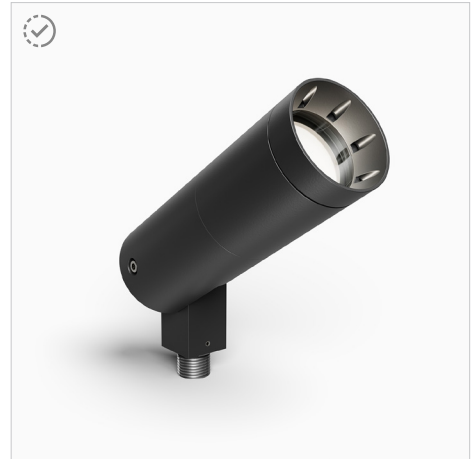


ZXL16

(includes former ZXL16 & ZXL16-NF models)

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



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				
ZXL16	OR1						012V						
ZX16 Series 2.25" Accent Light Integrated HK LED	TYPE	STYLE	HOOD	ABL Aluminum Black	ABR Aluminum Bronze	AWH Aluminum White	VOLTAGE	WATTAGE	CCT		OPTICS		
	OR1 Low Voltage, Round Accent	S Standard F Finned	A A: Weeping B B: No Weep Holes C C: Threaded, Weeping	AAC Aluminum Anodized Clear ¹	NBR Natural Brass ¹	NCU Natural Copper ¹	012V 12V AC	05W 5 Watts (500lm) 07W 7 Watts (700lm) 10W 10 Watts (900lm) SPW Speciality ²	22 2200K 24 2400K 25 2500K 27 2700K 30 3000K 35 3500K 40 4000K AM Amber ² RG RGB ²	N Narrow (20°) M Medium (33°) W Wide (44°) E Extra Wide (57°) CC Custom Optic			

■ Readymade eligible configurations ship in 2 to 4 weeks

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

² 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	OPTIC	MOUNTING (Most common listed, see Page 4 for additional options)
GSA A/B Glare Shield Angled	LVR Hexcel Louver	GROUND MOUNT
GSL A/B Glare Shield Long	OSL Overall Spread Lens	MHCS-06 6" PVC Single Prong Spike (12V)
GSS A/B Glare Shield Short	LSL Linear Spread Lens	MHCS-12 12" PVC Single Prong Spike (12V)
CGSA C Glare Shield Angled	SOL Solite Soft Focus	MH02-06-BRZ 6" Stainless Steel 3-Prong Spike (12V) Bronze
CGSL C Glare Shield Long	DCF Dichroic Filter	MH02-12-BRZ 12" Stainless Steel 3-Prong Spike (12V) Bronze
CGSS C Glare Shield Short		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	OPTIC ACCESSORIES
GSA A/B Glare Shield Angled	LVR-16 Hexcel Louver
GSL A/B Glare Shield Long	OSL-16 Overall Spread Lens
GSS A/B Glare Shield Short	LSL-16 Linear Spread Lens
CGSA C Glare Shield Angled	SOL-16 Solite Soft Focus
CGSL C Glare Shield Long	DCF-16 Dichroic Filter
CGSS C Glare Shield Short	OPK-16 Optic Kit - Narrow, Medium, Wide, Extra Wide

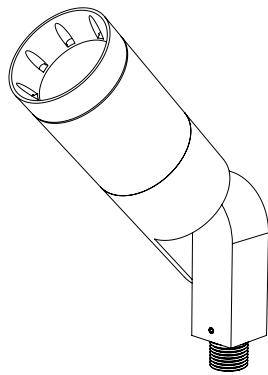
- Consult Accessory Spec Sheet for desired option code.
- XXX represents color option.
- Readymade options available in ABL and ABR only unless noted by the part code above.

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

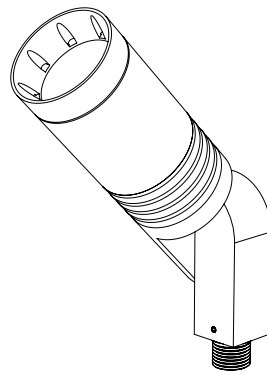
TRANSFORMERS (Go to Accessories for detailed specification)		WATTAGE (VA)				PRIMARY VOLTAGE (VAC)		
TXM	Stainless steel, wet location outdoor magnetic transformer Multitap 12-15VAC Output MLV Dimming	150	300			OTR-SS (120V Only)		
TXS	Stainless steel, wet location outdoor magnetic transformer Multitap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

EXAMPLE: **TXS-150-SS**

PRODUCT DRAWINGS

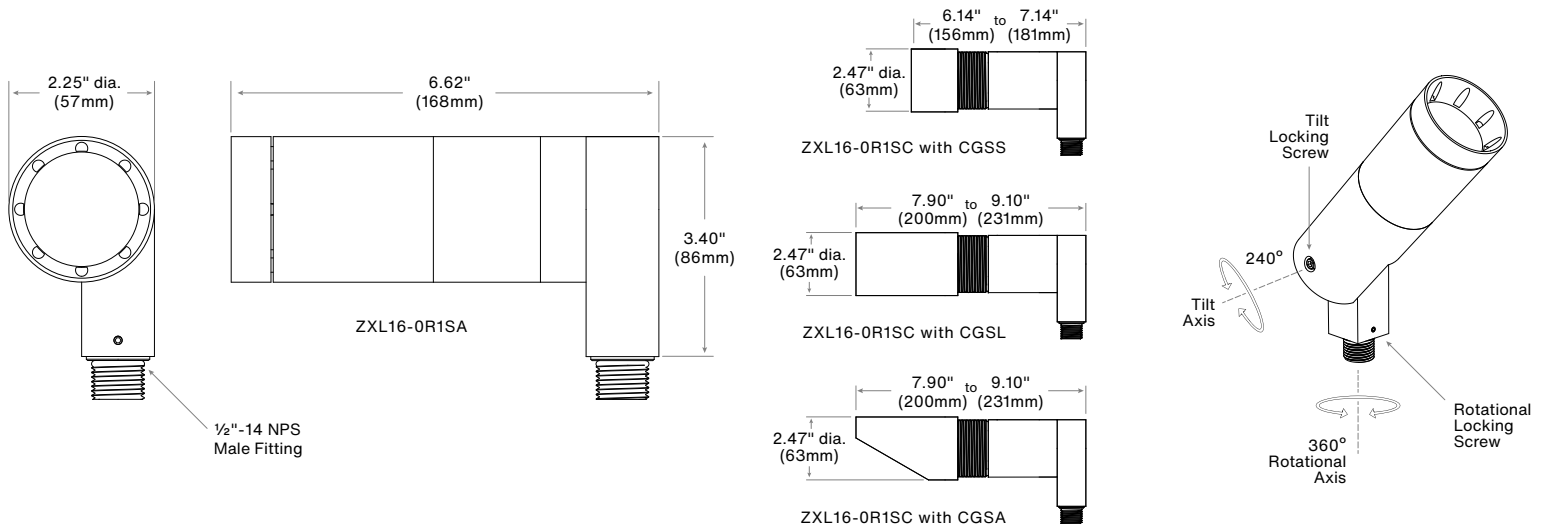


ZXL16-OR1S
Standard

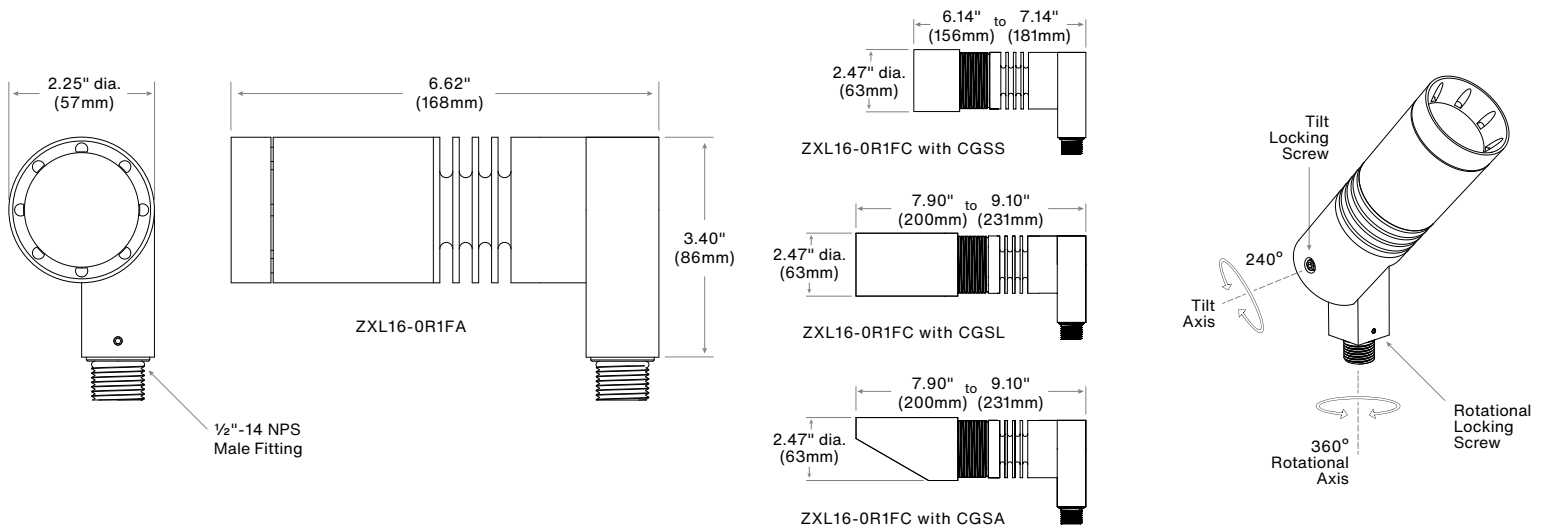


ZXL16-OR1F
Finned

ZXL16-OR1S

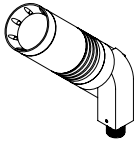


ZXL16-OR1F



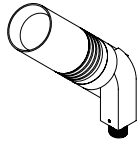
OPTIONS & ACCESSORIES

HOOD OPTIONS



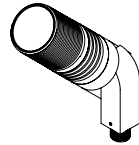
A HOOD

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



GSA
(angle)



GSL
(long)



GSS
(short)



CGSA
(angle)



CGSL
(long)



CGSS
(short)



MOUNTING ACCESSORIES

Canopy Mount:



Fixture On CM5



CM1



CM3



CM5



CM5-2



CM2

Surface Mount Box:



Fixture On CB5.1



CMLJ



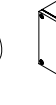
CB4.0



CB5.5



CB3.5



CB4.0-SQ



CB5.1



CB5.1-2



CB5.5-2

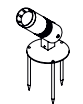


CB5.5-2K

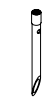


CB5.5-2-2K

Ground Mount:



Fixture On MH02



MHCS



MH02-06



MH02-12



JB-1



MH02-T-06



MH05



MH02-T-12



MHVL-06-12

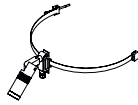


MHVL-12-24

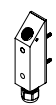


MH01

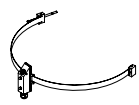
Tree Mount:



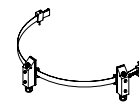
Fixture On TM120-TS



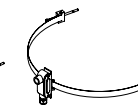
TM125



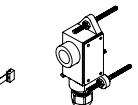
TM125-TS



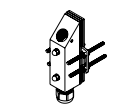
TM125-TS-2



TM120-TS



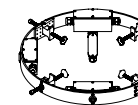
TM120C-SM-HB



TM125-HB

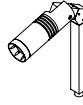


TMR2

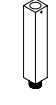


TS-SO

Extension:



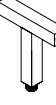
Fixture With EX,EL



EX



EL



ET

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

Readymade eligible configurations ship in 2 to 4 weeks.

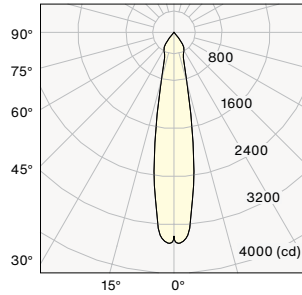
Notes:

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

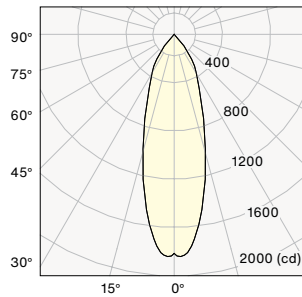
Center Beam (fc)	Beam Diameter	Distance
877	0.7'	2.0'
219	1.4'	4.0'
97	2.2'	6.0'
55	2.9'	8.0'
35	3.6'	10.0'

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

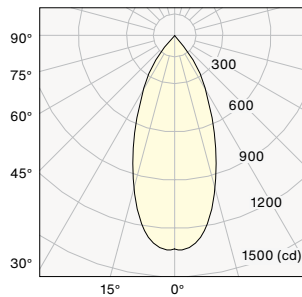
Center Beam (fc)	Beam Diameter	Distance
460	1.2'	2.0'
115	2.3'	4.0'
51	3.5'	6.0'
29	4.6'	8.0'
18	5.8'	10.0'

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

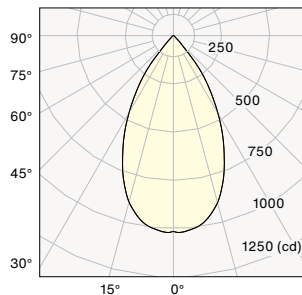
Center Beam (fc)	Beam Diameter	Distance
333	1.6'	2.0'
83	3.2'	4.0'
37	4.9'	6.0'
21	6.5'	8.0'
13	8.1'	10.0'

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