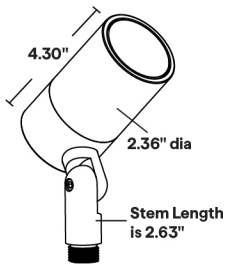
VOYA SIDE MOUNT 2.5" COB WARM DIM

24VDC COB Flood/Accent LED





- Specification-grade, flood/accent lighting with best-in-class lumen output, color quality, dimming performance, and optical control
- Available in ultra-durable powder-coated 6061 aluminum, polished brass, or polished 316L stainless steel
- Flexible tree, surface, wall and ground mounting options support diverse installations
- Warm dim technology shifts from 3000K to a candlelit 1800K
- Wet listed for exterior applications

1 PRODUCT	2 KNUCKLE	3 CRI	4 CCT	5 SNOOT	6 COB	7 BEAM ANGLE	8 MATERIAL	9 FINISH	10 WATTAGE	11 OUTPUT SETTING	12 WEEP HOLE	13 ACCESSORY 1	14 ACCESSORY 2	15 ACCESSORY 3
VOYA-SM-2.5-COB-24VDC-WD	ST	95	18/30		COB				07	N/A				

Sample Part Number: **VOYA-SM-2.5-COB-24VDC-WD-ST-95-18/30-FL-COB-55-SS-P-07-N/A-N/A-WW-LV-N/A**

1 PRODUCT

VOYA-SM-2.5-COB-24VDC-WD

2 KNUCKLE

ST Standard

3 CRI

95

4 CCT

18/30 1800K/3000K

5 SNOOT

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

6 COB

COB All Other

7 BEAM ANGLE

20 20 Degree
26 26 Degree
40 40 Degree
55 55 Degree

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 WATTAGE

07 7.2 Watts

Refer to delivered lumen output on following pages

11 OUTPUT SETTING

N/A Not available for these wattages

12 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

13 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. Accessories not compatible with GZR options.

14 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. Accessories not compatible with GZR options.

15 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. Accessories not compatible with GZR options.

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" COB WARM DIM

24VDC COB Flood/Accent LED

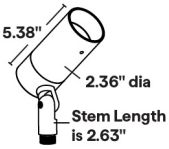
1 PRODUCT - DIMENSIONS



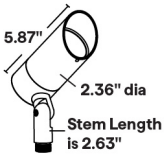
Flush Snoot (FL)



0.5" Regress Snoot (HR)



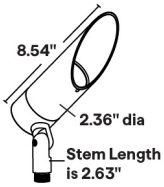
1" Regress Snoot (1R)



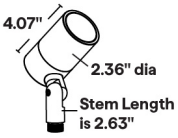
30 Degree Snoot (30D)



45 Degree Snoot (45D)



60 Degree Snoot (60D)



Grazer Snoot (GZR)
*Only to be used with GZR optics

6 DELIVERED LUMENS

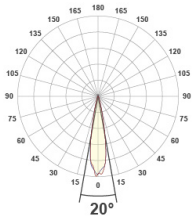
Tested with VOYA-2.5-COB-24VDC-WD-ST-95-30-FL at 7W

COB - BEAM ANGLE	CCT	LUMENS	LM/W	PEAK INTENSITY (CD)	CRI Ra	CRI R9	TM30 Rf	TM30 Rg
COB - 20°	3208	507	70	3649	98	98	94	100
COB - 26°	3166	581	80	2961	98	99	95	100
COB - 40°	3223	602	83	1297	98	98	94	100
COB - 55°	3226	547	76	711	98	99	94	100

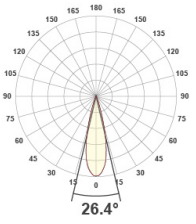
PHOTOMETRIC PERFORMANCE

Nominal beam spread shown, beam spread varies based on light engine. For more detailed information, see photometric data.

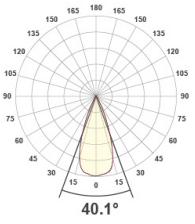
20°



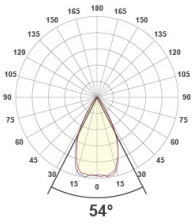
26°



40°



55°



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VOYA SIDE MOUNT 2.5" COB WARM DIM

24VDC COB Flood/Accent LED

9 FINISH

ALUMINUM POWDER COAT FINISHES

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



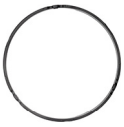
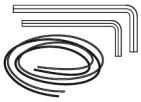
BRASS AND STAINLESS STEEL POLISHED FINISHES

Brass and Stainless Steel have longer lead times: consult factory



13/14/15 ACCESSORIES

Holds up to three accessories. Retaining Ring included with each accessory. Accessories not compatible GZR option.

SP	LS	WW	LV		
					
Spread Lens	Linear Spread Lens	Wall Wash Lens	Honeycomb Louver	Retaining Ring	SNOOT INSTALL KIT
To order separately use ACC-2.5-SP	To order separately use ACC-2.5-LS	To order separately use ACC-2.5-WW	To order separately use ACC-2.5-LV	To order separately use ACC-2.5-RR	To order separately use VOYA-SNOOT-INSTALL-KIT

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

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

VOYA SIDE MOUNT 2.5" COB WARM DIM

24VDC COB Flood/Accent LED

COMPATIBLE POWER SUPPLIES

Specify 0-10V or DALI for smoothest dimming performance. For phase dimming, ELV is recommended. See power supplies cut sheets for more information. Data subject to change, all data has +/- 5% tolerance.

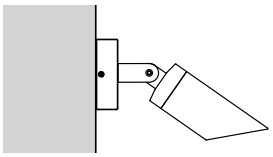
DIMMING PROTOCOL	INDOOR	OUTDOOR
	VOYA 24VDC	VOYA 24VDC
Phase	QT-CAB-QZ-PH/0-10V QZ-BOWTIE+DIMMER QZ-PRO-PH/0-10V QZ-STICK-PH/0-10V	Q-SET-QZ-PH/0-10V QZ-PRO-PH/0-10V
0-10V	QT-CAB-QZ-PH/0-10V QZ-PRO-PH/0-10V QZ-STICK-PH/0-10V	Q-SET-QZ-PH/0-10V QZ-PRO-PH/0-10V
Lutron Athena	QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+DALI-DT6-AWN	
DMX	QT-CAB-eLED+DMX	QOM-eLED+DMX QOM-eLED+DMX-PS
DALI-2: DT6	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN	QOM-eLED+DALI-DT6 QOM-eLED+DALI-DT6-PS

VOYA EM/SM 2.5" MOUNT COMPATIBILITY

Landscape Lighting

SURFACE/WALL

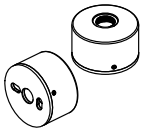
See Surface/Wall installation for dimensions and included hardware. Refer to the mount cut sheets for complete order codes regarding mount's options.





Q-WB

Wood Beam Mount



Q-MT-11*

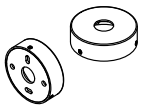
With Water Protection



Q-MT-17*



Q-MT-18

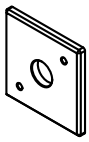


Q-MT-19

With Water Protection



Q-MT-21



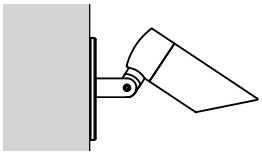
Q-MT-22

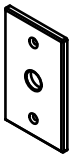


Q-MT-37*

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.



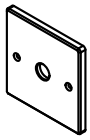


Q-MT-24

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

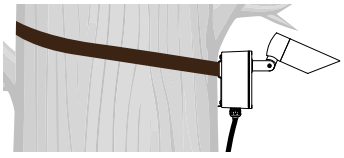


Q-MT-42*

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*

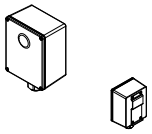


Q-MT-14*

With Tree Strap

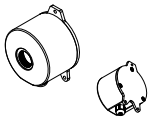


Q-MT-39*



Q-MT-50 (No Driver)

With Water Protection and Tree Strap

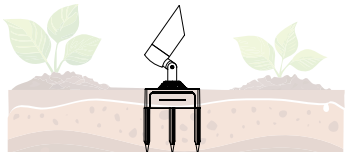


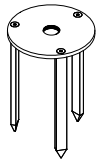
Q-MT-51*

With Water Protection

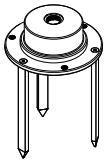
DIRECT BURIAL

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*

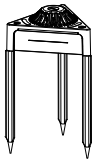


Q-MT-7*

With Water Protection

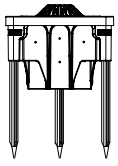


Q-MT-45*



Q-TRIX-R20* (No Driver)

With Water Protection

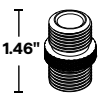


Q-TRIX-R50* (With Driver)

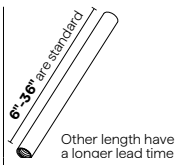
With Water Protection

MOUNT ACCESSORIES

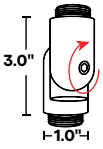
See Accessories installation for dimensions and included hardware.



NPS ADAPTER

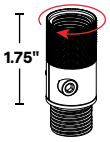


AY-3 Riser Pole



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 EM/SM 2.5" 24VDC COB WARM DIM

Power Supply Sizing & Wiring

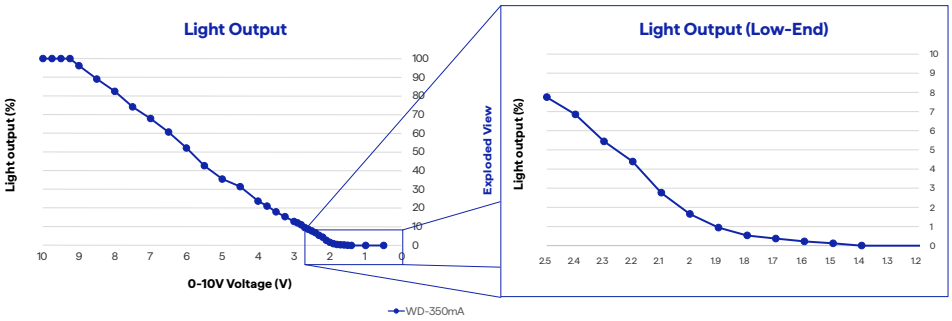
DISTRUBUTED & BRANCH CIRCUITS

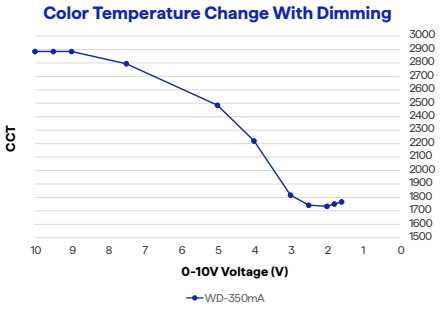
VOYA 2.5" COB Warm Dim can be wired as either a distributed load - multiple fixtures tapped along a run, in branches, or in loop/ring circuits – or as a single load at the end of a run. When wiring as a distributed load, refer to VOYA-2.5-24VDC Low Voltage Wiring Guide to size wires within recommended voltage drop limits when these wiring configurations are used. When wiring as a single load at the end of a run, refer to QTL Voltage Drop Calculator.

Input voltage at the fixture should be 22.8V–24V DC for both dimmed and non-dimmed applications.

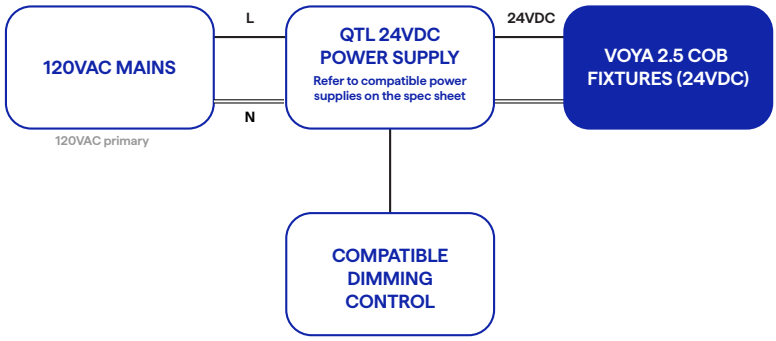
DIMMING

VOYA 2.5" COB Warm Dim shifts correlated color temperature (CCT) as it dims, warming toward lower CCT at low output. The graphs below show the CCT range and the light output across the dimming range. VOYA 2.5 24VDC COB fixtures dim down to 0.1%. Specify 0-10V or DALI for smoothest dimming performance. For phase dimming, ELV is recommended





Compatible Dimming Control: Use a compatible QTL power supply. Dimming control feeds into the remote compatible power supply only. Only 2-wire 24V DC power feeds into fixture.



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