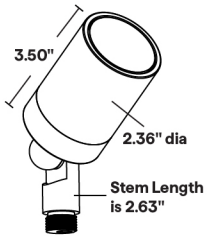
VOYA EM/SM 2.5 TEST Product

24VDC COB Flood/Accent LED





- Seven Snoot Styles: Flush, .5" Regress, 1" Regress, 30° Snoot, 45° Snoot, 60° Snoot, Grazer
- 6061 Aluminum components are anodized, then a polyester powder coat finish is applied. Also available in brass or stainless steel 316L.
- Stainless Steel Hardware
- 36" of 18ga. wire leads
- Interchangeable optics (additional options ordered separately)
- Clear tempered glass lens installed in factory
- Wet Listed
- Specification-grade landscape lighting, wet location luminaire for up lighting or down lighting applications. Can be utilized for ground mounted or surface mounted installations

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-EM-2.5-COB-24VDC-SW														

Sample Part Number: **VOYA-EM-2.5-COB-24VDC-SW-ST-95-30-GZR-COB-GZR-BR-NT-07-N/A-SP-LV-N/A**

1 PRODUCT

VOYA-EM-2.5-COB-24VDC-SW

Product Notes Note

2 KNUCKLE

ST Standard
RA Rotational 360° Knuckle

KNUCKLE BLOCK NOTE

3 CRI

95
90
N/A

CRI BLOCK NOTE

4 CCT

22	2200K
24	2400K
27	2700K
30	3000K
35	3500K
40	4000K
18/30	1800K/3000K
A	Amber (>605nm peak)

5 SNOOT

FL	Flush
HR	.5" Regress
1R	1" Regress
30D	30 Degree
45D	45 Degree
60D	60 Degree

SNOOT BLOCK 1 NOTE

GZR Grazer

SNOOT BLCOK 2 NOTE

6 COB

COBSP Spot

COB BLOCK 1 NOTE

COB All Other

COB BLOCK 2 NOTE

COB All Other

COB BLOCK 3 NOTE

7 BEAM ANGLE

12 12 Degree

BEAM ANGLE BLOCK 1 NOTE

16	16 Degree
23	23 Degree
37	37 Degree
51	51 Degree

BEAM ANLGE BLOCK 2 NOTE

GZR Grazer

BEAM ANGLE BLOCK 3 NOTE

8 MATERIAL

A 6061 Aluminum Anodized and Powder Coated

ALUMINUM BLOCK NOTE

B Brass H59

BRASS BLOCK NOTE

SS Stainless Steel 316L

STAINLESS TEEL BLOCK NOTE

9 FINISH

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

POWDER COAT BLOCK NOTE

P Polished

POLISHED BLOCK NOTE

10 WATTAGE

12	12.1 Watts
06	6.4 Watts

WATTAGE BLOCK 1 NOTE

12	12.5 Watts
11	11.0 Watts
07	6.8 Watts
06	5.7 Watts

WATTAGE BLOCK 2 NOTE

09	9.5 Watts
08	8.3 Watts
07	7.1 Watts
05	4.9 Watts
04	4.0 Watts
03	3.1 Watts

WATTAGE BLOCK 3 NOTE

11 OUTPUT SETTING

600MA	100% Output
350MA	58% Output
225MA	38% Output
150MA	25% Output
100MA	17% Output
70MA	12% Output
40MA	7% Output
10MA	2% Output

OUTPUT BLOCK 1 NOTE

500MA	100% Output
375MA	75% Output
300MA	60% Output
250MA	50% Output
220MA	44% Output
190MA	38% Output
170MA	34% Output
150MA	30% Output

OUTPUT BLOCK 3 NOTE

N/A Not available for these wattages

12 WEEP HOLE

WPH Weep Hole

13 ACCESSORY 1

SP Spread Lens

14 ACCESSORY 2

SP Spread Lens

15 ACCESSORY 3

SP Spread Lens

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VOYA EM/SM 2.5 TEST Product

24VDC COB Flood/Accent LED

N/A	No Weep Hole

Weep Hole is required for any Up Light application to prevent water build up in the snoot.

FL and GZR snoots do not have weep holes. If FL or GZR is chosen, select N/A

LS	Linear Spread Lens
WW	Wall Wash Lens
LV	Honeycomb Louver
N/A	No Accessory

ACCESSORY BLOCK NOTE

LS	Linear Spread Lens
WW	Wall Wash Lens
LV	Honeycomb Louver
N/A	No Accessory

ACCESSORY BLOCK NOTE

LS	Linear Spread Lens
WW	Wall Wash Lens
LV	Honeycomb Louver
N/A	No Accessory

ACCESSORY BLOCK NOTE

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SUBJECT TO CHANGE

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

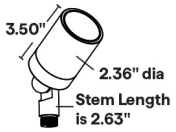
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Specification subject to change. Rev-07-20-26

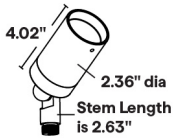
VOYA EM/SM 2.5 TEST Product

24VDC COB Flood/Accent LED

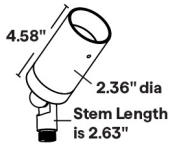
1 PRODUCT - DIMENSIONS



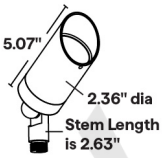
Flush Snoot (FL)



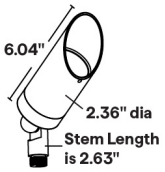
.5" Regress Snoot (HR)



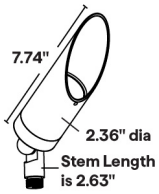
1" Regress Snoot (1R)



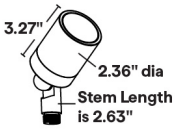
30 Degree Snoot (30D)



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-SW-**-95-30 at 11Ws

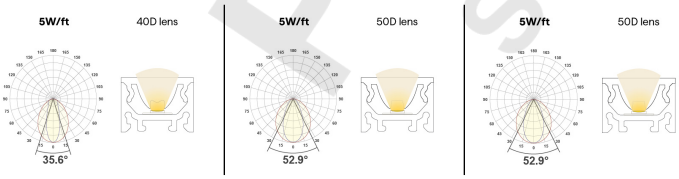
	CCT	LUMENS	LM/W	CRI	PEAK INTENSITY (CD)	CRI Ra	CRI R9	TM30 Rf	TM30 Rg
COB SPOT - 12°	2994	841	73	95	12682	98	92	97	101
COB - 16°	2979	886	78	95	7861	98	93	96	102
COB - 23°	2977	924	81	95	4904	98	93	96	102
COB - 37°	2977	925	81	95	2196	98	93	96	102
COB - 51°	2985	919	81	95	1407	98	93	96	102
COB - Grazer	2998	785	69	95	2976	98	93	96	102

Tested with VOYA-2.5-COB-24VDC-SW-**-90-30 at 11Ws

	CCT	LUMENS	LM/W	CRI	PEAK INTENSITY (CD)	CRI Ra	CRI R9	TM30 Rf	TM30 Rg
COB SPOT - 12°	3079	1057	92	90	16062	92	50	90	99
COB - 16°	3088	1035	90	90	8653	92	51	90	99
COB - 23°	3083	1069	93	90	5464	92	51	90	100
COB - 37°	3078	1074	94	90	2510	92	51	90	99
COB - 51°	3077	1062	92	90	1618	92	51	90	99
COB - Grazer	3085	926	81	90	3437	92	50	90	99

PHOTOMETRIC PERFORMANCE

PHOTOMETRIC PERFORMANCE NOTE



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VOYA EM/SM 2.5 TEST Product

24VDC COB Flood/Accent LED

9 FINISH

ALUMINUM POWDER COAT FINISHES

POWDER COAT IMAGES NOTE



BRASS AND STAINLESS STEEL POLISHED FINISHES

BRASS AND STIANLESS STEEL FINISH NOTE



11 DIP SWITCH SETTINGS

test note here

VOYA-2.5-12VAC-COB-A

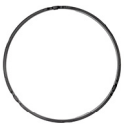
Output								
Rated Current(A)	150	170	190	220	250	300	375	500
DIP Code	⊤⊤⊤	⊤⊤⊥	⊤⊥⊤	⊤⊥⊥	⊥⊤⊤	⊥⊤⊥	⊥⊥⊤	⊥⊥⊥
Rated Power(W)	2.9	3.1	3.3	3.6	4.1	4.7	5.4	6.8

⊥ On, ⊤ Off

13 / 14 / 15 ACCESSORIES

ACCESSORIES LENS IMAGES NOTES

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

WI



Wire Holder

To order separately use ACC-2.5-RR

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

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



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

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



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

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



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

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



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

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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VOYA EM/SM 2.5 TEST Product

24VDC COB Flood/Accent LED

COMPATIBLE POWER SUPPLIES

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
Non-Dim	QT-CAB-eLED-ND QTM-eLED-ND QZ-ND	Q-SET-QZ-ND Q-SET-eLED-ND QOM-eLED-ND QZ-ND
Phase	QT-CAB-QZ-PH/0-10V QTM-DC+CAP QTM-eLED(E) QZ-BOWTIE+DIMMER QZ-STICK-PH/0-10V QZLP iQ-PH+QD1	Q-HEX-mini-DC Q-SET-QZ-PH/0-10V Q-SET-mLED QOM-PH
0-10V	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QZ-STICK-PH/0-10V QZLP	Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V
Lutron Athena	QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6-AWN	
ECO System	QTM-eLED(E)	
DMX	QZ-DMX	Q-SET-QZ-DMX QZ-DMX
DALI-2: DT6	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-DALI-DT6	Q-SET+QZ-DALI-DT6 QOM-eLED+DALI-DT6 QZ-DALI-DT6

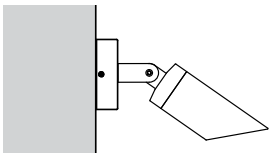
PRELIMINARY
SUBJECT TO CHANGE

VOYA EM/SM 2.5" MOUNT COMPATIBILITY

Landscape Lighting

SURFACE/WALL

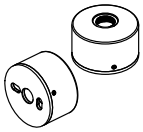
See Surface/Wall installation for dimensions and included hardware. Refer to the mount cut sheets for complete order codes regarding mount's options.





Q-WB

Wood Beam Mount



Q-MT-11*

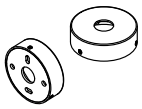
With Water Protection



Q-MT-17*



Q-MT-18

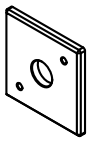


Q-MT-19

With Water Protection



Q-MT-21



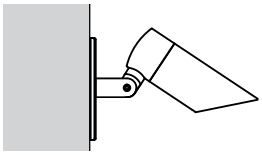
Q-MT-22

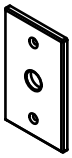


Q-MT-37*

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.





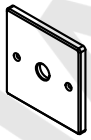
Q-MT-24

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



Q-MT-25

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



Q-MT-26



Q-MT-27

Compatible with 3/0 RECESSED J-BOX by others

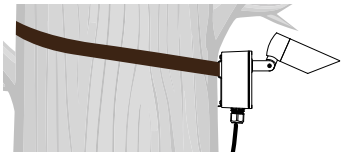


Q-MT-42*

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*

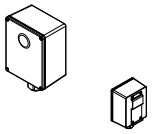


Q-MT-14*

With Tree Strap

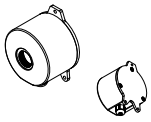


Q-MT-39*



Q-MT-50 (No Driver)

With Water Protection and Tree Strap

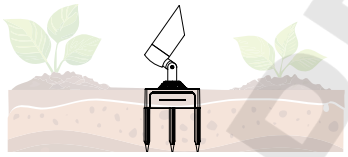


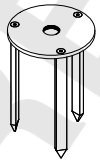
Q-MT-51*

With Water Protection

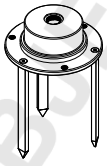
DIRECT BURIAL

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*

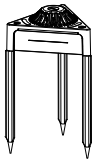


Q-MT-7*

With Water Protection

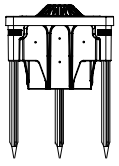


Q-MT-45*



Q-TRIX-R20* (No Driver)

With Water Protection

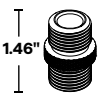


Q-TRIX-R50* (With Driver)

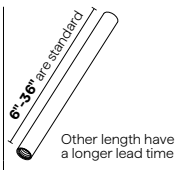
With Water Protection

MOUNT ACCESSORIES

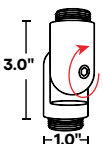
See Accessories installation for dimensions and included hardware.



1/2 NPS

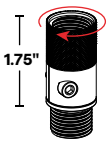


AY-3 Riser Pole



AY-7

No Water Protection



(RA) ROTATIONAL ADAPTER

With Water Protection

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

PRELIMINARY SUBJECT TO CHANGE

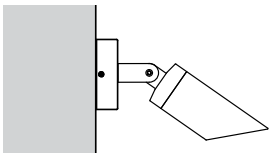
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VOYA EM/SM 2.5" MOUNT COMPATIBILITY

Landscape Lighting

SURFACE/WALL

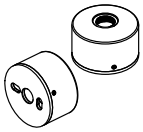
See Surface/Wall installation for dimensions and included hardware. Refer to the mount cut sheets for complete order codes regarding mount's options.





Q-WB

Wood Beam Mount



Q-MT-11*

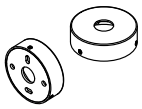
With Water Protection



Q-MT-17*



Q-MT-18

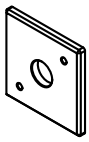


Q-MT-19

With Water Protection



Q-MT-21



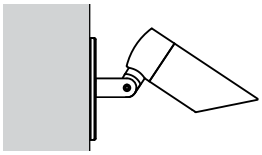
Q-MT-22

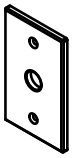


Q-MT-37*

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.





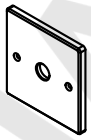
Q-MT-24

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



Q-MT-25

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



Q-MT-26



Q-MT-27

Compatible with 3/0 RECESSED J-BOX by others

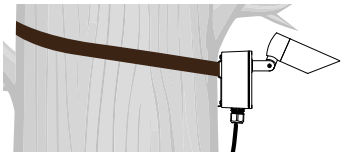


Q-MT-42*

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*

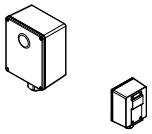


Q-MT-14*

With Tree Strap

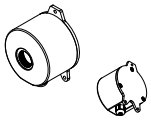


Q-MT-39*



Q-MT-50 (No Driver)

With Water Protection and Tree Strap

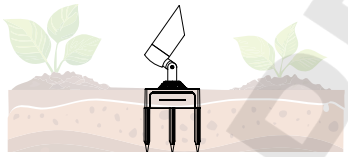


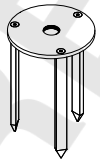
Q-MT-51*

With Water Protection

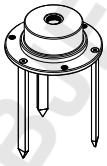
DIRECT BURIAL

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*

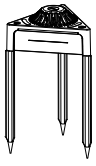


Q-MT-7*

With Water Protection

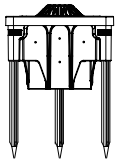


Q-MT-45*



Q-TRIX-R20* (No Driver)

With Water Protection

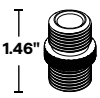


Q-TRIX-R50* (With Driver)

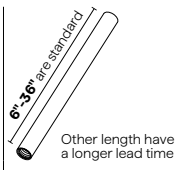
With Water Protection

MOUNT ACCESSORIES

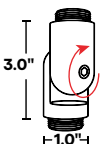
See Accessories installation for dimensions and included hardware.



1/2 NPS

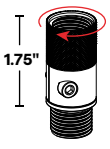


AY-3 Riser Pole



AY-7

No Water Protection



(RA) ROTATIONAL ADAPTER

With Water Protection

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

PRELIMINARY SUBJECT TO CHANGE

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