

# ZXL16

(includes former ZXL16 & ZXL16-NF models)

ACCENT & LANDSCAPE | ZX16 Series | 2.25"  
5 - 10W (500 - 900lm) | 12V | HK LED, RGB, Amber



IP67



Standard Low Voltage Accent: ZXL16-0R1SA-ABL



Finned Low Voltage Accent: ZXL16-0R1FA-ABL

## FEATURES

- Our most versatile round, directional 12V LED modern accent light for architectural outdoor and landscape lighting environments.
- 5W, 7W, 10W integrated HK LED delivering 500 to 900 lumens. 2200-4000K CCT, including specialty Amber and RGB options.
- 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.
- 240° vertical and 360° horizontal adjustment via locking swivel stem design.
- Modular components, field changeable LED optical beams, and lenses.
- Available with adjustable Angled, Long, and Short Glare Shields and 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

### Materials

Machined from solid billet 6061-T6 corrosion resistant aluminum with 304 stainless steel hardware. Available in 304/316 stainless steel or 360 brass upon request.

### Finish

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.

### Hood and Glare Shield

Weeping and Non-weeping Hood Styles. Set screw or threaded Angled, Short, or Long Glare Shields. (See page 4 for details).

### Voltage

12V AC/DC. Requires remote step down transformer.

### Wattage

5, 7 or 10W HK LED delivers 500 to 900 lumens.

### Light Engine

Innovative HK LED Light module operates like a lamp and can be easily changed in the field. CRI 90 Standard. Available in CRI 80 or CRI 95 upon request. Standard CCT options are 2700K, 3000K, 3500K, 4000K. Specialty 2200K, 2400K, 2500K, Amber, and RGB options available. Consult factory for specialty LED specification details.

### Dimming

MLV or ELV Phase Control dimming.

### Optics

Narrow (20°), Medium (33°), Wide (44°), and Extra Wide (57°) beam spread options available. Accepts up to 3 optical accessories (hexcel louver, optical lenses, dichroic color filters, etc.) Secured place with metal snap ring.

### Mounting

Mounts using 1/2"-14 NPS male fitting compatible with all HK Lighting mounting accessories. (See page 4 for details).

### Listings

ETL Listed for Wet Location, IP67 Standard. RoHS Compliant.

## ORDERING GUIDE

EXAMPLE: **ZXL16-0R1SA-ABL-012V05W-27N-GSA-LVR-MHCS-06**

MODEL	OPTIONS			MATERIAL / FINISH		POWER		LIGHT	
<b>ZXL16</b>	<b>OR1</b>					<b>012V</b>			
ZX16 Series 2.25" Accent Light Integrated HK LED	<b>TYPE</b>		<b>STYLE</b>	<b>HOOD</b>		<b>VOLTAGE</b>		<b>WATTAGE</b>	<b>CCT</b>
	<b>OR1</b>	Low Voltage, Round Accent	<b>S</b> Standard	<b>A</b> A: Weeping	<b>ABL</b> Aluminum Black	<b>012V</b>	12V AC	<b>05W</b> 5 Watts (500lm)	<b>22</b> 2200K
			<b>F</b> Finned	<b>B</b> B: No Weep Holes	<b>ABR</b> Aluminum Bronze			<b>07W</b> 7 Watts (700lm)	<b>24</b> 2400K
				<b>C</b> C: Threaded, Weeping	<b>AWH</b> Aluminum White			<b>10W</b> 10 Watts (900lm)	<b>25</b> 2500K
					<b>AAC</b> Aluminum Anodized Clear <sup>1</sup>			<b>SPW</b> Speciality <sup>2</sup>	<b>27</b> 2700K
					<b>NBR</b> Natural Brass <sup>1</sup>				<b>30</b> 3000K
					<b>NCU</b> Natural Copper <sup>1</sup>				<b>35</b> 3500K
					<b>NSS</b> Natural Stainless Steel <sup>1</sup>				<b>40</b> 4000K
					<b>CCC</b> Custom Finish <sup>1</sup>				<b>AM</b> Amber <sup>2</sup>
									<b>RG</b> RGB <sup>2</sup>

Ready-made eligible configurations ship in 2 to 4 weeks

<sup>1</sup> Consult factory for specialty finish quoting and lead times

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

## OPTIONAL INSTALLED ACCESSORIES

GLARE SHIELD

GSA	A/B Glare Shield Angled
GSL	A/B Glare Shield Long
GSS	A/B Glare Shield Short
CGSA	C Glare Shield Angled
CGSL	C Glare Shield Long
CGSS	C Glare Shield Short

OPTIC

LVR	Hexcel Louver
OSL	Overall Spread Lens
LSL	Linear Spread Lens
SOL	Solite Soft Focus
DCF	Dichroic Filter

MOUNTING (Most common listed, see Page 4 for additional options)

GROUND MOUNT	
MHCS-06	6" PVC Single Prong Spike (12V)
MHCS-12	12" PVC Single Prong Spike (12V)
MH02-06-BRZ	6" Stainless Steel 3-Prong Spike (12V) Bronze
MH02-12-BRZ	12" Stainless Steel 3-Prong Spike (12V) Bronze
JB-1	Brass In-ground Junction Box
CANOPY MOUNT	
CM1-XXX	3.75" Square Canopy Plate
CM3-XXX	4.75" Square Canopy Plate
CM5-XXX	5" Round Canopy Plate
CM5-2-XXX	5" Round Canopy Plate - Double
SURFACE MOUNT	
CMLJ-XXX	2.7" Round Surface Box
CB4.0-XXX	4" Round Surface Box
CB5.5-XXX	5.5" Round Surface Box
TREE MOUNT	
TM125-ABR	Aluminum Tree Mount Box (12V)
TM125-TS-ABR	Stainless Steel Strap for TM125
EXTENSIONS	
EX-12-XXX	12" Extension
EX-24-XXX	24" Extension
EL-XXX	Elbow Extension

ADDITIONAL ACCESSORIES (Not installed at time of order)

GLARE SHIELD ACCESSORIES

GSA	A/B Glare Shield Angled
GSL	A/B Glare Shield Long

OPTIC ACCESSORIES

LVR-16	Hexcel Louver
OSL-16	Overall Spread Lens

## ADDITIONAL ACCESSORIES (Not installed at time of order)

GLARE SHIELD ACCESSORIES	OPTIC ACCESSORIES																								
<table> <tr><td><b>GSA</b></td><td>A/B Glare Shield Angled</td></tr> <tr><td><b>GSL</b></td><td>A/B Glare Shield Long</td></tr> <tr><td><b>GSS</b></td><td>A/B Glare Shield Short</td></tr> <tr><td><b>CGSA</b></td><td>C Glare Shield Angled</td></tr> <tr><td><b>CGSL</b></td><td>C Glare Shield Long</td></tr> <tr><td><b>CGSS</b></td><td>C Glare Shield Short</td></tr> </table>	<b>GSA</b>	A/B Glare Shield Angled	<b>GSL</b>	A/B Glare Shield Long	<b>GSS</b>	A/B Glare Shield Short	<b>CGSA</b>	C Glare Shield Angled	<b>CGSL</b>	C Glare Shield Long	<b>CGSS</b>	C Glare Shield Short	<table> <tr><td><b>LVR-16</b></td><td>Hexcel Louver</td></tr> <tr><td><b>OSL-16</b></td><td>Overall Spread Lens</td></tr> <tr><td><b>LSL-16</b></td><td>Linear Spread Lens</td></tr> <tr><td><b>SOL-16</b></td><td>Solite Soft Focus</td></tr> <tr><td><b>DCF-16</b></td><td>Dichroic Filter</td></tr> <tr><td><b>OPK-16</b></td><td>Optic Kit - Narrow, Medium, Wide, Extra Wide</td></tr> </table>	<b>LVR-16</b>	Hexcel Louver	<b>OSL-16</b>	Overall Spread Lens	<b>LSL-16</b>	Linear Spread Lens	<b>SOL-16</b>	Solite Soft Focus	<b>DCF-16</b>	Dichroic Filter	<b>OPK-16</b>	Optic Kit - Narrow, Medium, Wide, Extra Wide
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- Consult Accessory Spec Sheet for desired option code.
- XXX represents color option.
- Ready-made options available in ABL and ABR only unless noted by the part code above.

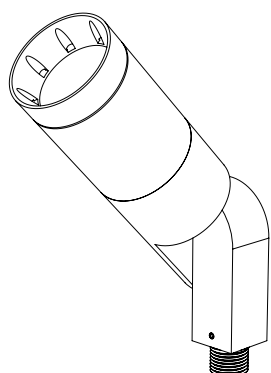
## OUTDOOR MAGNETIC TRANSFORMERS (120V input/12VAC Output)

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

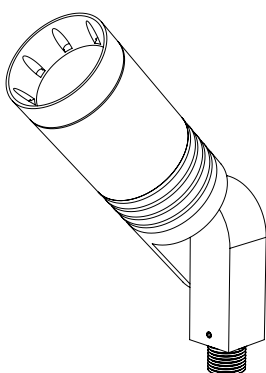
EXAMPLE: **TXS-150-SS**

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

## PRODUCT DRAWINGS

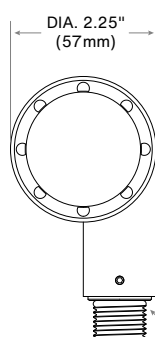


**ZXL16-0R1S**  
Standard

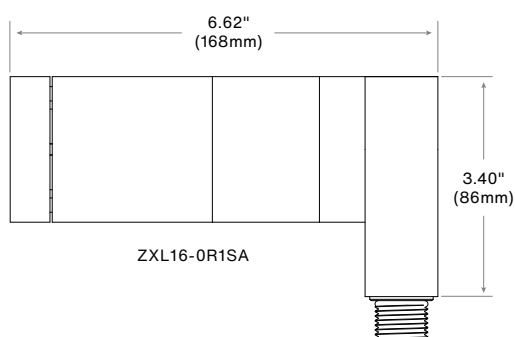


**ZXL16-0R1F**  
Finned

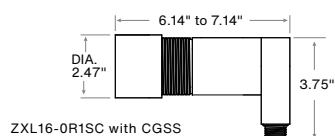
### ZXL16-0R1S



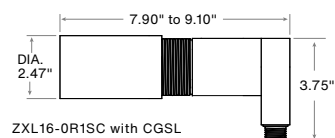
1/2"-14 NPS  
Male Fitting



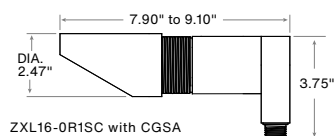
ZXL16-0R1SA



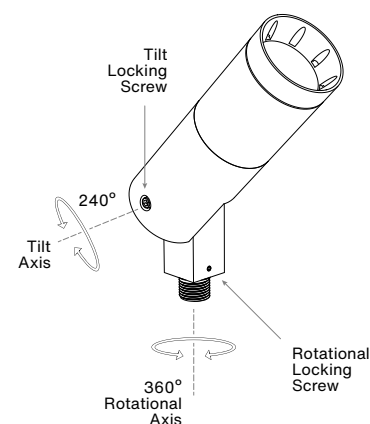
ZXL16-0R1SC with CGSS



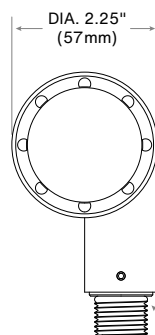
ZXL16-0R1SC with CGSL



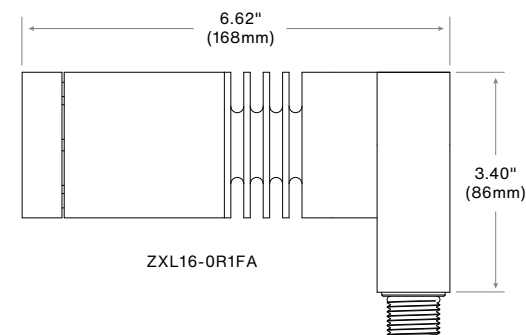
ZXL16-0R1SC with CGSA



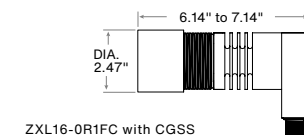
### ZXL16-0R1F



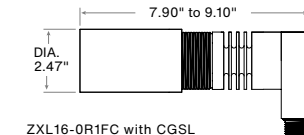
1/2"-14 NPS  
Male Fitting



ZXL16-0R1FA



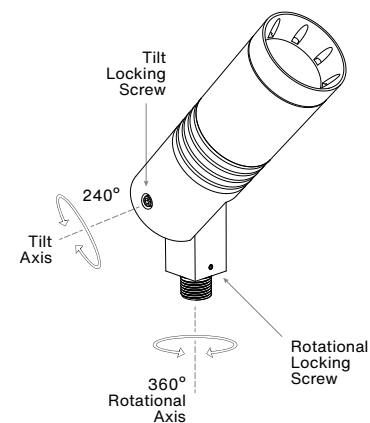
ZXL16-0R1FC with CGSS



ZXL16-0R1FC with CGSL

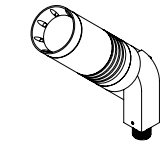


ZXL16-0R1FC with CGSA



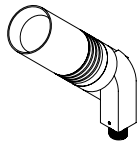
## OPTIONS & ACCESSORIES

### HOOD OPTIONS



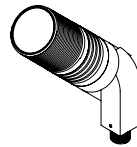
#### A HOOD

Versatile hood with 8 weep holes for water drainage. Regressed lens for glare control. Suggested for general use or when fixture is aimed in an up position.



#### B HOOD

Similar to A hood but without weep holes. Regressed lens for glare control. Suggested for downlighting and interior applications.

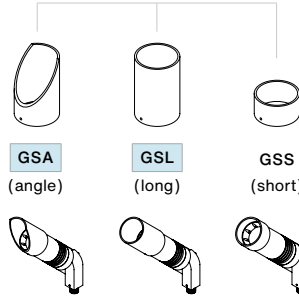


#### C HOOD

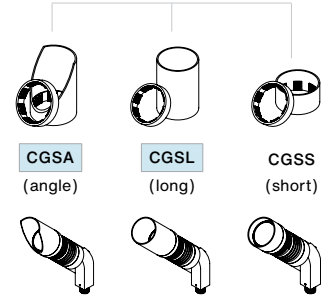
Designed for permanent use with a glare shield and innovative drainage design for water and debris. The machined threads enable ongoing glare shield adjustment, without impact to the paint surface.

### OPTIONAL GLARE SHIELD

For use with A & B Hood, fastened with Set Screw

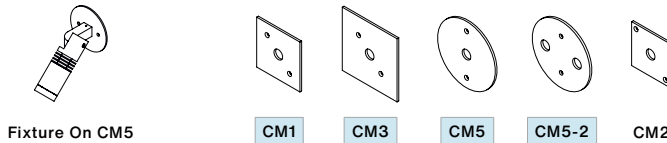


For use with C Hood fastened with Locking Ring

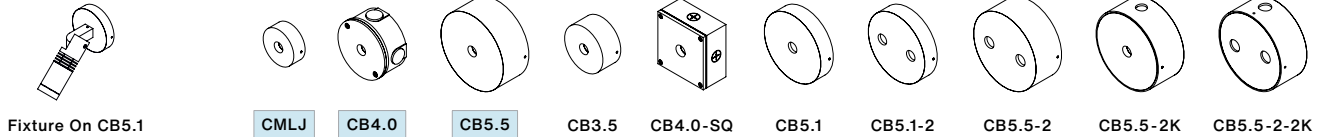


### MOUNTING ACCESSORIES

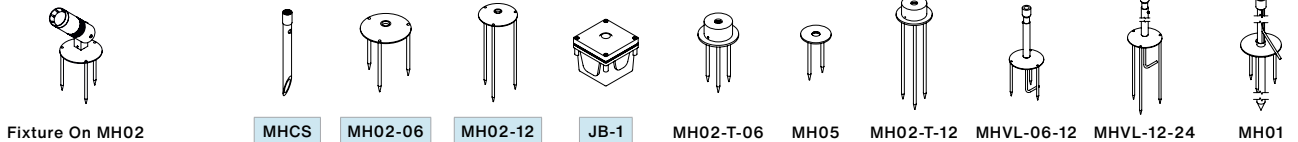
#### Canopy Mount:



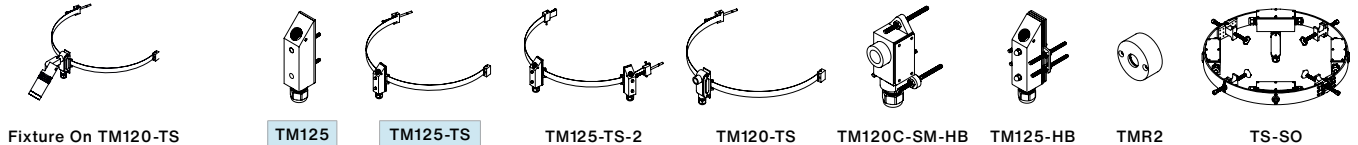
#### Surface Mount Box:



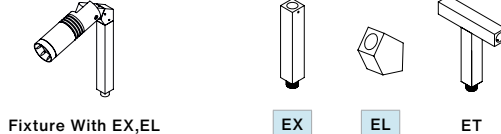
#### Ground Mount:



#### Tree Mount:



#### Extension:



**Sign Light Arm:** Please reference the Sign & Pole Mounting section in [Accessories](#) on our website.

Ready-made eligible configurations ship in 2 to 4 weeks.

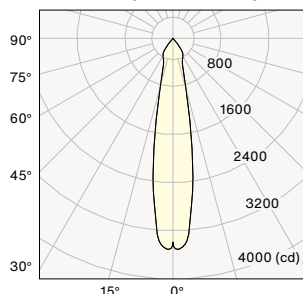
#### Notes:

## PHOTOMETRY & ENERGY DATA

### ZXL16 (Narrow)

Input Power	9.5W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	83
Beam Angle	20.5°
Max. Candlepower	3507cd
Delivered Lumens	864lm
Efficacy	91lm/W

Polar Graph - Intensity



Cone of Light - Illuminance

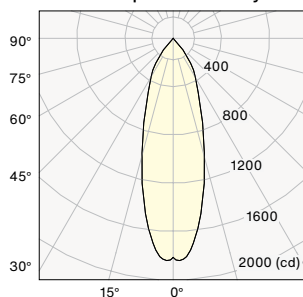
Center Beam (fc)	Beam Diameter	Distance
877	0.7'	2.0'
219	1.4'	4.0'
97	2.2'	6.0'
55	2.9'	8.0'
35	3.6'	10.0'

1/2 Beam Angle: 20.5°

### ZXL16 (Medium)

Input Power	9.5W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	83
Beam Angle	32.5°
Max. Candlepower	1842cd
Delivered Lumens	863lm
Efficacy	91lm/W

Polar Graph - Intensity



Cone of Light - Illuminance

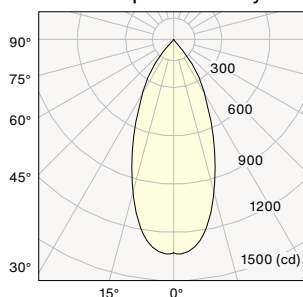
Center Beam (fc)	Beam Diameter	Distance
460	1.2'	2.0'
115	2.3'	4.0'
51	3.5'	6.0'
29	4.6'	8.0'
18	5.8'	10.0'

1/2 Beam Angle: 32.5°

### ZXL16 (Wide)

Input Power	9.5W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	83
Beam Angle	44.1°
Max. Candlepower	1332cd
Delivered Lumens	850lm
Efficacy	89lm/W

Polar Graph - Intensity



Cone of Light - Illuminance

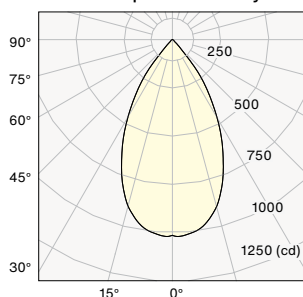
Center Beam (fc)	Beam Diameter	Distance
333	1.6'	2.0'
83	3.2'	4.0'
37	4.9'	6.0'
21	6.5'	8.0'
13	8.1'	10.0'

1/2 Beam Angle: 44.1°

### ZXL16 (Extra Wide)

Input Power	9.5W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	83
Beam Angle	56.9°
Max. Candlepower	1019cd
Delivered Lumens	876lm
Efficacy	92lm/W

Polar Graph - Intensity



Cone of Light - Illuminance

Center Beam (fc)	Beam Diameter	Distance
255	2.3'	2.0'
64	4.6'	4.0'
28	6.9'	6.0'
16	9.2'	8.0'
10	11.5'	10.0'

1/2 Beam Angle: 56.9°

### WATTAGE MULTIPLIER

Wattage	Multiplier
5 Watt	0.53
7 Watt	0.83
10 Watt	1.00

### CCT MULTIPLIER

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