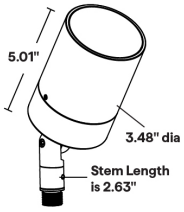
VOYA EM 3.5 COB STATIC WHITE 120VAC

120VAC COB Flood/Accent LED





- Our highest-output VOYA fixture for tall tree canopies and large-scale applications
- Integrated 120VAC requires no remote driver
- 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.
- Available with COB spot or flood light engine
- Wet listed for exterior applications

1 PRODUCT	2 KNUCKLE	3 CRI	4 CCT	5 SNOOT OPTIONS	6 COB	7 BEAM ANGLE	8 MATERIAL	9 FINISH	10 WATTAGE	11 MOUNTING OPTIONS	12 WEEP HOLE	13 ACCESSORY 1	14 ACCESSORY 2	15 ACCESSORY 3
VOYA-EM-3.5-COB-120VAC-SW	RA													

Sample Part Number: **VOYA-EM-3.5-COB-120VAC-SW-RA-95-30-30D-COB-51-A-BZT-21-MT-48-WPH-LV-N/A-N/A**

1 PRODUCT

VOYA-EM-3.5-COB-120VAC-SW

2 KNUCKLE

RA Rotational 360° Knuckle

3 CRI

95
90

4 CCT

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

5 SNOOT OPTIONS

FL Flush
1R 1" Regress
30D 30 Degree

6 COB

COBSP Spot

COB All Other

7 BEAM ANGLE

12 12 Degree

19 19 Degree
25 25 Degree
37 37 Degree
51 51 Degree

8 MATERIAL

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

Brass and Stainless Steel have longer lead times: consult factory

9 FINISH

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

P Polished

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

10 WATTAGE

20 19.8 Watts
16 15.6 Watts

29 28.7 Watts
21 20.7 Watts
16 15.8 Watts

25 24.6 Watts
20 19.8 Watts
16 15.8 Watts

11 MOUNTING OPTIONS

MT-48 In-Ground Mount
MT-49-BF Surface Mount Back Feed
MT-49-SF Surface Mount Side Feed
MT-50 Tree Mount

See Mounting section for compatibility information

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.

14 ACCESSORY 2

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

Retaining Ring included.

15 ACCESSORY 3

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

Retaining Ring included.

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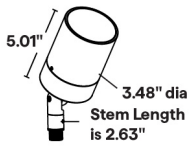
Specification subject to change. Rev-10-23-26

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

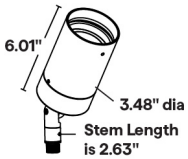
VOYA EM 3.5 COB STATIC WHITE 120VAC

120VAC COB Flood/Accent LED

1 PRODUCT - DIMENSIONS



Flush Snoot (FL)



1" Regress Snoot (1R)



30 Degree Snoot (30D)

6 DELIVERED LUMENS

Tested with VOYA-3.5-COB-120VAC-SW-RA-95-30-FL at 29W

COB - BEAM ANGLE	CCT	LUMENS	LM/W	PEAK INTENSITY (CD)	CRI Ra	CRI R9	TM30 Rf	TM30 Rg
COB - 19°	2955	2469	90	16392	98	91	97	99
COB - 25°	2970	2644	97	12728	98	91	97	99
COB - 37°	2979	2604	95	6308	98	91	97	99
COB - 51°	2987	2608	95	3678	98	91	97	99

CCT MULTIPLIERS	
2200K	0.84
2400K	0.88
2700K	0.93
3000K	1.00
3500K	1.04
4000K	1.08

WATTAGE MULTIPLIERS	
29W	1.00
25W	**
21W	0.75
20W	**
16W	0.53

Tested with VOYA-3.5-COB-120VAC-SW-RA-90-30-FL at 29W

COB - BEAM ANGLE	CCT	LUMENS	LM/W	PEAK INTENSITY (CD)	CRI Ra	CRI R9	TM30 Rf	TM30 Rg
COB - 19°	2970	2758	100	18519	93	58	90	96
COB - 25°	2981	2979	108	14417	93	59	90	96
COB - 37°	2991	2928	107	7135	93	59	90	96
COB - 51°	2997	2949	107	4249	93	59	90	96

CCT MULTIPLIERS	
2200K	0.78
2400K	0.86
2700K	0.95
3000K	1.00
3500K	1.05
4000K	1.06

WATTAGE MULTIPLIERS	
29W	1.00
25W	**
21W	0.75
20W	**
16W	0.52

Tested with VOYA-3.5-COB-120VAC-SW-RA-95-30-FL at 20W

COB - BEAM ANGLE	CCT	LUMENS	LM/W	PEAK INTENSITY (CD)	CRI Ra	CRI R9	TM30 Rf	TM30 Rg
COBSP - 12°	2947	1501	77	20392	98	92	97	99

CCT MULTIPLIERS	
2200K	0.81
2400K	0.88
2700K	0.95
3000K	1.00
3500K	1.06
4000K	1.10

WATTAGE MULTIPLIERS	
20W	1.00
16W	0.81

Tested with VOYA-3.5-COB-120VAC-SW-RA-90-30-FL at 20W

COB - BEAM ANGLE	CCT	LUMENS	LM/W	PEAK INTENSITY (CD)	CRI Ra	CRI R9	TM30 Rf	TM30 Rg
COBSP - 12°	2949	1584	81	21355	97	87	94	99

CCT MULTIPLIERS	
2200K	0.81
2400K	0.89
2700K	0.92
3000K	1.00
3500K	1.03
4000K	1.01

WATTAGE MULTIPLIERS	
20W	1.00
16W	0.79

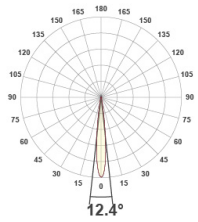
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VOYA EM 3.5 COB STATIC WHITE 120VAC

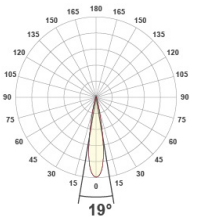
120VAC COB Flood/Accent LED

PHOTOMETRIC PERFORMANCE

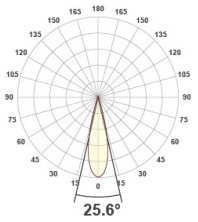
12°



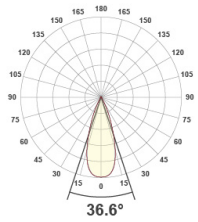
19°



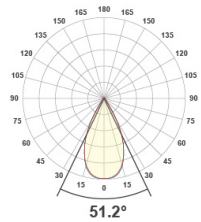
25°



37°



51°



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



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

13/14/15 ACCESSORIES

Holds up to three accessories. Retaining Ring included with each accessory.

SP



Spread Lens

To order separately use ACC-3.5-SP

LS



Linear Spread Lens

To order separately use ACC-3.5-LS

WW



Wall Wash Lens

To order separately use ACC-3.5-WW

LV



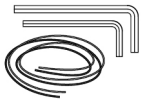
Honeycomb Louver

To order separately use ACC-3.5-LV



Retaining Ring

To order separately use ACC-3.5-RR



SNOOT INSTALL KIT

To order separately use VOYA-SNOOT-INSTALL-KIT

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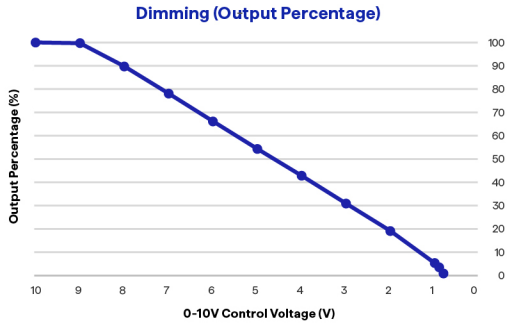
Specification subject to change. Rev-10-23-26

VOYA EM 3.5 COB STATIC WHITE 120VAC

120VAC COB Flood/Accent LED

6 DIMMING

VOYA 3.5 120VAC COB fixtures dim lower than 1%.

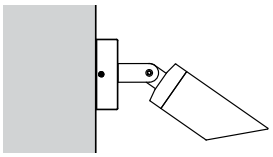


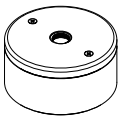
VOYA EM/SM 3.5" MOUNT COMPATIBILITY

Landscape Lighting

SURFACE/WALL

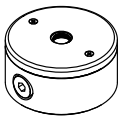
See Surface/Wall installation for dimensions and included hardware. Refer to the mount cut sheets for complete order codes regarding mount's options.





Q-MT-49-BF
(With Driver)

With Water Protection

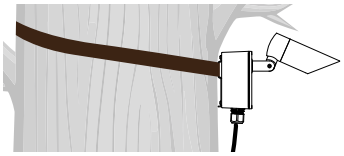


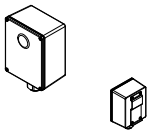
Q-MT-49-SF
(With Driver)

With Water Protection

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.



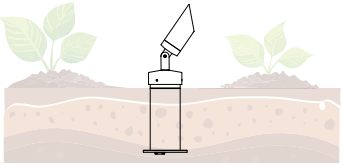


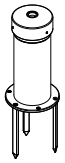
Q-MT-50
(With Driver)

With Water Protection
and Tree Strap

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-48
(With Driver)

With Water Protection

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