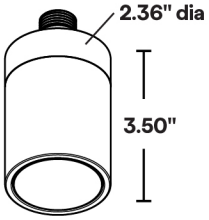
VOYA DOWN LIGHT 2.5" COB STATIC WHITE

12VAC COB Down LED

FPO



- 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
- High lumen output with peak color performance including CRI > 95 and R9 > 90.
- Field-adjustable output set on site via DIP switch
- Wet listed for exterior applications

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-DL-2.5-COB-12VAC-SW										N/A			

Sample Part Number: **VOYA-DL-2.5-COB-12VAC-SW-90-30-45D-COB-51-A-WH-12-500MA-N/A-WW-LV-N/A**

1 PRODUCT

VOYA-DL-2.5-COB-12VAC-SW	

2 CRI

95	
90	

3 CCT

22	2200K
24	2400K
27	2700K
30	3000K
35	3500K
40	4000K

4 SNOOT

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

5 COB

COBSP	Spot
COB	All Other
COB	All Other

6 BEAM ANGLE

12	12 Degree
16	16 Degree
23	23 Degree
37	37 Degree
51	51 Degree
GZR	Grazer

7 MATERIAL

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

8 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

9 WATTAGE

12	12.5 Watts

Refer to delivered lumen output on following pages

12W option includes on board dip switch for field adjustable output with 8 settings

09	9.5 Watts
05	4.9 Watts

Refer to delivered lumen output on following pages

10 OUTPUT SETTING

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

Selection above is factory set. Current settings follow logarithmic reduction in output for linear perception, can be adjusted in the field

N/A	Not available for these wattages

11 WEEP HOLE

N/A	No Weep Hole

12 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.

13 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.

14 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.

PRELIMINARY 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

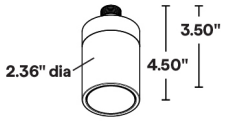
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Specification subject to change. Rev-11-06-26

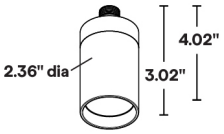
VOYA DOWN LIGHT 2.5" COB STATIC WHITE

12VAC COB Down LED

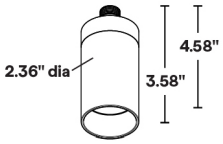
1 PRODUCT - DIMENSIONS



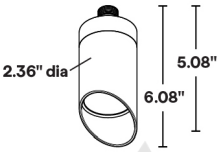
Flush Snoot (FL)



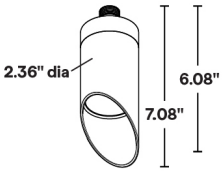
0.5" Regress Snoot (HR)



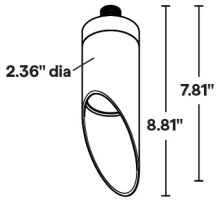
1" Regress Snoot (1R)



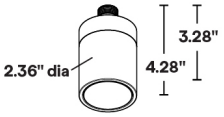
30 Degree Snoot (30D)



45 Degree Snoot (45D)



60 Degree Snoot (60D)



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

5 DELIVERED LUMENS

Tested with VOYA-2.5-COB-12VAC-SW-ST-95-30-FL at 12W
Grazer COB and Beam Angle are tested with Grazer Snoot

COB - BEAM ANGLE	CCT	LUMENS	LM/W	PEAK INTENSITY (CD)	CRI Ra	CRI R9	TM30 Rf	TM30 Rg
COB - 16°	2997	795	64	6759	98	93	97	99
COB - 23°	3004	860	69	4655	98	93	97	99
COB - 37°	3011	845	68	2082	98	93	97	99
COB - 51°	3011	780	63	1070	98	93	97	99
COB - Grazer	3036	770	61	2804	98	93	97	99

CCT MULTIPLIERS	
2200K	0.81
2400K	0.88
2700K	0.92
3000K	1.00
3500K	1.04
4000K	1.08

WATTAGE MULTIPLIERS	
12W	1.00
9W	0.80
5W	0.38

Tested with VOYA-2.5-COB-12VAC-SW-ST-90-30-FL at 12W
Grazer COB and Beam Angle are tested with Grazer Snoot

COB - BEAM ANGLE	CCT	LUMENS	LM/W	PEAK INTENSITY (CD)	CRI Ra	CRI R9	TM30 Rf	TM30 Rg
COB - 16°	2980	874	69	7285	93	58	91	97
COB - 23°	2984	946	75	4972	93	58	91	97
COB - 37°	2995	937	74	2266	93	58	91	97
COB - 51°	2995	860	68	1162	93	58	91	97
COB - Grazer	3022	878	71	3107	93	58	91	97

CCT MULTIPLIERS	
2200K	0.80
2400K	0.90
2700K	0.95
3000K	1.00
3500K	1.05
4000K	1.04

WATTAGE MULTIPLIERS	
12W	1.00
9W	0.80
5W	0.40

Tested with VOYA-2.5-COBSP-12VAC-SW-ST-95-30-FL at 12W

COBSP - BEAM ANGLE	CCT	LUMENS	LM/W	PEAK INTENSITY (CD)	CRI Ra	CRI R9	TM30 Rf	TM30 Rg
COBSP - 12°	2988	733	62	10502	99	88	98	99

CCT MULTIPLIERS	
2200K	0.84
2400K	0.89
2700K	0.93
3000K	1.00
3500K	1.06
4000K	1.10

WATTAGE MULTIPLIERS	
12W	1.00
9W	0.81
5W	0.39

Tested with VOYA-2.5-COBSP-12VAC-SW-ST-90-30-FL at 12W

COBSP - BEAM ANGLE	CCT	LUMENS	LM/W	PEAK INTENSITY (CD)	CRI Ra	CRI R9	TM30 Rf	TM30 Rg
COBSP - 12°	2996	849	68	11413	93	57	91	97

CCT MULTIPLIERS	
2200K	0.77
2400K	0.88
2700K	0.95
3000K	1.00
3500K	1.02
4000K	1.06

WATTAGE MULTIPLIERS	
12W	1.00
9W	0.80
5W	0.40

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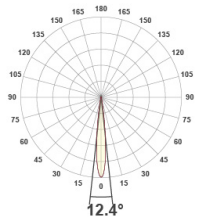
VOYA DOWN LIGHT 2.5" COB STATIC WHITE

12VAC COB Down LED

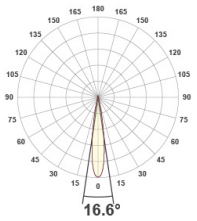
PHOTOMETRIC PERFORMANCE

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

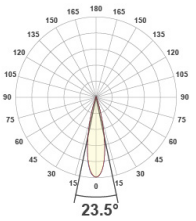
12°



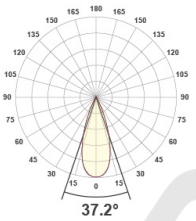
16°



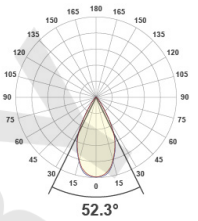
23°



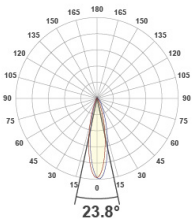
37°



51°



GZR



8 FINISH

ALUMINUM POWDER COAT FINISHES

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



Beige

Black

Black Texture

Bronze



Bronze Texture

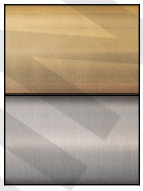
Black Bronze

Silver

White

BRASS AND STAINLESS STEEL POLISHED FINISHES

Brass and Stainless Steel have longer lead times: consult factory



Polished Brass

Polished Stainless Steel

10 DIP SWITCH SETTINGS

VOYA-2.5-12VAC-COB-SW

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

⊤ On ⊥ Off.

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VOYA DOWN LIGHT 2.5" COB STATIC WHITE

12VAC COB Down LED

12/13/14 ACCESSORIES

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

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



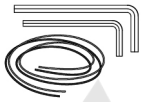
Honeycomb Louver

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

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 Q-SET-1 Q-SET-2 Q-SET-3 QOMD QOMS

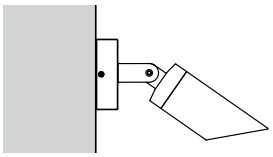
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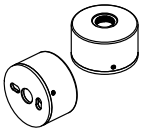
VOYA DOWN LIGHT 2.5" MOUNT COMPATIBILITY

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-MT-11*

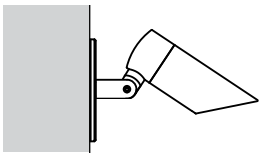
With Water Protection



Q-MT-21

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-25

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

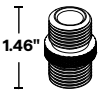


Q-MT-27

Compatible with 3/0 RECESSED J-BOX by others

MOUNT ACCESSORIES

See Accessories installation for dimensions and included hardware.



1/2 NPS

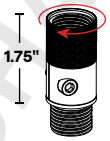


AY-3 Riser Pole



AY-7

No Water Protection



(RA) ROTATIONAL ADAPTER

With Water Protection

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

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