ZXL16 Center Pivot
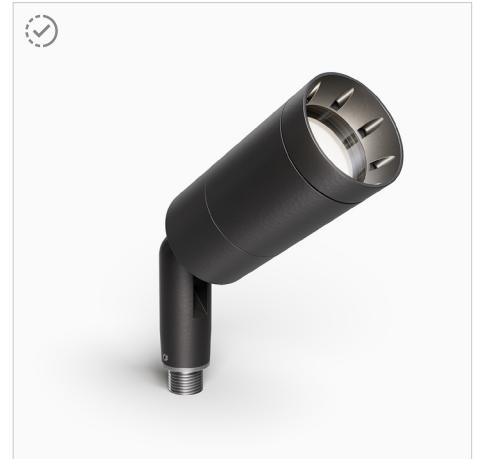
ETL Listed · **IP67**

(includes former ZXL16-CPV model)

ACCENT & LANDSCAPE | ZX16 Series | 2.25"

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

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

FEATURES

· Our most versatile round, directional 12V LED traditional accent light for residential and commercial 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	**0C1**	**S**		**012V**			

MODEL

ZXL16 — ZX16 Series 2.25" Accent Light Integrated HK LED

OPTIONS

0C1	Low Voltage, Center Pivot Accent

STYLE		HOOD	
S	Standard	A	A: Weeping
		B	B: No Weep Holes
		C	C: Threaded, Weeping

MATERIAL / FINISH

ABL	Aluminum Black
ABR	Aluminum Bronze
AWH	Aluminum White
AAC	Aluminum Anodized Clear [1]
NBR	Natural Brass [1]
NCU	Natural Copper [1]
NSS	Natural Stainless Steel [1]
CCC	Custom Finish [1]

POWER

VOLTAGE		WATTAGE	
012V	12V AC	05W	5 Watts (500lm)
		07W	7 Watts (700lm)
		10W	10 Watts (900lm)
		SPW	Specialty [2]

LIGHT

CCT		OPTICS	
22	2200K	N	Narrow (20°)
24	2400K	M	Medium (33°)
25	2500K	W	Wide (44°)
27	2700K	E	Extra Wide (57°)
30	3000K	CC	Custom Optic
35	3500K		
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

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	Dichoic 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

· 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.
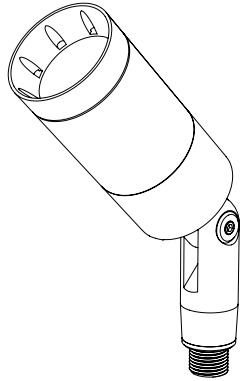
ADDITIONAL ACCESSORIES (Not installed at time of order)

GLARE SHIELD ACCESSORIES

GSL-16-XXX	A/B Glare Shield Long
GSA-16-XXX	A/B Glare Shield Angled
GSS-16-XXX	A/B Glare Shield Short
CGSL-16-XXX	C Glare Shield Long
CGSA-16-XXX	C Glare Shield Angled
CGSS-16-XXX	C Glare Shield Short

OPTIC ACCESSORIES

LVR-16	Hexcel Louver
OSL-16	Overall Spread Lens
LSL-16	Linear Spread Lens
SOL-16	Solite Soft Focus
DCF-16	Dichoic Filter
OPK-16	Optic Kit - Narrow, Medium, Wide, Extra Wide

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

TRANSFORMERS (Go to Accessories for detailed specification)

EXAMPLE: **TXM-20-120**
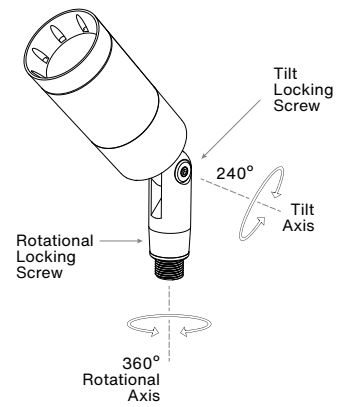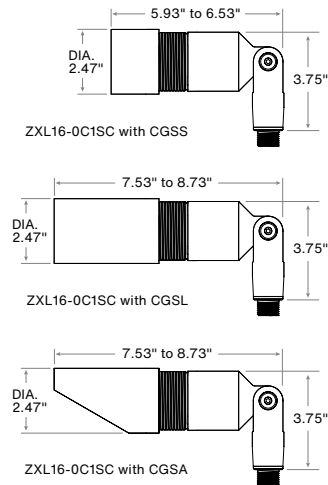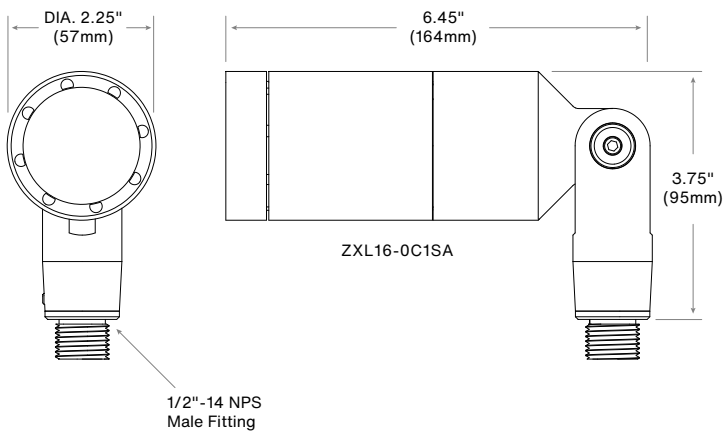
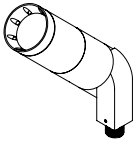|	MODEL	WATTAGE (VA)	PRIMARY VOLTAGE (VAC)
TXM	Compact, damp location magnetic transformer 12VAC Output	MLV Dimming	20, 40, 60, 100, 150, 300	120, 277
TXM	Stainless steel, wet location outdoor magnetic transformer with integrated light sensor Multitap	12VAC Output	MLV Dimming	300	OTR-SS (120V Only)
TXS	Stainless steel, wet location outdoor magnetic transformer Multitap	12VAC Output	MLV Dimming	150, 300, 600	-SS (120V Only)
IGT	In-grade 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, 230, 277

HK LIGHTING

PRODUCT DRAWINGS

ZXL16-0C1SA

DIA. 2.25"
(57mm)

6.45"
(164mm)

3.75"
(95mm)

ZXL16-0C1SA

1/2"-14 NPS
Male Fitting

5.93" to 6.53"

DIA.
2.47"

3.75"

ZXL16-0C1SC with CGSS

7.53" to 8.73"

DIA.
2.47"

3.75"

ZXL16-0C1SC with CGSL

7.53" to 8.73"

DIA.
2.47"

3.75"

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.
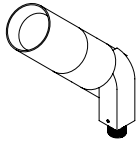
B-HOOD
Similar to A hood but without weep holes. Regressed lens for glare control. Used in an interior or down light application.
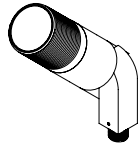
C-HOOD
Flush hood with machined threading on the outside for attachment of C-style glare shield, cleverly designed with hidden drainage channels.

OPTIONAL GLARE SHIELD

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

GSA (angle) GSL (long) GSS (short)
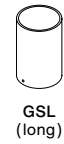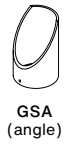
For use with C Hood fastened with Locking Ring

CGSA (angle) CGSL (long) CGSS (short)

MOUNTING ACCESSORIES

Canopy Plate:

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

Surface Mount Box:
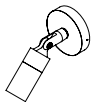
Fixture On CB5.1 | CMLJ | CB3.5 | CB4.0 | CB4.0-SQ | CB5.1 | CB5.1-2 | CB5.5 | CB5.5-2 | CB5.5-K/O | CB5.5-K/O-2

Ground Mount:

Fixture On MH02 | MHCS | MH02 | MH02-T | MH05 | MH02-12 | MH02-T-12 | MHVL6-12 | MHVL12-24 | MH01 | JB-1
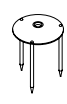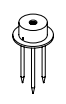
Tree Mount:
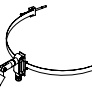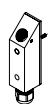
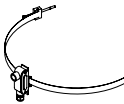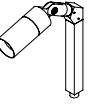Fixture On TM120-TS | TM125 | TM125-TS-2 | TM120-C-SM-HB | TM125-HB | TMR2 | TS-SO | TM120-TS
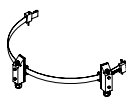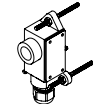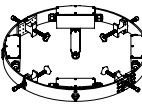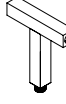
Extension:

Fixture With EX,EL | EX | EL | T-BAR

Sign Light Arm: Please reference the Sign & Pole Mounting section in Accessories on our website.
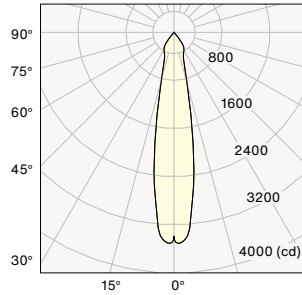
Notes:

PHOTOMETRY & ENERGY DATA

ZXL16-10W-N (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

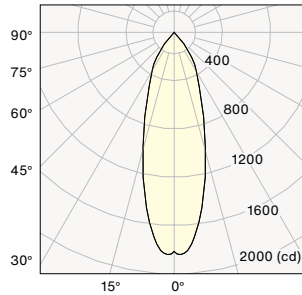Polar Graph - Intensity

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°

ZXL16-10W-M (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
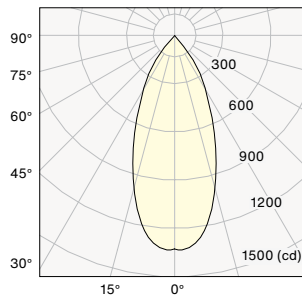

Cone of Light - Illuminance

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°

ZXL16-10W-W (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
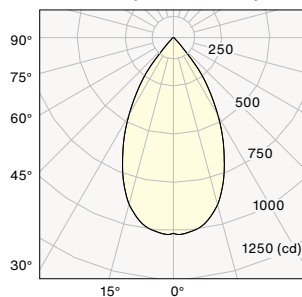

Cone of Light - Illuminance

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°

ZXL16-10W-E (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 MUTIPLIER

Wattage	Multiplier
5 Watt	0.53
8 Watt	0.83
10 Watt	1.00

CCT MULTIPLIER

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