

# ZFL16

(includes former ZXLF model)

FLOOD & WALL WASH | ZFL16 Series | 2.25"  
 4 - 8W (250 - 500lm) | 12V | HK LED, Amber



IP67



Low Voltage Round Flood Light: ZFL16-0R1



Low Voltage Double Round Flood Light: ZFL16-0R2

## FEATURES

- Strong 12V LED round flood light for wall wash, landscape, hardscape, and signage illumination, available in single and double light configurations.
- 4W, 8W integrated HK LED delivering 250 - 500 lumens per light. 2700 - 4000K CCT, including specialty Amber option.
- Wet Location Listed, IP67 Standard.
- Machined from solid aircraft grade (6061-T6), corrosion-resistant aluminum, then anodized and powder coated to create a highly durable, marine grade finish. Also available in solid brass or stainless steel.
- 360° vertical and 360° horizontal adjustment via unique swivel stem design.
- Available ground, surface, and canopy mounting options.
- Every fixture tested end of line for water tightness and light quality.
- Readymade eligible configurations ship in 2 to 4 weeks, complete with selected accessories installed.

## SPECIFICATIONS

<p><b>Materials</b></p> <p>Machined from billet 6061-T6 corrosion resistant aluminum with 304 stainless steel hardware. Available in 304/316 stainless steel or 360 brass upon request.</p> <p><b>Finish</b></p> <p>Aluminum materials are first anodized and then powder coated for a robust, marine grade finish. Stainless steel and brass models are provided with brushed surface.</p> <p><b>Optional Barn Door Style Glare Shield</b></p> <p>Optional barn doors for glare control and precision cut off. (See page 4 for details).</p>	<p><b>Voltage</b></p> <p>12V AC/DC. Requires remote step down transformer.</p> <p><b>Wattage</b></p> <p>4 or 8W HK LED delivering 250 to 500 lumens.</p> <p><b>Light Engine</b></p> <p>Innovative HK LED light engine. CRI 90 Standard. Available in CRI 80 or CRI 95 upon request. Standard CCT options are 2700K, 3000K, 3500K, 4000K. Amber option available. Consult factory for specialty LED specification details.</p> <p><b>Dimming</b></p> <p>MLV or ELV Phase Control dimming.</p>	<p><b>Optics</b></p> <p>Includes Solite Soft Focus lens for smooth, even distribution of light.</p> <p><b>Mounting</b></p> <p>Mounts using 1/2"-14 NPS male fitting compatible with all HK Lighting Group mounting devices. (See page 4 for details).</p> <p><b>Listings</b></p> <p>ETL Listed for Wet Location, IP67 Standard. RoHS Compliant.</p>
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## ORDERING GUIDE

EXAMPLE: ZFL16-0R1-ABL-012V08W-30-BD-MH02-06-BRZ

MODEL	PHYSICAL OPTIONS	MATERIAL /FINISH	POWER	LIGHT																																															
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Readymade eligible configurations ship in 2 to 4 weeks

<sup>1</sup> For premium materials, please consult the factory for current lead times and pricing. A minimum order quantity of 10 units is required.

<sup>2</sup> For Specialty AM (Amber LED), select SPW (Specialty) for Wattage. Consult factory for LED technical details before Specification or Order.

<sup>3</sup> Due to the weight of the product, not recommended for use in soft soil.

## OPTIONAL INSTALLED ACCESSORIES

### GLARE SHIELD ACCESSORIES

<b>BD</b>	Barn Door Glare Shields
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### MOUNTING (Most common listed, see Page 4 for additional options)

GROUND MOUNT	
<b>MHCS-06</b>	6" PVC Single Prong Spike (12V) <sup>3</sup>
<b>MHCS-12</b>	12" PVC Single Prong Spike (12V) <sup>3</sup>
<b>MH02-06-BRZ</b>	6" Stainless Steel 3-Prong Spike (12V) Bronze
<b>MH02-12-BRZ</b>	12" Stainless Steel 3-Prong Spike (12V) Bronze
<b>JB-1</b>	Brass In-ground Junction Box
CANOPY MOUNT	
<b>CM1-XXX</b>	3.75" Square Canopy Plate
<b>CM3-XXX</b>	4.75" Square Canopy Plate
<b>CM5-XXX</b>	5" Round Canopy Plate
<b>CM5-2-XXX</b>	5" Round Canopy Plate - Double
SURFACE MOUNT	
<b>CMLJ-XXX</b>	2.7" Round Surface Box
<b>CB4.0-XXX</b>	4" Round Surface Box
<b>CB5.5-XXX</b>	5.5" Round Surface Box
EXTENSIONS	
<b>EXF-12-XXX</b>	ZFL 12" Extension
<b>EXF-24-XXX</b>	ZFL 24" Extension

### ADDITIONAL GLARE SHIELD ACCESSORIES

<b>BD-ZFL16-XXX</b>	Barn Door Glare Shield
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- Consult Accessory Spec Sheet for desired option code.
- XXX represents color option.
- Readymade options available in ABL and ABR only unless noted by the part code above.

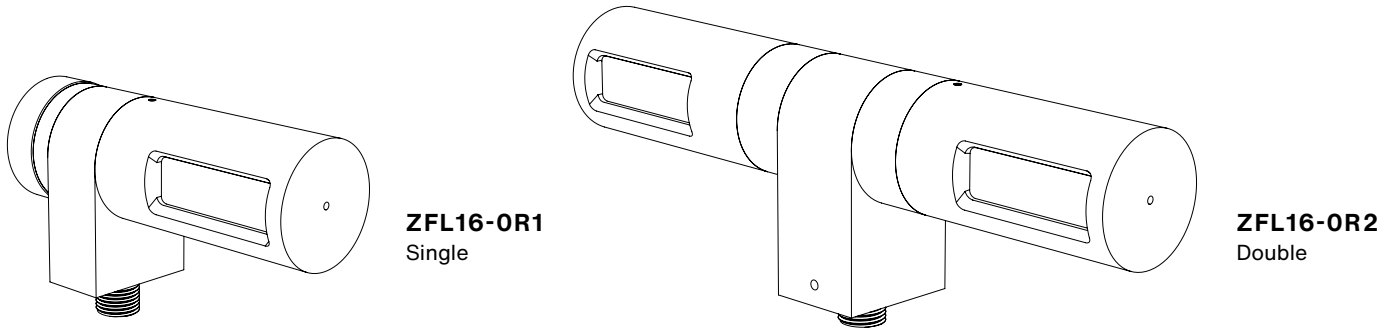
## OUTDOOR MAGNETIC TRANSFORMERS (120V input/12VAC Output)

TRANSFORMERS (Go to [Accessories](#) for detailed specification)

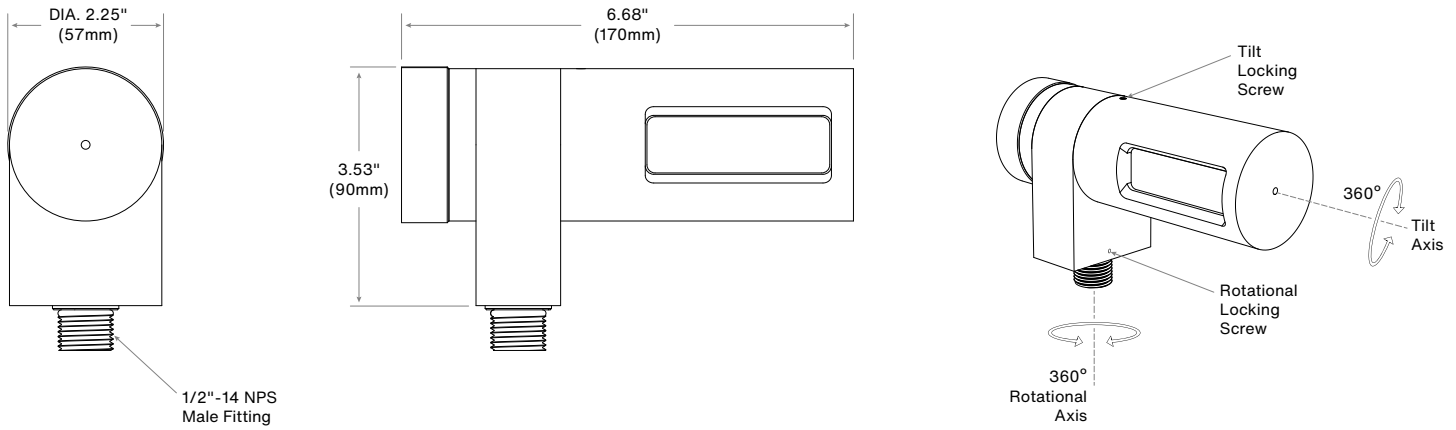
EXAMPLE: TXS-150-SS

MODEL		WATTAGE (VA)				PRIMARY VOLTAGE (VAC)	
<b>TXM</b>	Stainless steel, wet location outdoor magnetic transformer Multitap   12-15VAC Output   MLV Dimming	150	300			<b>OTR-SS</b> (120V Only)	
<b>TXS</b>	Stainless steel, wet location outdoor magnetic transformer Multitap   12VAC Output   MLV Dimming	150	300	600		<b>SS</b> (120V Only)	
<b>TXM</b>	Compact, damp location magnetic transformer 12VAC Output   MLV Dimming	20	40	60	100	120	
<b>IGT</b>	In ground outdoor magnetic transformer 12VAC Output   MLV Dimming	50 (120V Only)		100	300	120	277
<b>TXE</b>	In-fixture or near mounted electronic transformer 12VAC Output   ELV Dimming   Enclosure by others	60				120	277

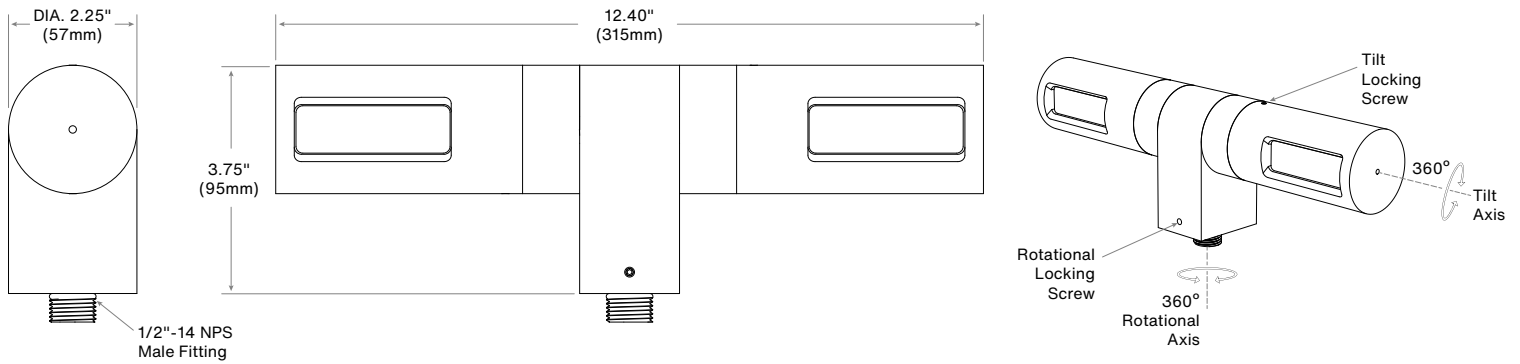
**PRODUCT DRAWINGS**



**ZFL16-OR1**



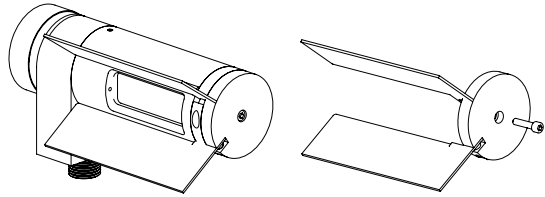
**ZFL16-OR2**



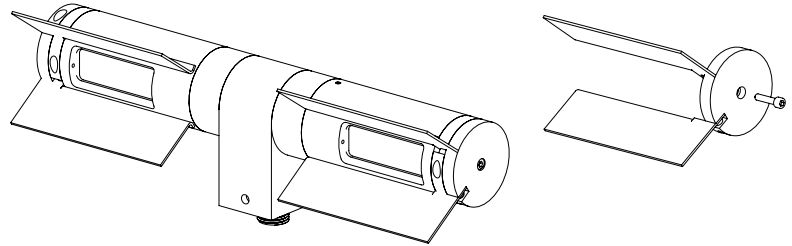
**OPTIONS & ACCESSORIES**

**OPTIONAL GLARE SHIELD**

Barn Door For ZFL16 Series-Single  
Fastened With Set Screw



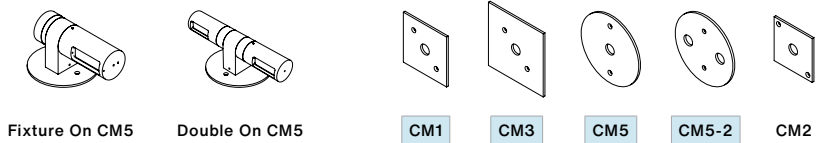
Barn Door For ZFL16 Series-Double  
Fastened With Set Screw



**MOUNTING ACCESSORIES**

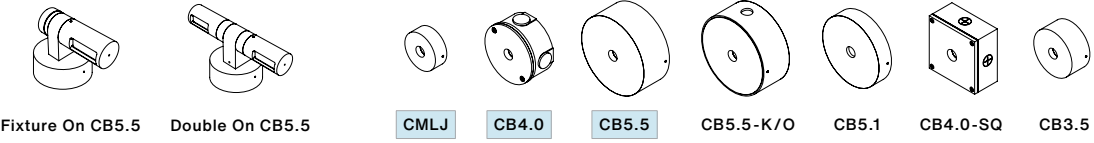
Go to [Accessories](#) for additional options and full specifications.

**Canopy Mount:**



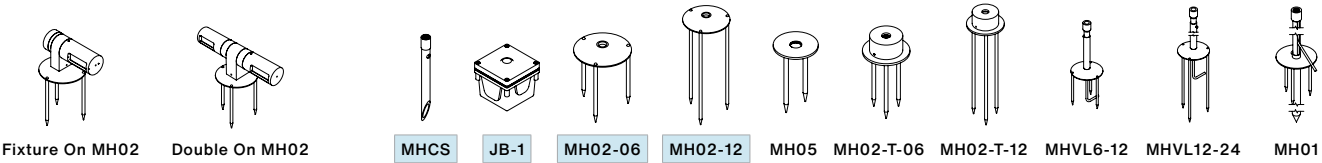
Fixture On CM5    Double On CM5    CM1    CM3    CM5    CM5-2    CM2

**Surface Mount Box:**



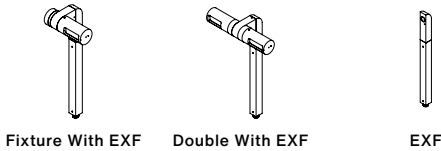
Fixture On CB5.5    Double On CB5.5    CMLJ    CB4.0    CB5.5    CB5.5-K/O    CB5.1    CB4.0-SQ    CB3.5

**Ground Mount:**



Fixture On MH02    Double On MH02    MHCS    JB-1    MH02-06    MH02-12    MH05    MH02-T-06    MH02-T-12    MHVL6-12    MHVL12-24    MH01

**Extension:**



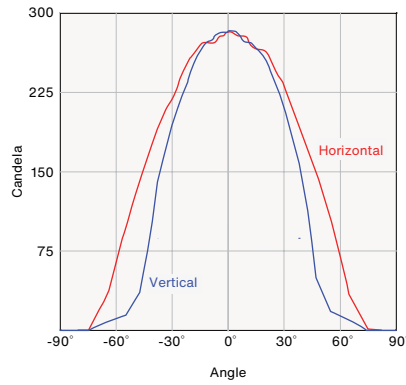
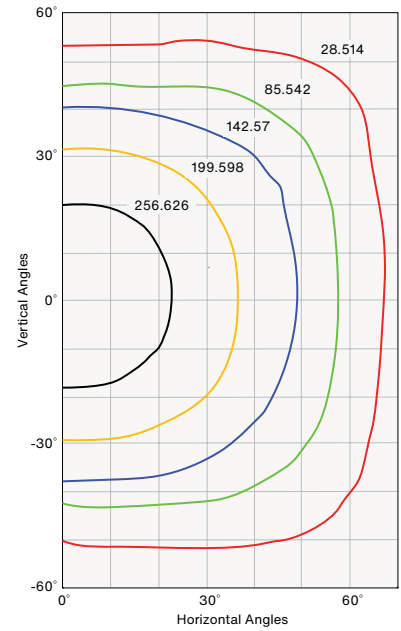
Fixture With EXF    Double With EXF    EXF

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**Notes:**

**PHOTOMETRY & ENERGY DATA (Per Head)**
**ZFL16**

Input Power	7.5W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	83
Horizontal Beam Angle	96.4°
Vertical Beam Angle	77.1°
Max. Candlepower	285cd
Delivered Lumens	508lm
Efficacy	67.7lm/W

**Axial Candela Display**

**Isocandela Curves**


Maximum Candela = 285.14 Located at Horizontal Angle = 0°, Vertical Angle = 0°  
 50% Maximum Candela = 142.57  
 10% Maximum Candela = 28.514

**WATTAGE MULTIPLIER**

Wattage	Multiplier
4 Watt	0.50
8 Watt	1.00

**CCT MULTIPLIER**

Color Temp.	Multiplier
2700k	0.97
3000k	1.00
4000k	1.05