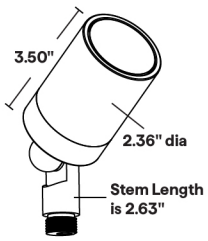
VOYA UL/DL 2.5 COB TEST
Product
24VDC COB Flood/Accent LED

FPO



- 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 CRI	3 CCT	4 SNOOT	5 COB	6 BEAM ANGLE	7 MATERIAL	8 FINISH	9 WATTAGE	10 OUTPUT SETTING	11 WEEP HOLE	12 ACCESSORY 1	13 ACCESSORY 2	14 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 CRI
95
90
N/A
CRI BLOCK NOTE

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

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

SNOOT BLOCK 1 NOTE

GZR Grazer
SNOOT BLCOK 2 NOTE

5 COB
COBSP Spot
COB BLOCK 1 NOTE

COB All Other
COB BLOCK 2 NOTE

COB All Other
COB BLOCK 3 NOTE

6 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

7 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

8 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

9 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

10 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

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Specification subject to change. Rev-11-09-26

VOYA UL/DL 2.5 COB TEST

Product

24VDC COB Flood/Accent LED

11 WEEP HOLE

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

ACCESSORY BLOCK NOTE

12 ACCESSORY 1

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

ACCESSORY BLOCK NOTE

13 ACCESSORY 2

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

ACCESSORY BLOCK NOTE

14 ACCESSORY 3

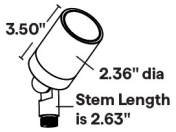
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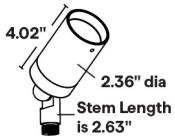
VOYA UL/DL 2.5 COB TEST Product

24VDC COB Flood/Accent LED

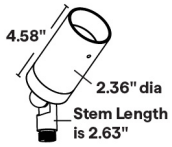
1 PRODUCT - DIMENSIONS



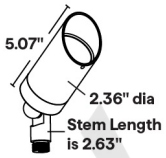
Flush Snoot (FL)



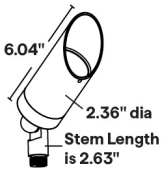
0.5" Regress Snoot (HR)



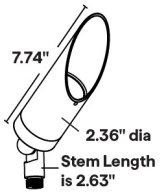
1" Regress Snoot (1R)



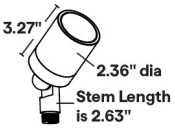
30 Degree Snoot (30D)



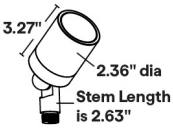
45 Degree Snoot (45D)



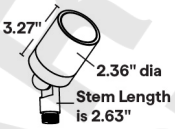
60 Degree Snoot (60D)



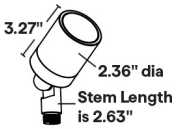
Grazer Snoot (GZR)
*Only to be used with GZR optics



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



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



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

5 DELIVERED LUMENS

Tested with VOYA-2.5-COB-24VDC-SW-**-95-30 at 11Ws

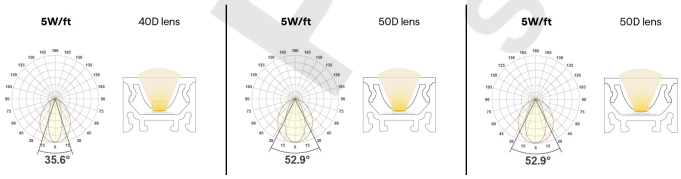
	CCT	LUMENS	LM/W	CRI	PEAK INTENSITY (CD)	CRI Ra	CRI R9	TM30 Rf	TM30 Rg
COB SPOT - 12°	2994	841	73	95	12682	98	92	97	101
COB - 16°	2979	886	78	95	7861	98	93	96	102
COB - 23°	2977	924	81	95	4904	98	93	96	102
COB - 37°	2977	925	81	95	2196	98	93	96	102
COB - 51°	2985	919	81	95	1407	98	93	96	102
COB - Grazer	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 UL/DL 2.5 COB TEST Product

24VDC COB Flood/Accent LED

8 FINISH

ALUMINUM POWDER COAT FINISHES

POWDER COAT IMAGES NOTE



BRASS AND STAINLESS STEEL POLISHED FINISHES

BRASS AND STIANLESS STEEL FINISH NOTE



10 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	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,

12/13/14 ACCESSORIES

ACCESSORIES LENS IMAGES NOTES

SP	LS	WW	LV		WI
					
Spread Lens	Linear Spread Lens	Wall Wash Lens	Honeycomb Louver	Retaining Ring	Wire Holder
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 ACC-2.5-RR

COMPATIBLE GLARE CONTROL ACCESSORIES

VOYA-2.5-45D-GLARE-SHIELD-YY-XX	VOYA-2.5-45D-GLARE-SHIELD-YY-XX	VOYA-2.5-45D-GLARE-SHIELD-YY-XX	VOYA-2.5-45D-GLARE-SHIELD-YY-XX	VOYA-2.5-45D-GLARE-SHIELD-YY-XX	VOYA-2.5-45D-GLARE-SHIELD-YY-XX
					
Adjustable 45° Glare Shield. See Spec Sheet for material (YY) and finish (XX) options	Adjustable 45° Glare Shield. See Spec Sheet for material (YY) and finish (XX) options	Adjustable 45° Glare Shield. See Spec Sheet for material (YY) and finish (XX) options	Adjustable 45° Glare Shield. See Spec Sheet for material (YY) and finish (XX) options	Adjustable 45° Glare Shield. See Spec Sheet for material (YY) and finish (XX) options	Adjustable 45° Glare Shield. See Spec Sheet for material (YY) and finish (XX) options

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VOYA UL/DL 2.5 COB 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-DC+CAP QTM-eLED-ND QZ-ND	Q-HEX-mini Q-SET-QZ-ND Q-SET-eLED-ND Q-SET-mLED QOM-DC+CAP QOM-eLED-ND QZ-ND
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

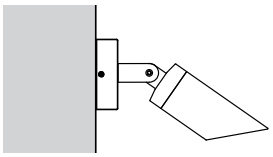
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VOYA EM/SM 2.5" MOUNT COMPATIBILITY

Landscape Lighting

SURFACE/WALL

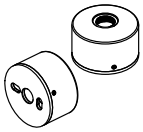
See Surface/Wall installation for dimensions and included hardware. Refer to the mount cut sheets for complete order codes regarding mount's options.





Q-WB

Wood Beam Mount



Q-MT-11*

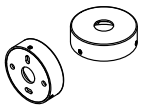
With Water Protection



Q-MT-17*



Q-MT-18

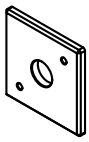


Q-MT-19

With Water Protection



Q-MT-21



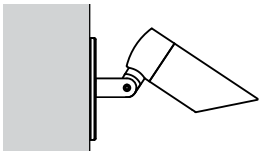
Q-MT-22

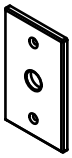


Q-MT-37*

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.





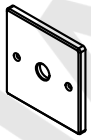
Q-MT-24

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

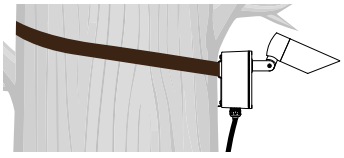


Q-MT-42*

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*

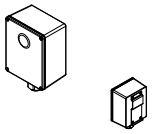


Q-MT-14*

With Tree Strap

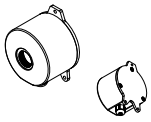


Q-MT-39*



Q-MT-50 (No Driver)

With Water Protection and Tree Strap

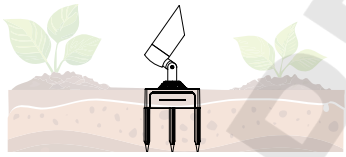


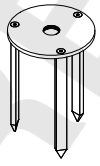
Q-MT-51*

With Water Protection

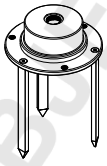
DIRECT BURIAL

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*

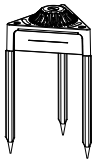


Q-MT-7*

With Water Protection

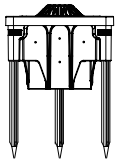


Q-MT-45*



Q-TRIX-R20* (No Driver)

With Water Protection

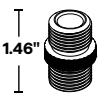


Q-TRIX-R50* (With Driver)

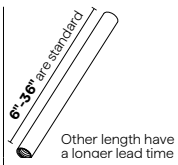
With Water Protection

MOUNT ACCESSORIES

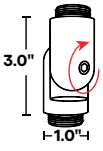
See Accessories installation for dimensions and included hardware.



NPS ADAPTER

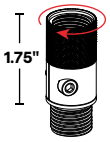


AY-3 Riser Pole



AY-7

No Water Protection



(RA) ROTATIONAL ADAPTER

With Water Protection

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

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