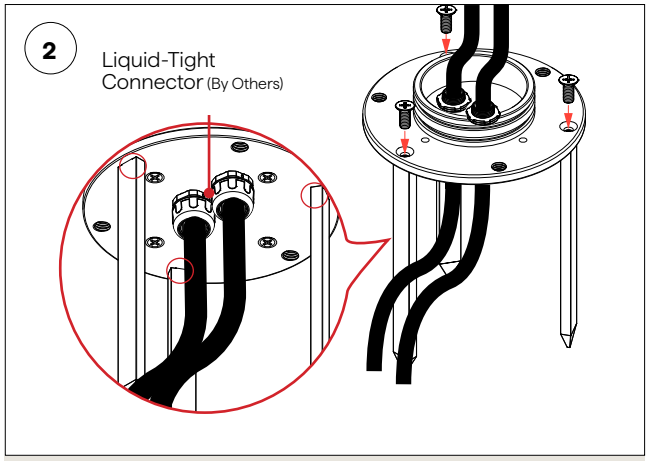
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MOUNTING METHOD: **DIRECT BURIAL - DRIVER WITH DIMMER**
Q-MT-48

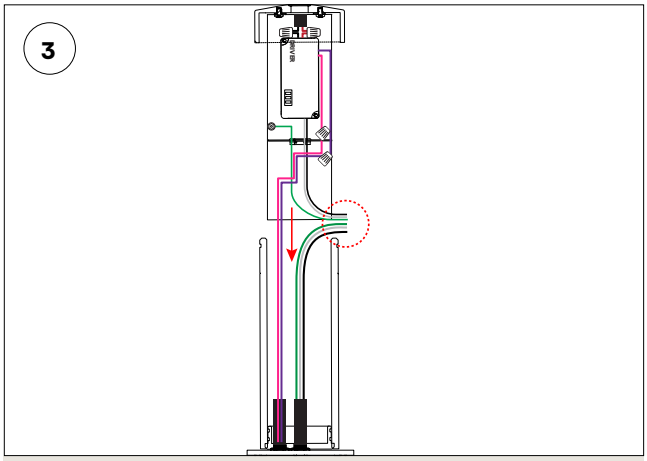


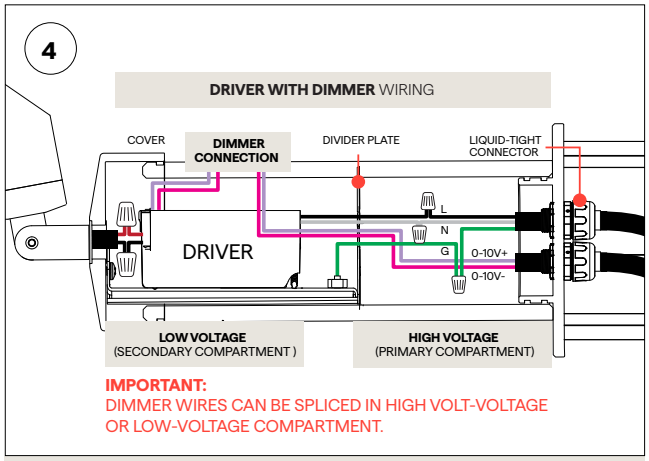

- Remove the set screws, then remove the top cap along with driver attached.




- 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.

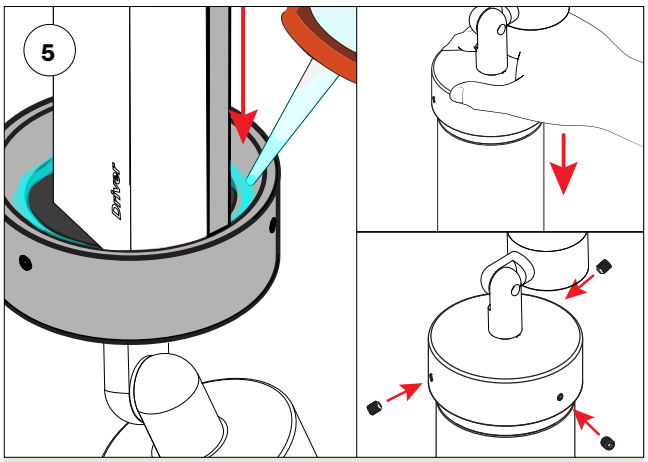



- Visual representation of complete wiring.
- Follow the wiring diagram in the luminaire instructions.

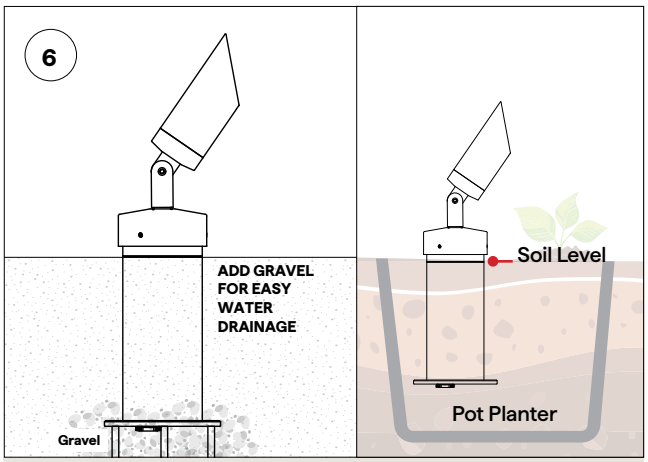


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MOUNTING METHOD: **DIRECT BURIAL - DRIVER WITH DIMMER**
Q-MT-48




- 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.**

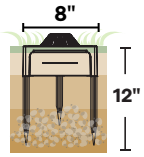


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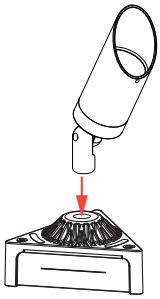
# DIRECT BURIAL

Landscape Lighting Installation Instructions

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



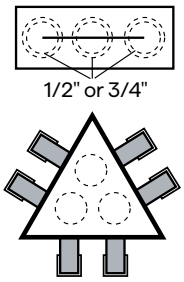

**1**

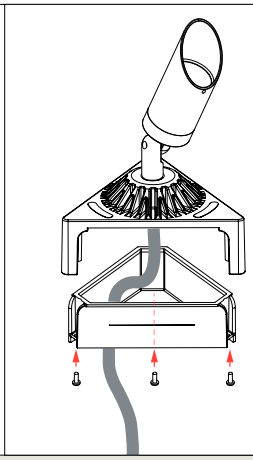


- Remove the cap to expose the 1/2" NPT threads and center knockout (KO), then install the fixture.

**IMPORTANT**
SQUEEZE SILICONE INTO THE THREADS
BEFORE MOUNTING FIXTURE

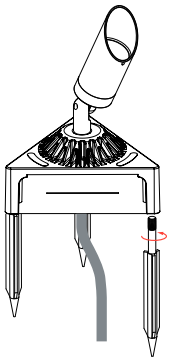
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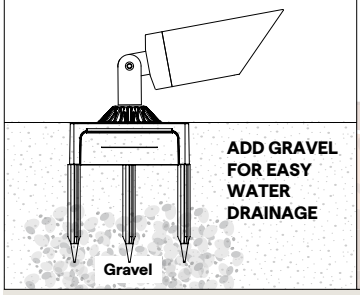
- Complete the wiring and power connection, then secure the bottom of the Q-TRIX unit with the three (3) supplied screws.

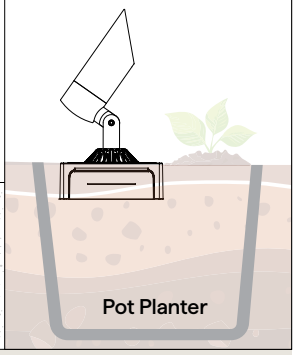
**3**



- 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.**



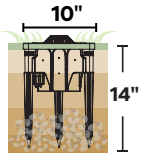
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# DIRECT BURIAL

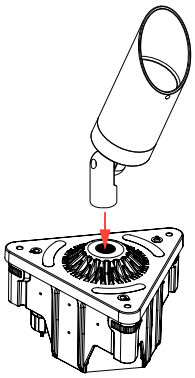
Landscape Lighting Installation Instructions

MOUNTING METHOD: **DIRECT BURIAL - Q-TRIX WITH DRIVER**

Q-TRIX-R50



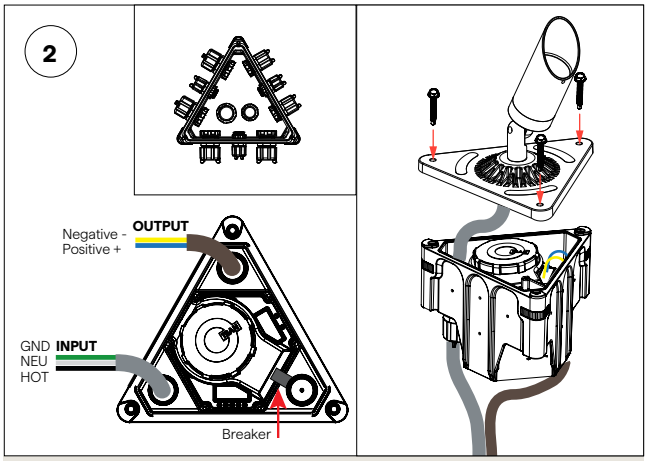

**1**



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

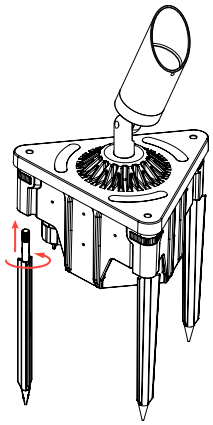
**IMPORTANT**
SQUEEZE SILICONE INTO THE THREADS
BEFORE MOUNTING FIXTURE

**2**



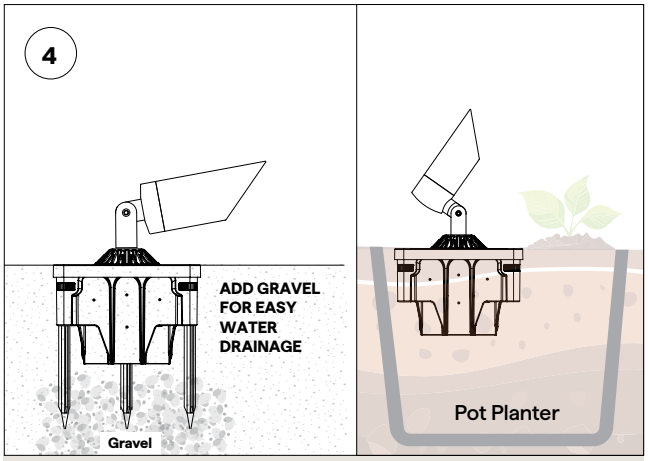

- Complete the wiring and power connection, then secure the bottom of the Q-TRIX unit with the three (3) supplied screws.

**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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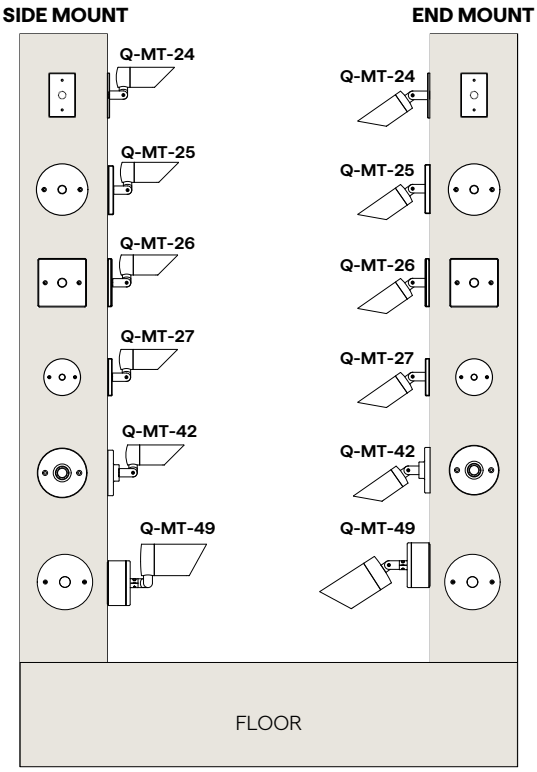
# SURFACE & RECESSED J-BOX

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.
- Apply silicone around the edge of the canopy for additional water protection.
- Ensure the J-BOX is flush and securely fastened before mounting the canopy.
- J-BOX, conduit, and connectors are supplied by the installer — not included.
- RISK OF FIRE OR INJURY / SAVE THESE INSTRUCTIONS
- Install per NEC and local codes.

## METHODS OF INSTALLATION





- LUMINAIRE & MOUNT COMPATIBILITY (PAGE 2)
- COMPONENTS & HARDWARE (PAGE 3)
- SURFACE/WALL J-BOX - NO DRIVER (PAGE 4)
- RECESSED J-BOX - NO DRIVER (PAGE 5)
- RECESSED J-BOX - 120V DRIVER (PAGE 6)




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# SURFACE & RECESSED J-BOX

Landscape Lighting Installation Instructions

## LUMINAIRE & MOUNT COMPATIBILITY

| | Q-MT-24 | Q-MT-25 | Q-MT-26 | Q-MT-27 | Q-MT-42 | Q-MT-49BF No Driver | Q-MT-49BF With Driver | Q-MT-49SF No Driver | Q-MT-49SF With Driver |
|---|---|---|---|---|---|---|---|---|---|
| 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 DL-6 | | ✓ | | ✓ | | | | | |
| Excelsior DL-7 | | ✓ | | ✓ | | | | | |
| Excelsior DL-8 | | ✓ | | ✓ | | | | | |
| Excelsior DL-10 | | ✓ | | ✓ | | | | | |
| Excelsior DL-10L | | ✓ | | ✓ | | | | | |
| Excelsior DL-11 | | ✓ | | ✓ | | | | | |
| Excelsior DL-11L | | ✓ | | ✓ | | | | | |
| Excelsior DL-12 | | ✓ | | ✓ | | | | | |
| Excelsior DL-12L | | ✓ | | ✓ | | | | | |
| Excelsior DL-13 | | ✓ | | ✓ | | | | | |
| Excelsior DL-13L | | ✓ | | ✓ | | | | | |
| Excelsior DL-14 | | ✓ | | ✓ | | | | | |
| Excelsior DL-14L | | ✓ | | ✓ | | | | | |
| Excelsior DL-28 | ✓ | ✓ | ✓ | ✓ | | | | | |
| Excelsior DL-29 | ✓ | ✓ | ✓ | ✓ | | | | | |
| Excelsior DL-30 | ✓ | ✓ | ✓ | ✓ | | | | | |
| Excelsior UL-28 | | ✓ | ✓ | ✓ | | | | | |
| Excelsior UL-29 | | ✓ | ✓ | ✓ | | | | | |
| Excelsior UL-30 | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-1 | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-1L | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-2 | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-2L | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-4 | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-4L | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-5 | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-5L | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-6 | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-6L | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-23 | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-24 | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-25 | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-26 | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-27 | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-28 | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-7 | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-7L | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-8 | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-8L | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-10 | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-10L | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-12 | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-12L | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-29 | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-30 | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-31 | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-38 | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-39 | | ✓ | ✓ | ✓ | | | | | |
| Excelsior WA-40 | | ✓ | ✓ | ✓ | | | | | |



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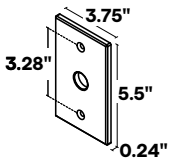
# SURFACE & RECESSED J-BOX

Landscape Lighting Installation Instructions

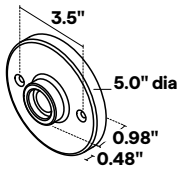


## SURFACE/WALL J-BOX PLATES

### Q-MT-24

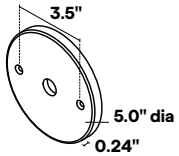



### Q-MT-42

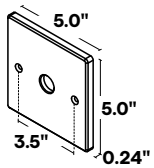



## RECESSED J-BOX PLATES

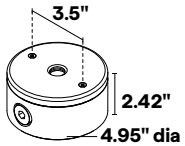
### Q-MT-25




### Q-MT-26

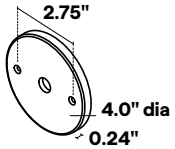



### Q-MT-49

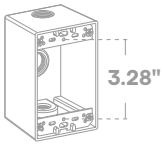



With Water Protection

### Q-MT-27

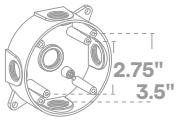



## RECOMMENDED JUNCTION BOXES (BY OTHERS)



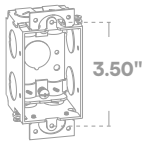

6-32x1.25"

SINGLE GANG
WEATHERPROOF J-BOX



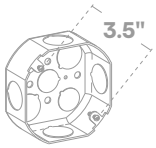

10-24x 1.25"

4/O
WEATHERPROOF J-BOX



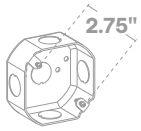

6-32×1.25"

SINGLE GANG
RECESSED J-BOX




8-32x1.25"

4/O
RECESSED J-BOX

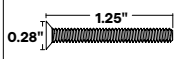



8-32x1.25"

3/O
RECESSED J-BOX

## COMPONENTS & HARDWARE

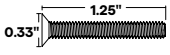
### PROVIDED HARDWARE




| #PN | QTY |
|---|---|
| Q-MT-24 | 2 |
| Q-MT-49 | 2 |

6-32x1.25"

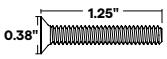
FLAT HEAD SCREW




| #PN | QTY |
|---|---|
| Q-MT-25 | 2 |
| Q-MT-26 | 2 |
| Q-MT-27 | 2 |

8-32x1.25"

FLAT HEAD SCREW




| #PN | QTY |
|---|---|
| Q-MT-42 | 2 |

10-24x 1.25"

FLAT HEAD SCREW




| #PN | QTY |
|---|---|
| Q-MT-42 | 1 |

10-32x3/16"

SET SCREW

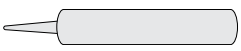
### SUGGESTED TOOLS/MATERIALS



| #PN | QTY |
|---|---|
| Q-MT-24 | 1 |
| Q-MT-25 | 1 |
| Q-MT-26 | 1 |
| Q-MT-27 | 1 |

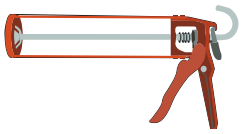
1/2-14 NPS HEX NUT

HEX NUT / JAM NUT



Waterproof Silicone

ALL PURPOSE SILICONE



CAULKING GUN

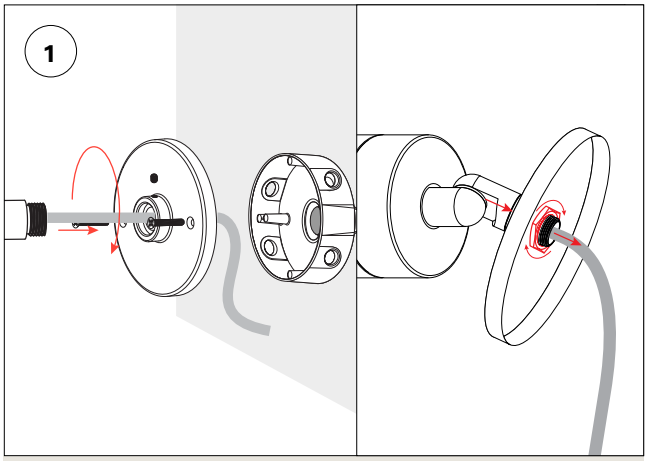
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# SURFACE & RECESSED J-BOX

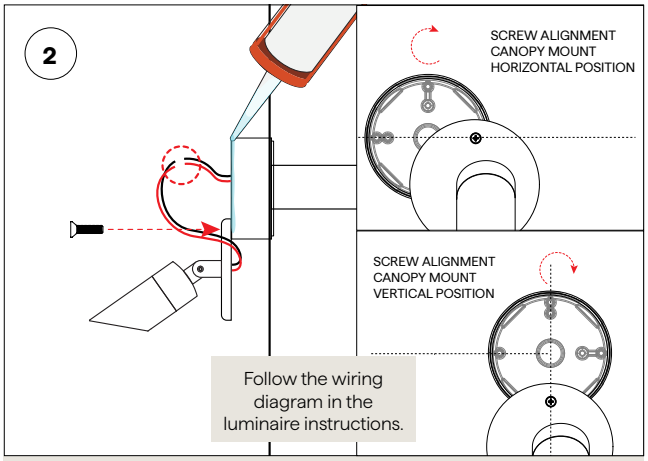
Landscape Lighting Installation Instructions

## MOUNTING METHOD: **SURFACE/WALL J-BOX - NO DRIVER**

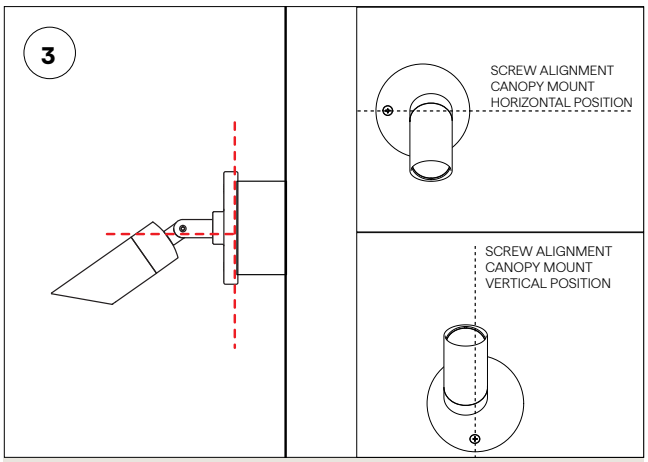
Q-MT-24, Q-MT-42



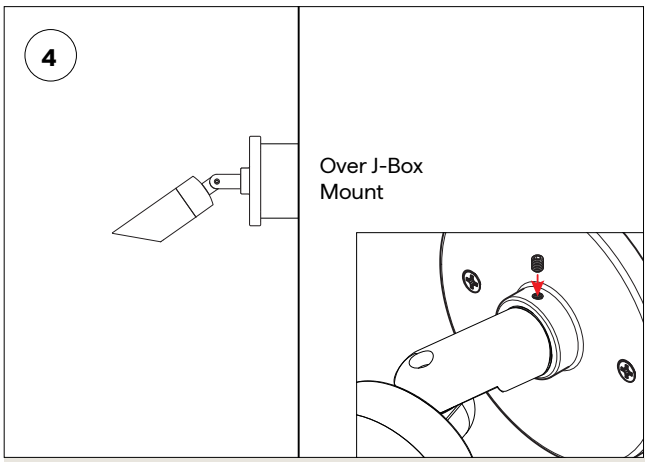

- Prepare the J-BOX by removing knockouts for wire entry
- Install the surface-mount J-BOX on the wall following the manufacturer's instructions.
- Bring the power supply wires through the J-BOX connectors.
- Q-MT-42: Install the fixture onto the canopy and screw it on until seated.
- Q-MT-24: Install the fixture onto the canopy and secure it with the provided jam nut.




- Mount one side of the canopy with the provided screws.
- Cut the wires to length as needed and splice the fixture and J-BOX wires together.
- Add a bead of silicone around the trim of the J-BOX for additional water protection as needed.




- Tuck the excess wires into the J-BOX, rotate the canopy into position, and install the provided screw into the J-BOX.



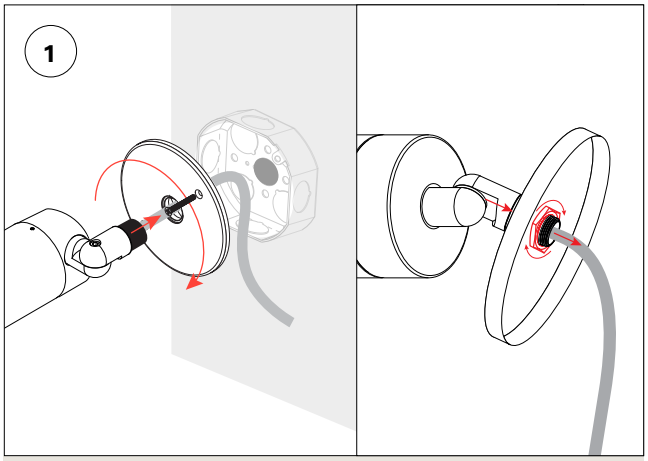

- Q-MT-42: The fixture can be rotationally adjusted slightly with the provided set screw on the canopy. Other canopies do not have this feature.
- Installation complete.



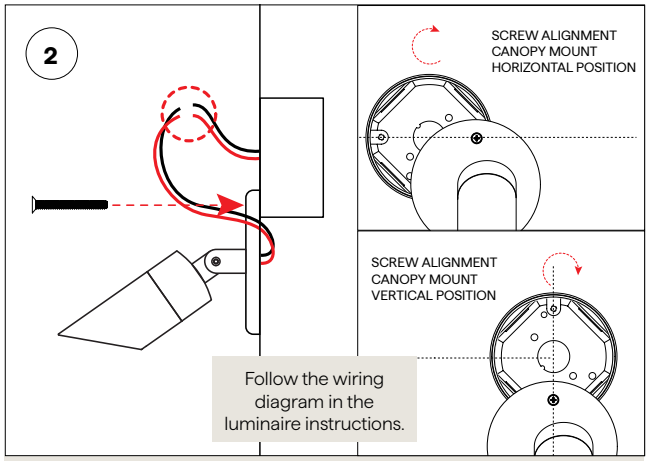
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## MOUNTING METHOD: **RECESSED J-BOX - NO DRIVER**

Q-MT-25, Q-MT-26, Q-MT-27, Q-MT-49BF

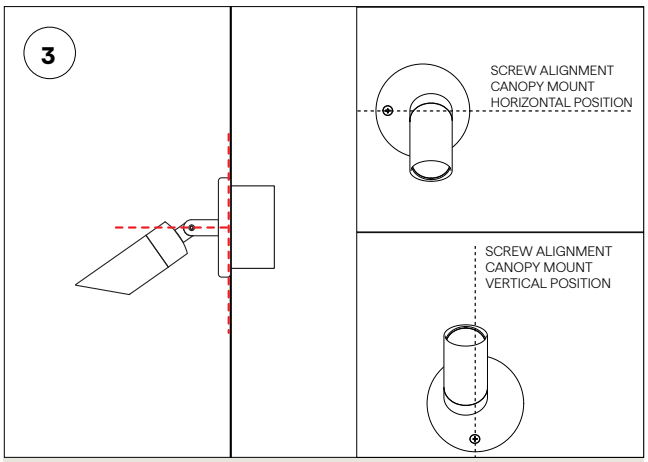



- Prepare the J-BOX by removing knockouts for wire entry.
- Install the recessed J-BOX behind the surface following the manufacturer's instructions.
- Bring the power supply wires through the J-BOX connectors.
- Q-MT-49: Install the fixture onto the canopy and screw it on until seated.
- Q-MT-25, Q-MT-26, Q-MT-27: Install the fixture onto the canopy and secure it with the provided jam nut.

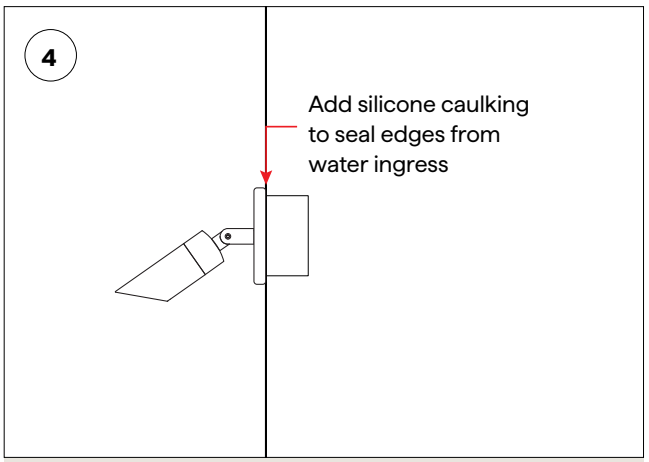



- Mount one side of the canopy with the provided screws.
- Cut the wires to length as needed and splice the fixture and J-BOX wires together.

***NOTE:*** *The canopy must completely cover the J-BOX and the excess hole cutout. Mounting screws are not provided. Secure the Q-MT-49 base using #10 mounting screws (by others).*




- Tuck the excess wires into the J-BOX, rotate the canopy into position, and install the provided screw into the J-BOX.




- Add additional silicone caulking for extra protection against water ingress.
- Installation complete.



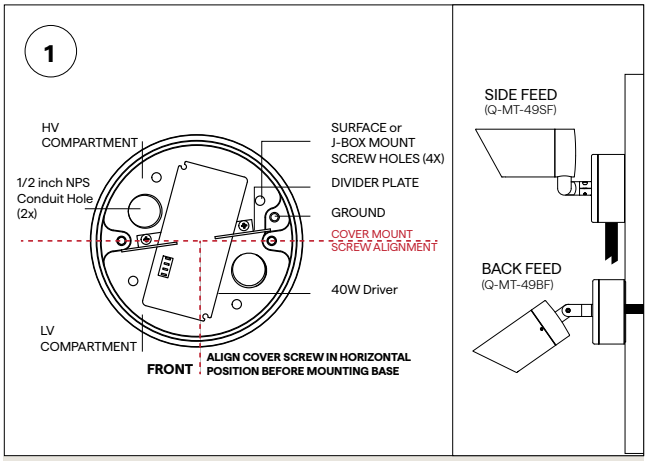
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# SURFACE & RECESSED J-BOX

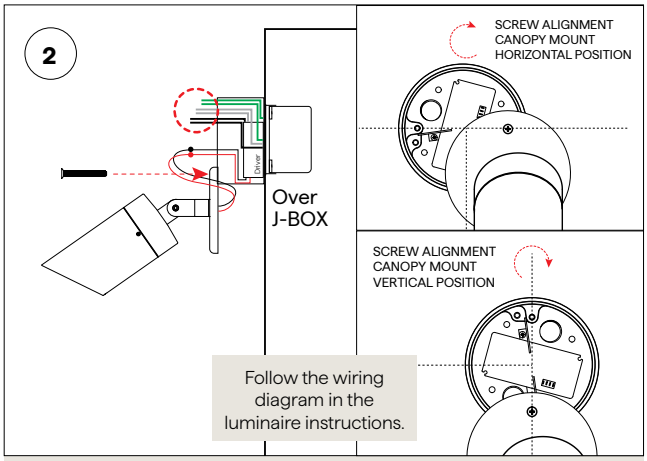
Landscape Lighting Installation Instructions

## MOUNTING METHOD: **RECESSED J-BOX - 120V DRIVER**

Q-MT-49BF, Q-MT-49SF

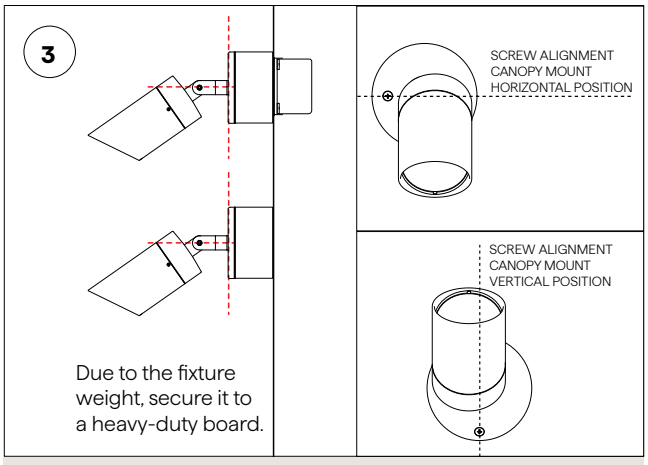



- Prepare the J-BOX by removing knockouts for wire entry.
- Install the recessed J-BOX behind the surface following the manufacturer's instructions.
- Bring the power supply wires through the J-BOX connectors.

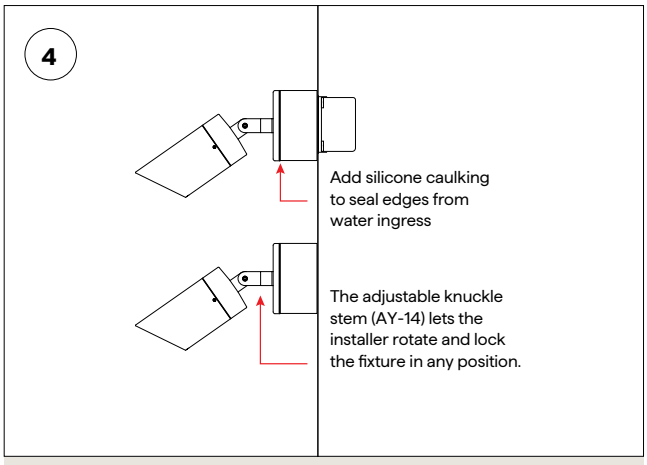



- Remove one canopy screw and rotate the canopy to access the wire compartment.
- Mount the VOYA 3.5" base (Q-MT-49) to the recessed J-BOX using the manufacturer's suggested hardware.
- Cut the wires to length as needed and splice the fixture and power supply / dimming wires together. (Reference the VOYA 3.5" COB luminaire instructions for the specific wiring diagram.)

***NOTE:*** *The canopy must completely cover the J-BOX and the excess hole cutout. Mounting screws are not provided. Secure the Q-MT-49 base using #10 mounting screws (by others).*




- Tuck the excess wires into the Q-MT-49 base, rotate the canopy back into position, and secure it with the provided screw.




- Add additional silicone caulking for extra protection against water ingress.
- Installation complete.



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# SURFACE/WALL

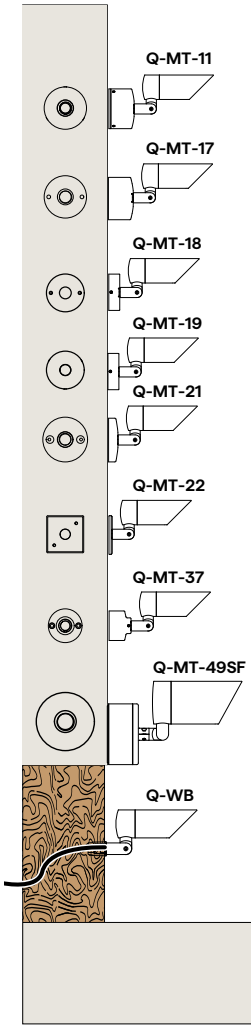
Landscape Lighting Installation Instructions

## ⚠ ATTENTION: Please read all instructions BEFORE installation

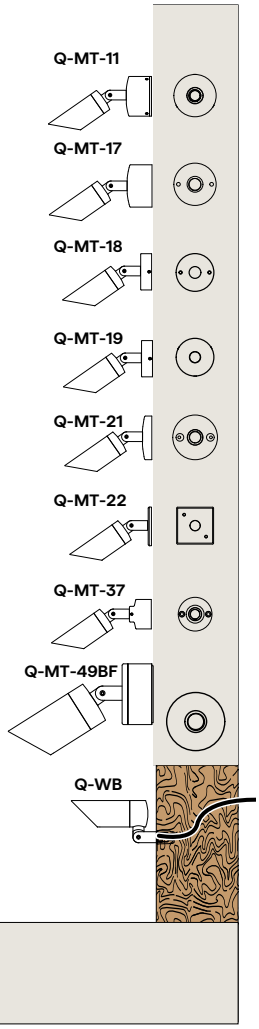
- Product must be installed by a licensed electrician. Field modifications void the warranty.
- Warranty is valid only with QTL power supplies.
- Diagrams are for representation only and are not to scale.
- Apply silicone around the edge of the canopy for additional water protection.
- Ensure the mounting surface is plumb and can support the fixture weight.
- Use the appropriate wire gauge for the run length.
- Use a liquid-tight connector for 120V wire entry.
- RISK OF FIRE OR INJURY / SAVE THESE INSTRUCTIONS
- Install per NEC and local codes.

## METHODS OF INSTALLATION

**SIDE MOUNT**




**END MOUNT**





- LUMINAIRE & MOUNT COMPATIBILITY (PAGE 2)
- COMPONENTS & HARDWARE (PAGE 3)
- SURFACE/WALL - NO DRIVER (PAGE 4-5)
- SURFACE/WALL - WITH DRIVER (PAGE 6)
- WOOD BEAM (PAGE 7)




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## LUMINAIRE & MOUNT COMPATIBILITY

| | Q-MT-11 | Q-MT-17 | Q-MT-18 | Q-MT-19 | Q-MT-21 | Q-MT-22 | Q-MT-37 | Q-MT-49BF No Driver | Q-MT-49BF With Driver | Q-MT-49SF No Driver | Q-MT-49SF With Driver | Q-WB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 DL-6 | ✓ | | | | ✓ | | | | | | | |
| Excelsior DL-7 | ✓ | | | | ✓ | | | | | | | |
| Excelsior DL-8 | ✓ | | | | ✓ | | | | | | | |
| Excelsior DL-10 | ✓ | | | | ✓ | | | | | | | |
| Excelsior DL-10L | ✓ | | | | ✓ | | | | | | | |
| Excelsior DL-11 | ✓ | | | | ✓ | | | | | | | |
| Excelsior DL-11L | ✓ | | | | ✓ | | | | | | | |
| Excelsior DL-12 | ✓ | | | | ✓ | | | | | | | |
| Excelsior DL-12L | ✓ | | | | ✓ | | | | | | | |
| Excelsior DL-13 | ✓ | | | | ✓ | | | | | | | |
| Excelsior DL-13L | ✓ | | | | ✓ | | | | | | | |
| Excelsior DL-14 | ✓ | | | | ✓ | | | | | | | |
| Excelsior DL-14L | ✓ | | | | ✓ | | | | | | | |

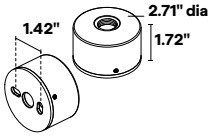


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# SURFACE/WALL

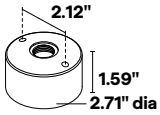
Landscape Lighting Installation Instructions

**Q-MT-11**

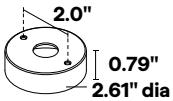



With Water Protection

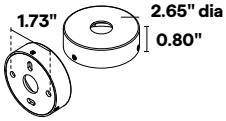
**Q-MT-17**




**Q-MT-18**

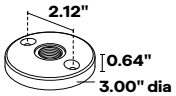



**Q-MT-19**

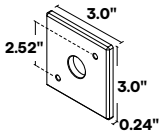



With Water Protection

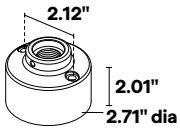
**Q-MT-21**



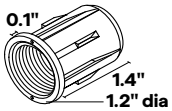

**Q-MT-22**




**Q-MT-37**

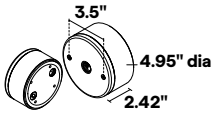



**Q-WB**



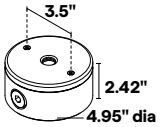

Wood Beam Mount

**Q-MT-49BF**




With Water Protection

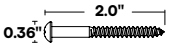
**Q-MT-49SF**




With Water Protection

## COMPONENTS & HARDWARE

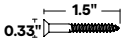
**PROVIDED HARDWARE**




| #PN | QTY |
|---|---|
| Q-MT-17 | 2 |
| Q-MT-18 | 2 |

#10-3/16x2"

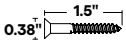
ROUND HEAD SCREW




| #PN | QTY |
|---|---|
| Q-MT-21 | 2 |

#8-3/16x1.5"

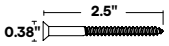
FLAT HEAD SCREW




| #PN | QTY |
|---|---|
| Q-MT-22 | 2 |

#10-3/16x1.5"

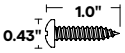
FLAT HEAD SCREW




| #PN | QTY |
|---|---|
| Q-MT-37 | 2 |

#10-3/16x2.5"

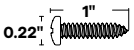
FLAT HEAD SCREW




| #PN | QTY |
|---|---|
| Q-MT-11 | 2 |

#12-SS Round Head 1.0"

PHILLIPS ROUND HEAD SCREW




| #PN | QTY |
|---|---|
| Q-MT-19 | 2 |

316 SS Round Head 1.0"

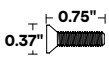
ROUND HEAD SCREW




| #PN | QTY |
|---|---|
| Q-MT-11 | 3 |
| Q-MT-19 | 3 |
| Q-MT-37 | 1 |

10-32x3/16"

SET SCREW




| #PN | QTY |
|---|---|
| Q-MT-49 | 2 |

10-32x3/4"

HEX FLAT HEAD SCREW



| #PN | QTY |
|---|---|
| Q-MT-18 | 1 |
| Q-MT-19 | 1 |
| Q-MT-22 | 1 |

1/2-14 NPS HEX NUT

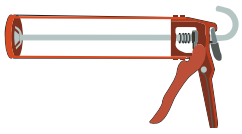
HEX NUT / JAM NUT

**SUGGESTED TOOLS/MATERIALS**



Waterproof Silicone

ALL PURPOSE SILICONE



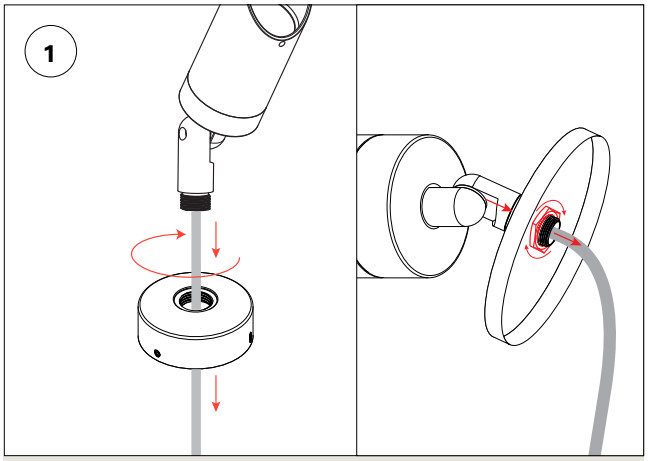
CAULKING GUN



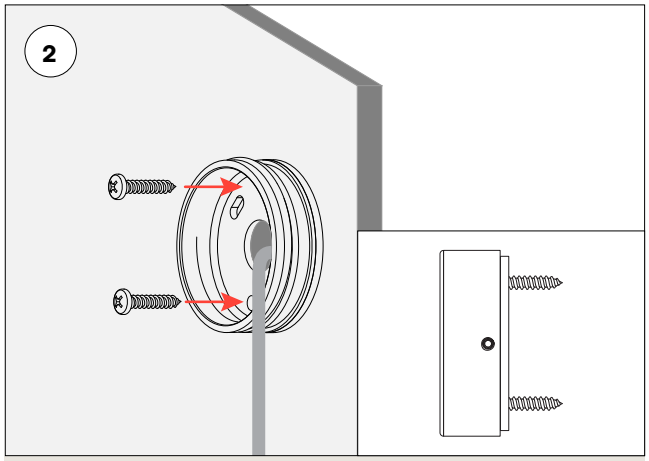
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## MOUNTING METHOD: **SURFACE/WALL - NO DRIVER**

Q-MT-11, Q-MT-17, Q-MT-18, Q-MT-19, Q-MT-21, Q-MT-22, Q-MT-37

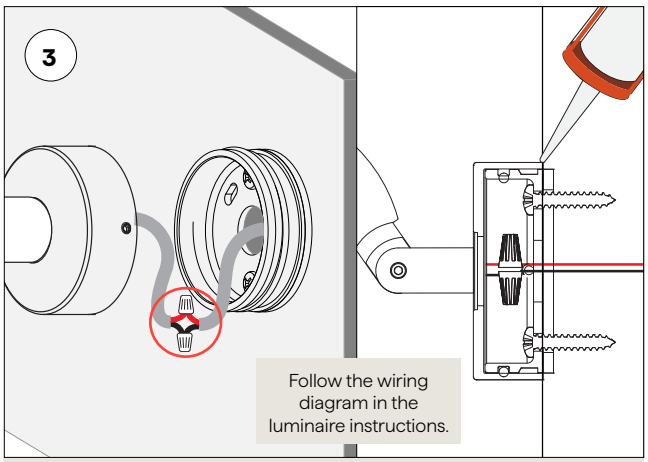



- Feed the fixture lead wire down through the canopy.
- Q-MT-11, Q-MT-17, Q-MT-21, Q-MT-37: Install the fixture onto the canopy and screw it on until seated.
- Q-MT-18, Q-MT-19, Q-MT-22: Install the fixture onto the canopy and secure it with the provided jam nut.



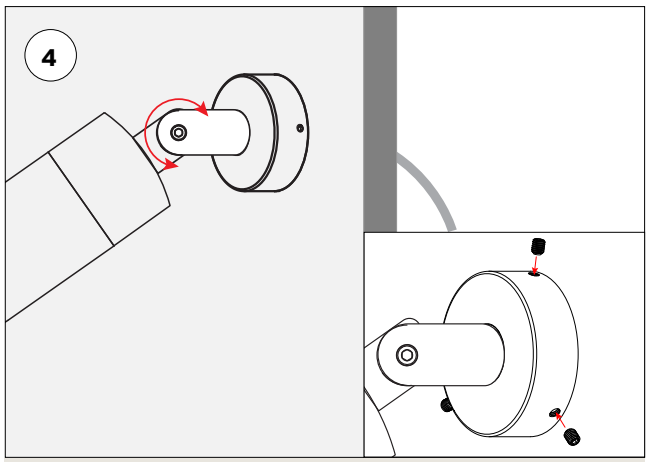

- Align the mounting screw holes in the vertical or horizontal position before mounting the base/canopy.
- Hold the base/canopy against the mounting surface and secure it with the two provided screws. Confirm the surface is level and can support the fixture weight.

***NOTE:*** *Not all mounting methods include both a base and a canopy.*




- Cut the wires to length as needed and splice the fixture and line voltage / power supply wires together. (Reference the luminaire instructions for the specific wiring diagram.)

***NOTE:*** *Silicone can be applied to the edge of the canopy before tightening the screws for additional water protection.*



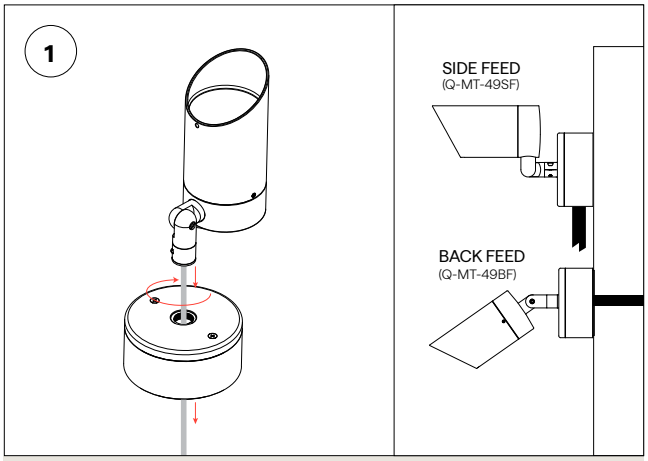

- Q-MT-37: The fixture can be rotationally adjusted slightly with the provided set screw on the canopy. Other canopies do not have this feature.
- Q-MT-11, Q-MT-19: Tighten the provided set screws to secure the fixture in place.
- Installation complete.



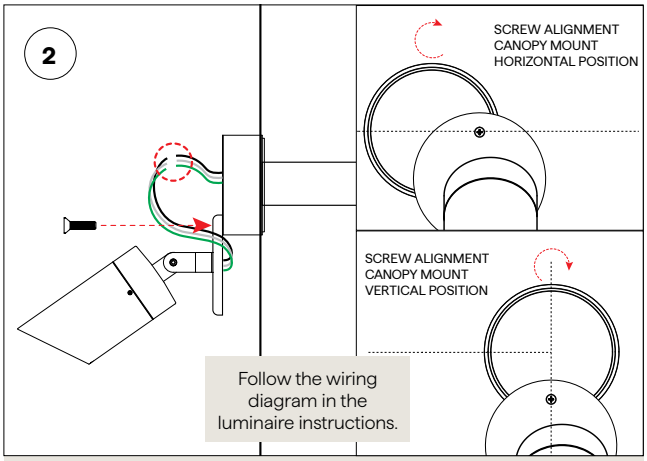
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## MOUNTING METHOD: **SURFACE/WALL - NO DRIVER**

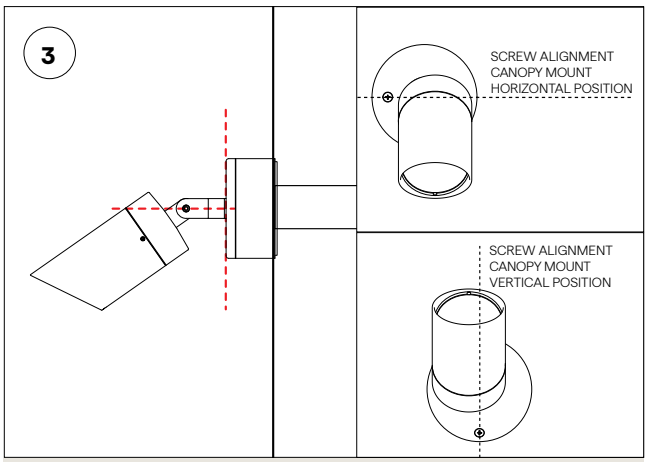
Q-MT-49BF, Q-MT-49SF



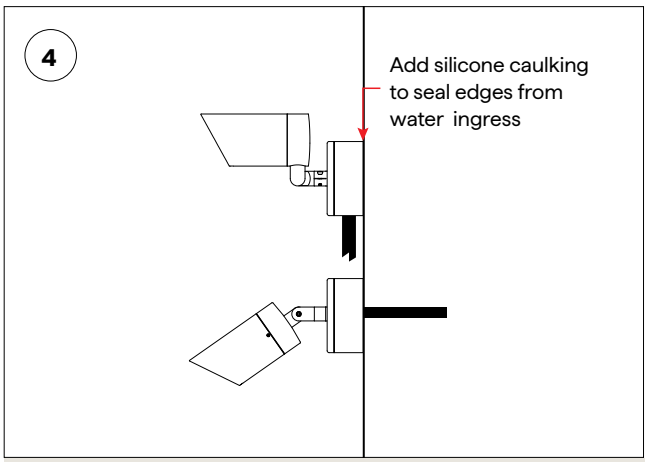

- Remove one canopy screw and rotate the canopy to access the wire compartment.
- Back feed (Q-MT-49BF): Feed the wire through the Q-MT-49 base knockout. Connect per NEC code.
- Side feed (Q-MT-49SF): Feed the wire through the Q-MT-49 base knockout. Connect per NEC code.
- Mount the Q-MT-49 base onto the surface using wood screws (by others). Confirm the surface is level and can support the fixture weight.




- Mount one side of the canopy with the provided screws.
- Cut the wires to length as needed and splice the fixture and line voltage wires together.




- Tuck the excess wires into the Q-MT-49 base, rotate the canopy back into position, and secure it with the provided screw.




- Add additional silicone caulking for extra protection against water ingress.
- Installation complete.



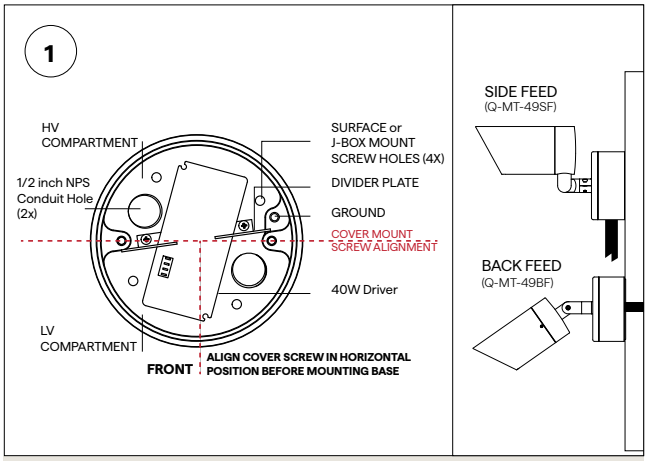
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# SURFACE/WALL

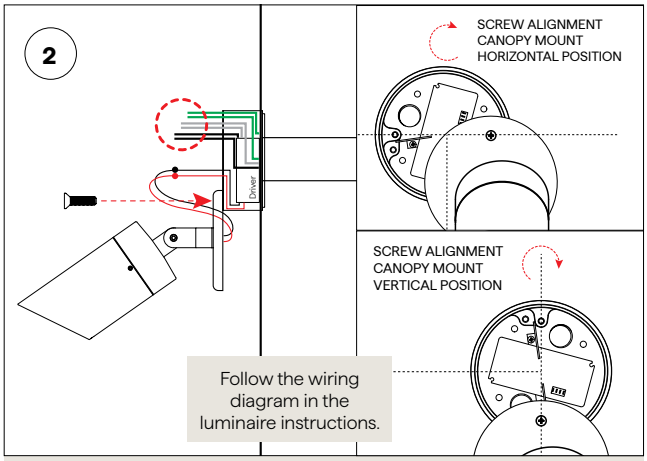
Landscape Lighting Installation Instructions

## MOUNTING METHOD: **SURFACE/WALL - 120V DRIVER**

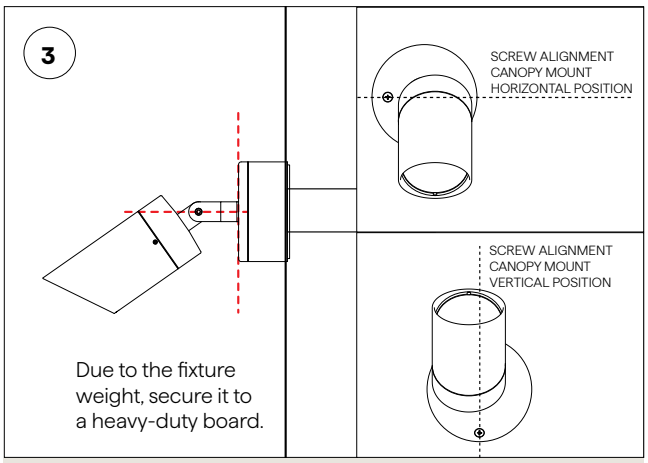
Q-MT-49BF, Q-MT-49SF



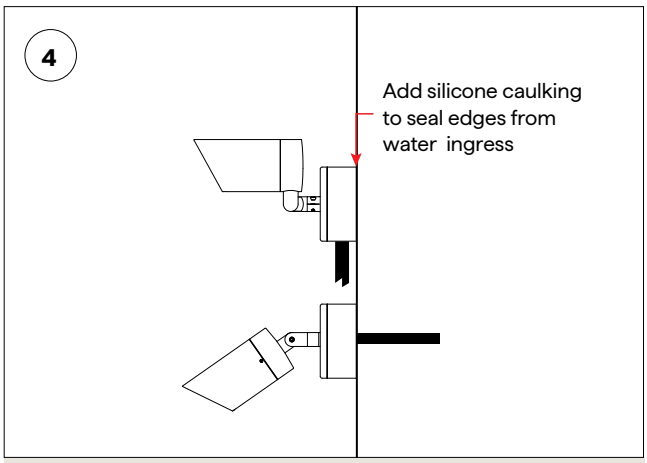

- Remove one canopy screw and rotate the canopy to access the wire compartment.
- Back feed (Q-MT-49BF): Feed the wire through the Q-MT-49 base knockout. Connect per NEC code.
- Side feed (Q-MT-49SF): Feed the wire through the Q-MT-49 base knockout. Connect per NEC code.
- Mount the Q-MT-49 base onto the surface using wood screws (by others). Confirm the surface is level and can support the fixture weight.




- Mount one side of the canopy with the provided screws.
- Cut the wires to length as needed and splice the fixture and power supply / dimming wires together. (Reference the VOYA 3.5" COB luminaire instructions for the specific wiring diagram.)




- Tuck the excess wires into the Q-MT-49 base, rotate the canopy back into position, and secure it with the provided screw.

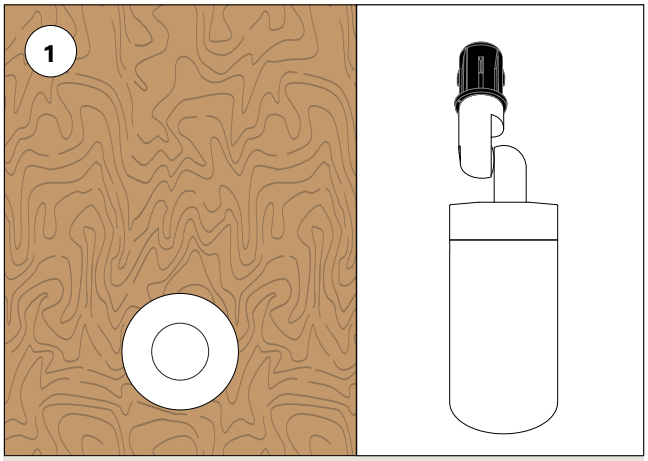



- Add additional silicone caulking for extra protection against water ingress.
- Installation complete.

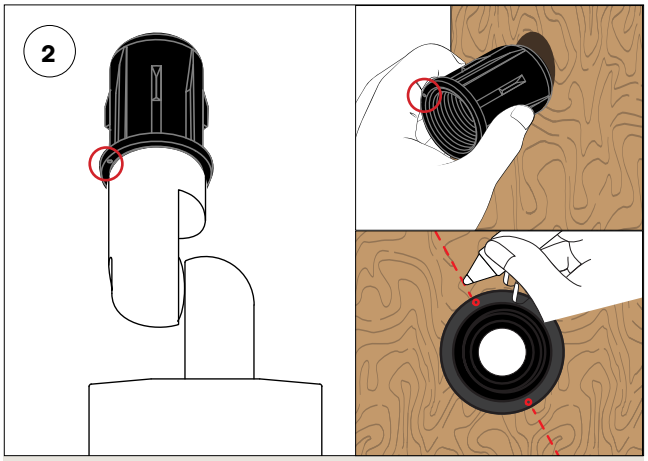


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MOUNTING METHOD: **WOOD BEAM - NO DRIVER**
Q-WB

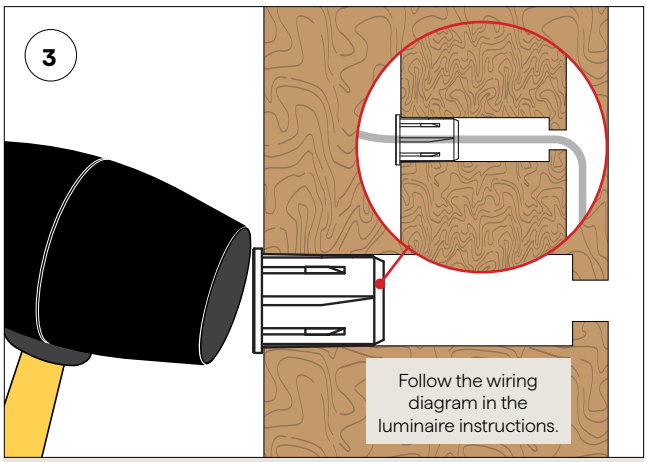



- Drill a 1" diameter hole, 3" deep. Then drill a wire access hole to route the fixture cable through the wood beam.
- Rotate the fixture into the Q-WB mount until fully seated.

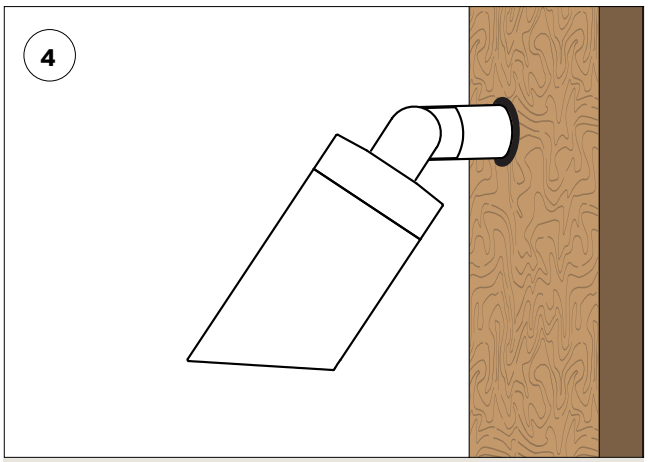



- Orient the fixture in the desired position, then use the indicator dots as reference markers to mark the final fixture position.
- Remove the fixture from the Q-WB mount then proceed to step 3.

***NOTE:*** *The Q-WB mount can only be inserted once and cannot be adjusted afterward.*




- Ensure the indicator dots are aligned with the reference marks.
- Tap the Q-WB mount into the wood with a mallet until it is flush, as shown.
- Cut the wires to length as needed and splice the fixture and power supply wires together. (Reference the luminaire instructions for the specific wiring diagram.)




- Rotate the fixture into the Q-WB mount until fully seated.
- Installation complete.

***NOTE:*** *The Q-WB mount can only be inserted once and cannot be adjusted afterward.*



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# TREE MOUNT

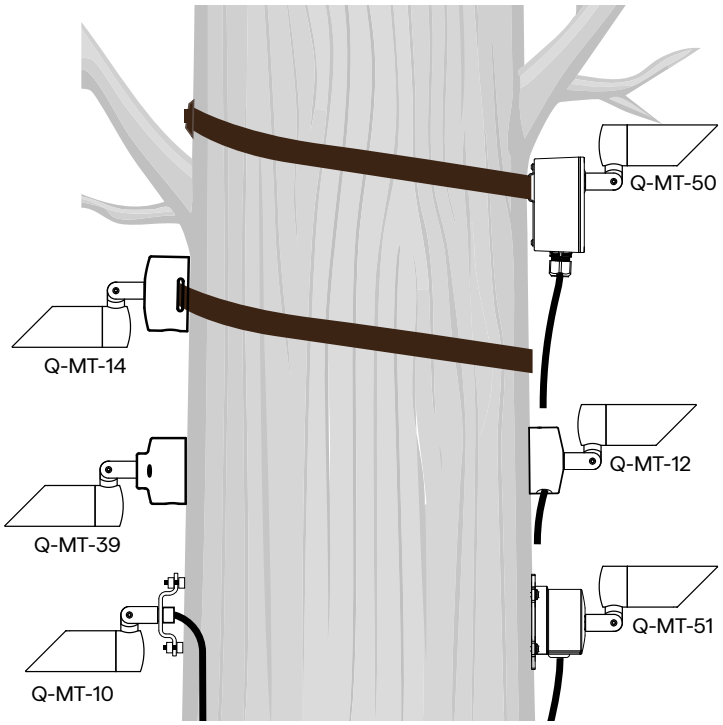
Landscape Lighting Installation Instructions

**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.
- Wrap the nylon ratchet strap around the tree. DO NOT OVERTIGHTEN — overtightening can damage the tree.
- Use the provided or recommended bolts to attach mounts to the tree.
- Use a liquid-tight connector for 120V wire entry.
- RISK OF FIRE OR INJURY / SAVE THESE INSTRUCTIONS
- Install per NEC and local codes.



## METHODS OF INSTALLATION





- COMPONENTS & HARDWARE (PAGE 2)
- TREE MOUNT - NO DRIVER (PAGE 3-4)
- TREE MOUNT - 120V DRIVER (PAGE 5)


## LUMINAIRE & MOUNT COMPATIBILITY

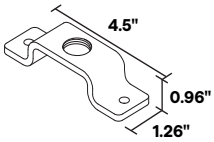
| | Q-MT-10 | Q-MT-12 | Q-MT-14 | Q-MT-39 | Q-MT-50 No Driver | Q-MT-50 With Driver | Q-MT-51 |
|---|---|---|---|---|---|---|---|
| VOYA-EM-1.75-MR11-12VAC | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ |
| VOYA-EM/SM-2.5 | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ |
| VOYA-EM/SM-3.0-PAR20/GU10 | | | | | ✓ | | ✓ |
| VOYA-EM/SM-3.5-COB-120VAC | | | | | | ✓ | |

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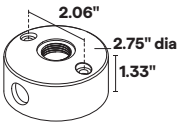
# TREE MOUNT

Landscape Lighting Installation Instructions

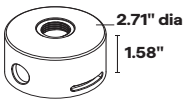
**Q-MT-10**




**Q-MT-12**

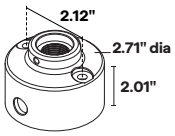



**Q-MT-14**

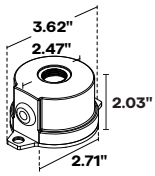



With Tree Strap

**Q-MT-39**

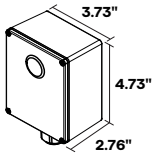



**Q-MT-51**




With Water Protection

**Q-MT-50**

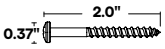



With Water Protection & Tree Strap

No Driver | With Driver

## COMPONENTS & HARDWARE

**PROVIDED HARDWARE**




| #PN | QTY |
|---|---|
| Q-MT-12 | 2 |

#10-3/16x2"

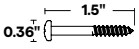
PHILLIPS ROUND HEAD SCREW




| #PN | QTY |
|---|---|
| Q-MT-50 | 4 |
| Q-MT-51 | 3 |

6-32x0.5"

FLAT HEAD SCREW




| #PN | QTY |
|---|---|
| Q-MT-51 | 2 |

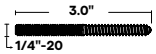
#10-3/16x1.5"

PHILLIPS ROUND HEAD SCREW



1/4-20 NUT

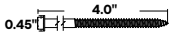
| #PN | QTY |
|---|---|
| Q-MT-10 | 4 |




1/4-20x3"

| #PN | QTY |
|---|---|
| Q-MT-10 | 2 |

HANGER BOLT




| #PN | QTY |
|---|---|
| Q-MT-39 | 2 |

1/4"-20X3"

HEX BOLT SCREW



| #PN | QTY |
|---|---|
| Q-MT-10 | 1 |
| Q-MT-50 | 1 |

1/2-14 NPS HEX NUT

HEX NUT / JAM NUT

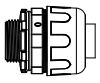


| #PN | QTY |
|---|---|
| Q-MT-14 | 1 |
| Q-MT-50 | 1 |

Nylon Strap Ratchet

TREE MOUNT STRAP

**RECOMMENDED HARDWARE**



| #PN | QTY |
|---|---|
| Q-MT-50 | 1 |

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

CONDUIT CONNECTOR



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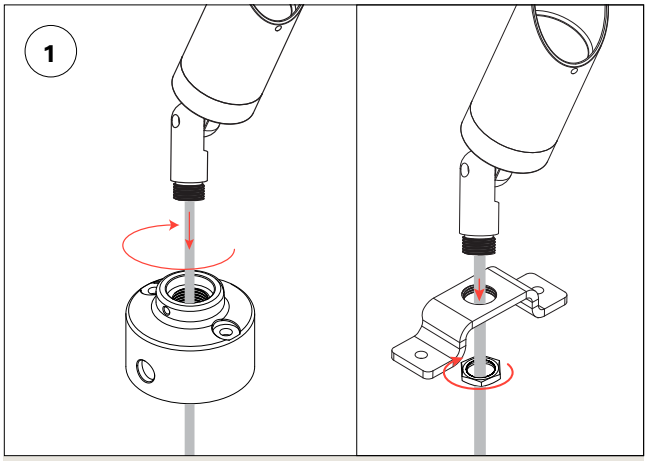
# TREE MOUNT

Landscape Lighting Installation Instructions

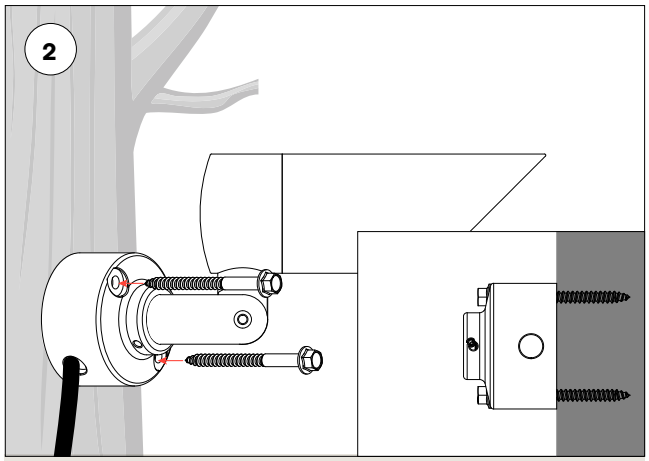


## MOUNTING METHOD: **TREE MOUNT - NO DRIVER**

Q-MT-10, Q-MT-12, Q-MT-14, Q-MT-39, Q-MT-51

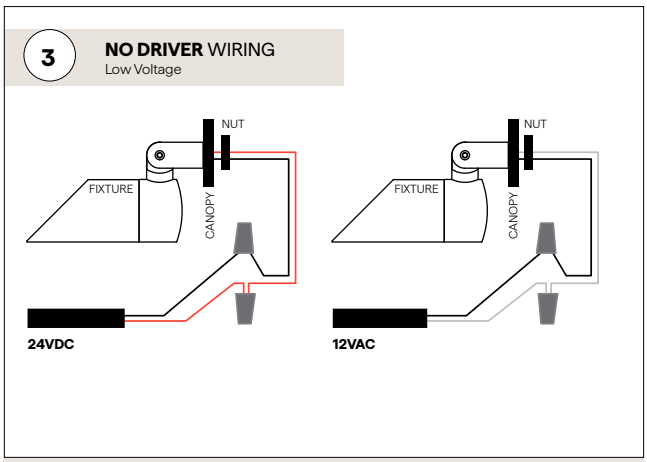



- Feed the fixture lead wire down through the canopy.
- Q-MT-12, Q-MT-14, Q-MT-39, Q-MT-51: Install the fixture onto the canopy and screw it on until seated.
- Q-MT-10: Install the fixture onto the canopy and secure it with the provided jam nut.

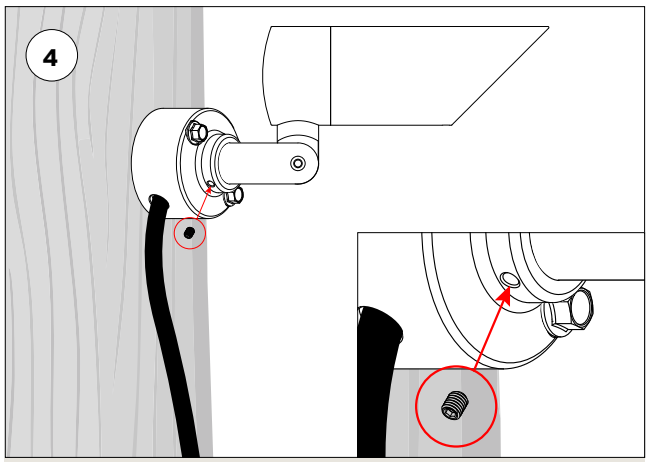



- Align the mounting screw holes in the vertical or horizontal position before mounting the base/canopy.
- Hold the base/canopy against the mounting surface and secure it with the two provided screws.

***NOTE:*** *Not all mounting methods include both a base and a canopy.*




- If the mount has a wire hole, run the power supply wire through the hole before splicing. (Reference the luminaire instructions for wiring details).
- Cut the fixture wire to length as needed and splice the fixture and power supply wires together with liquid-tight wire nuts (by others).



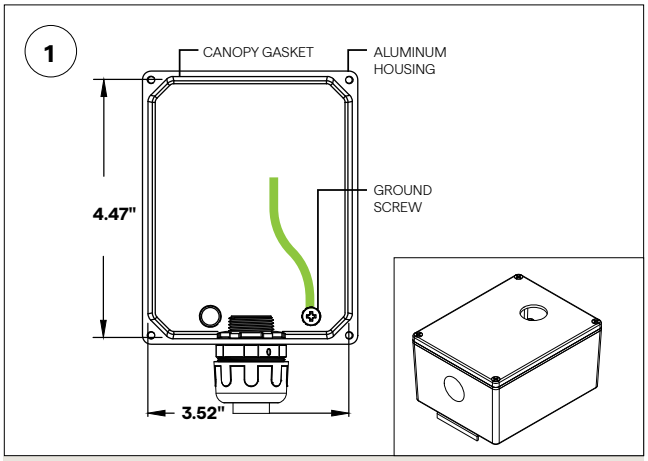

- Q-MT-39: After installation, the fixture can be rotationally adjusted slightly with the provided set screw on the canopy. Other canopies do not have this feature.
- Installation complete.

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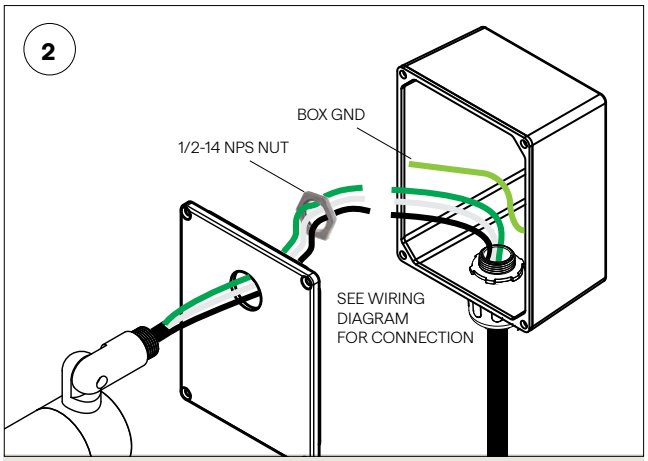
# TREE MOUNT

Landscape Lighting Installation Instructions

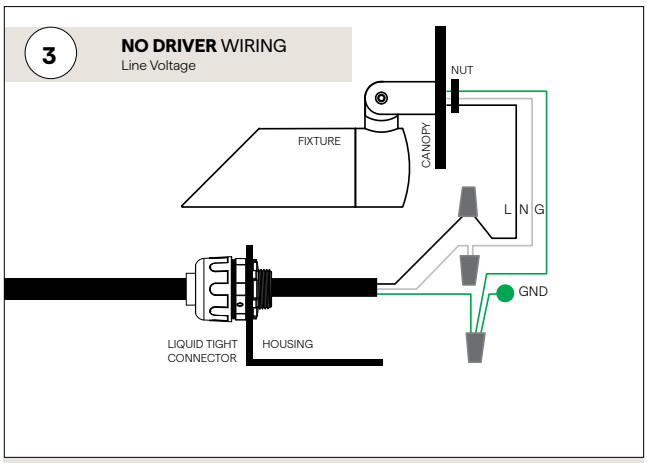
MOUNTING METHOD: **TREE MOUNT - NO DRIVER**
Q-MT-50



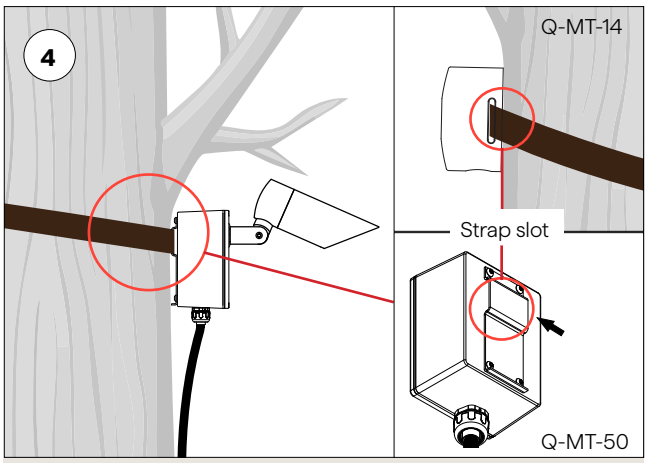

- Remove the four (4) canopy screws and lift off the canopy gasket. Route the power supply cable into the housing through recommended liquid-tight connector.




- Mount the fixture onto the canopy with the 1/2-14 jam nut.
- Splice the wires together with wire nuts (by others). See the luminaire instructions for wiring details.
- Reinstall the canopy.




- Cut the fixture wire to length as needed and splice the fixture and power supply wires together with liquid-tight wire nuts (by others).




- Weave the tree strap through the slot on the back of the housing, wrap it around the tree, and tighten it with the ratchet until secure. **DO NOT OVERTIGHTEN** — overtightening can damage the tree.
- Installation complete.

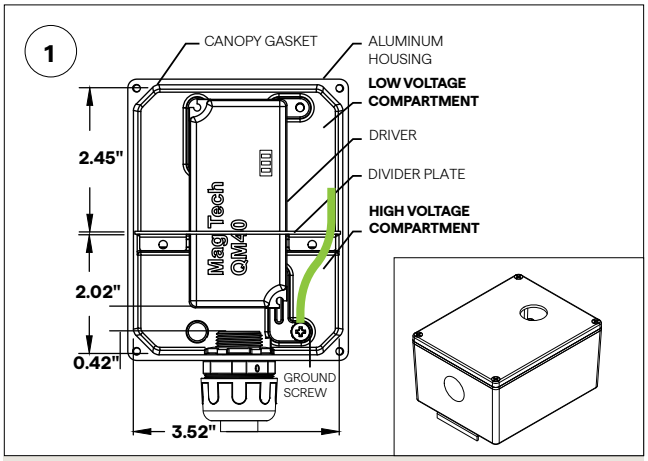


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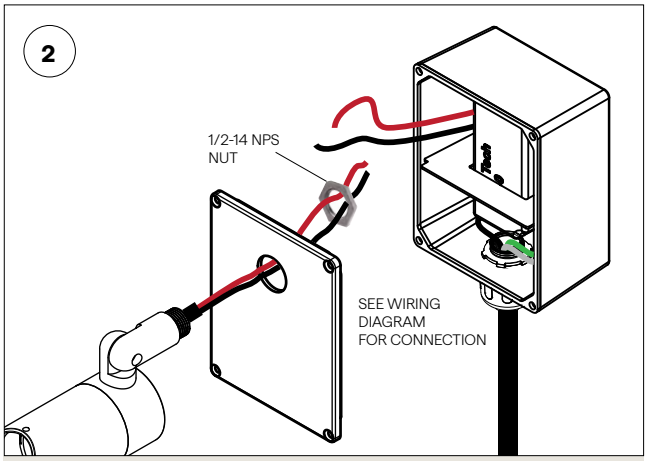
# TREE MOUNT

Landscape Lighting Installation Instructions

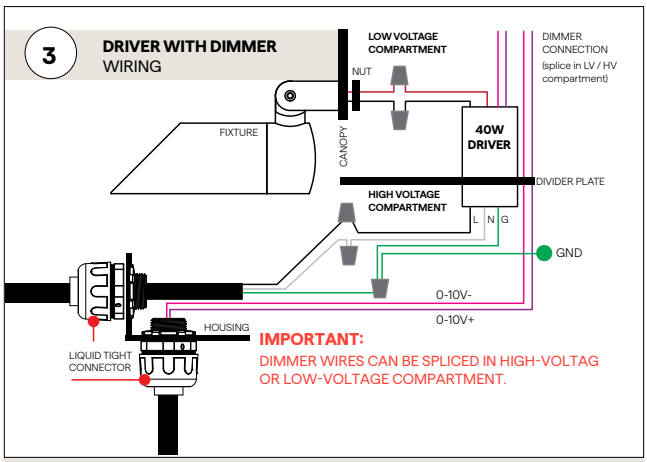
MOUNTING METHOD: **TREE MOUNT - 120V DRIVER**
Q-MT-50



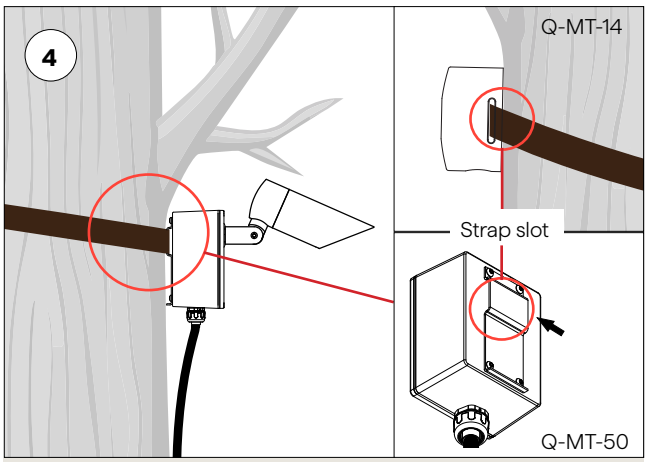

- Remove the four (4) canopy screws and lift off the canopy and gasket. The divider plate separates the HIGH-VOLTAGE (HV) and LOW-VOLTAGE (LV) compartments; the lower part of the 40W driver has the line-voltage wires. Bring the 120V cable into the HV compartment through the liquid-tight connector and splice the wires.
- See the luminaire wiring diagram for additional details.




- Install the fixture on the canopy with the jam nut, rotating the fixture to the desired angle and tightening the nut.
- Use liquid-tight wire nuts to splice the fixture wires and driver wires together, following the wiring diagram in the luminaire instructions.
- Place the canopy over the box and tighten the screws.




- Cut the fixture wire to length as needed and splice the fixture and power supply wires together with liquid-tight wire nuts (by others).




- Weave the tree strap through the slot on the back of the housing, wrap it around the tree, and tighten it with the ratchet until secure. **DO NOT OVERTIGHTEN** — overtightening can damage the tree.
- Installation complete.



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