

ZXL16 Center Pivot

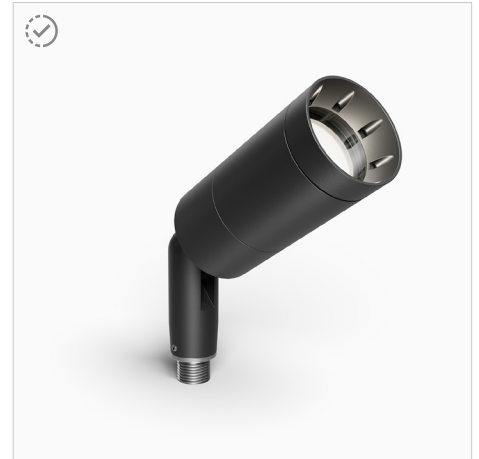
(includes former ZXL16-CPV model)

ACCENT & LANDSCAPE | ZX16 Series | 2.25"

5 - 10W (500 - 900lm) | 12V | HK LED, RGB, Amber



IP67



Low Voltage Center Pivot Accent: ZXL16-0C1SA-ABL

FEATURES

- Our most versatile round, directional 12V LED traditional 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 delivering 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 (57deg) 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 devices. (See page 4 for details).

Listings

ETL Listed for Wet Location, IP 67 Standard. RoHS Compliant.

ORDERING GUIDE

EXAMPLE: **ZXL16-0C1SA-ABL-012V05W-27N-GSA-LVR-MHCS-06**

MODEL	OPTIONS			MATERIAL / FINISH		POWER		LIGHT	
ZXL16	OC1	S				012V			
ZX16 Series 2.25" Accent Light Integrated HK LED	OC1 Low Voltage, Center Pivot Accent	STYLE	HOOD	ABL Aluminum Black		VOLTAGE	WATTAGE	CCT	OPTICS
		S Standard	A A: Weeping	ABR Aluminum Bronze		012V 12V AC	05W 5 Watts (500lm)	22 2200K	N Narrow (20°)
			B B: No Weep Holes	AWH Aluminum White			07W 7 Watts (700lm)	24 2400K	M Medium (33°)
			C C: Threaded, Weeping	AAC Aluminum Anodized Clear ¹			10W 10 Watts (900lm)	25 2500K	W Wide (44°)
				NBR Natural Brass ¹			SPW Specialty ²	27 2700K	E Extra Wide (57°)
				NCU Natural Copper ¹				30 3000K	CC Custom Optic
				NSS Natural Stainless Steel ¹				35 3500K	
				CCC Custom Finish ¹				40 4000K	
								AM Amber ²	
								RG RGB ²	

 Readymade eligible configurations ship in 2 to 4 weeks

¹ Consult factory for specialty finish quoting and lead times

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-RD-12-XXX 12" Round Extension
		EX-RD-24-XXX 24" Round Extension

ADDITIONAL ACCESSORIES (Not installed at time of order)

GLARE SHIELD ACCESSORIES	OPTIC ACCESSORIES
GSL-16-XXX A/B Glare Shield Long	LVR-16 Hexcel Louver
GSA-16-XXX A/B Glare Shield Angled	OSL-16 Overall Spread Lens
GSS-16-XXX A/B Glare Shield Short	LSL-16 Linear Spread Lens
CGSL-16-XXX C Glare Shield Long	SOL-16 Solite Soft Focus
CGSA-16-XXX C Glare Shield Angled	DCF-16 Dichroic Filter
CGSS-16-XXX 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.

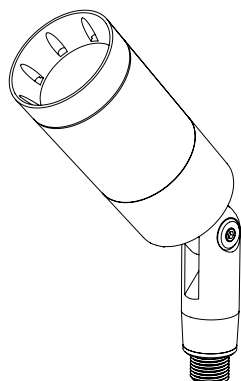
OUTDOOR MAGNETIC TRANSFORMERS (120V input/12VAC Output)

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

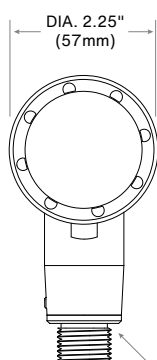
EXAMPLE: **TXS-150-SS**

MODEL	WATTAGE (VA)	PRIMARY VOLTAGE (VAC)
TXM Stainless steel, wet location outdoor magnetic transformer Multitap 12VAC Output MLV Dimming	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 60 100 150 300	120 277
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

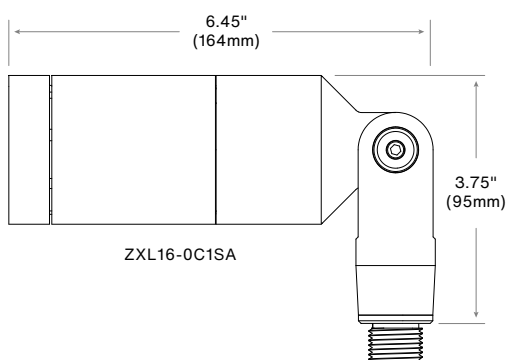
PRODUCT DRAWINGS



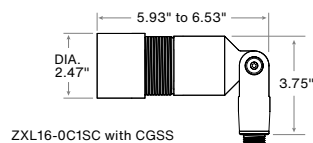
ZXL16-0C1SA



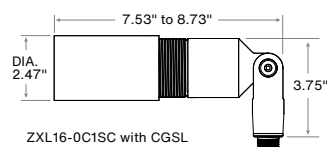
1/2"-14 NPS
Male Fitting



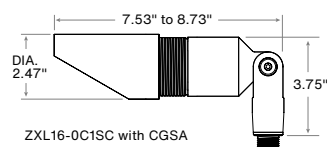
ZXL16-0C1SA



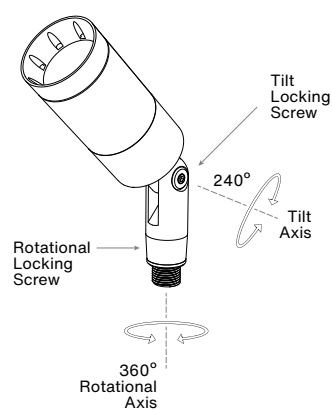
ZXL16-0C1SC with CGSS



ZXL16-0C1SC with CGSL



ZXL16-0C1SC with CGSA



Tilt
Locking
Screw

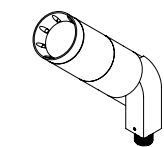
240°
Tilt
Axis

Rotational
Locking
Screw

360°
Rotational
Axis

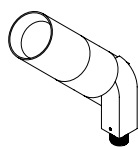
OPTIONS & ACCESSORIES

HOOD OPTIONS



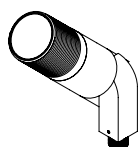
A HOOD

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.

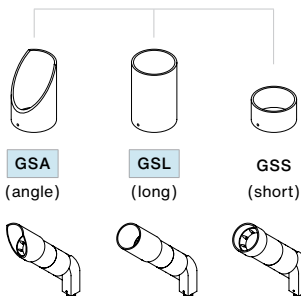


C HOOD

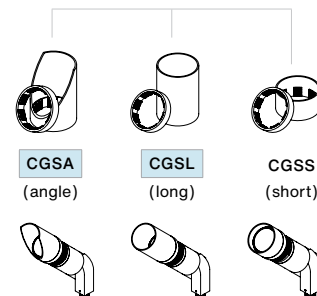
Designed for permanent use with a glare shield and innovative drainage design for water and debris. The machined threads enable ongoing glare shield adjustment, without impact to the paint surface.

OPTIONAL GLARE SHIELD

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



For use with C Hood fastened with Locking Ring

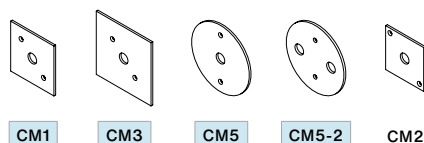


MOUNTING ACCESSORIES

Canopy Mount:



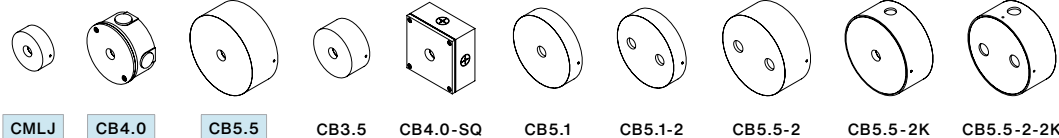
Fixture On CM5



Surface Mount Box:



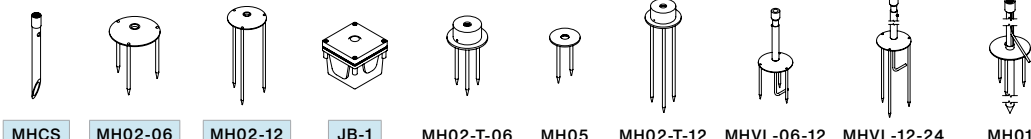
Fixture On CB5.1



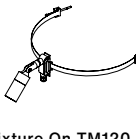
Ground Mount:



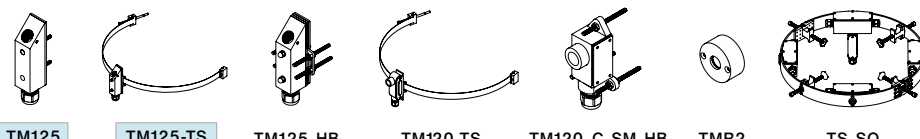
Fixture On MH02



Tree Mount:



Fixture On TM120-TS



Extension:



Fixture With EX-RD



EX-RD

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.

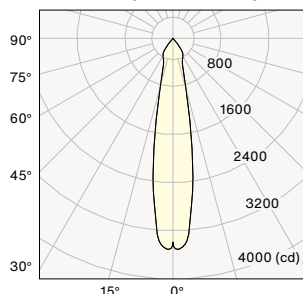
Notes:

PHOTOMETRY & ENERGY DATA

ZXL16 Center Pivot (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

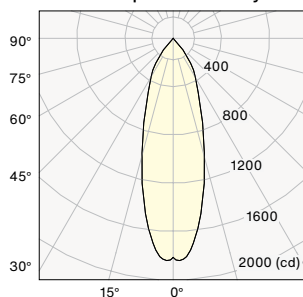
Center Beam (fc)	Beam Diameter	Distance
877	0.7'	2.0'
219	1.4'	4.0'
97	2.2'	6.0'
55	2.9'	8.0'
35	3.6'	10.0'

1/2 Beam Angle: 20.5°

ZXL16 Center Pivot (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

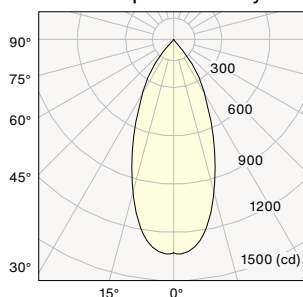
Center Beam (fc)	Beam Diameter	Distance
460	1.2'	2.0'
115	2.3'	4.0'
51	3.5'	6.0'
29	4.6'	8.0'
18	5.8'	10.0'

1/2 Beam Angle: 32.5°

ZXL16 Center Pivot (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

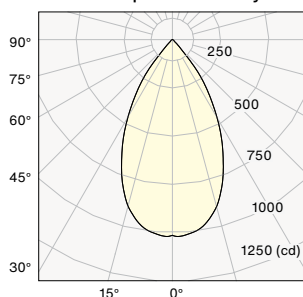
Center Beam (fc)	Beam Diameter	Distance
333	1.6'	2.0'
83	3.2'	4.0'
37	4.9'	6.0'
21	6.5'	8.0'
13	8.1'	10.0'

1/2 Beam Angle: 44.1°

ZXL16 Center Pivot (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	0.77
10 Watt	1.00

CCT MULTIPLIER

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