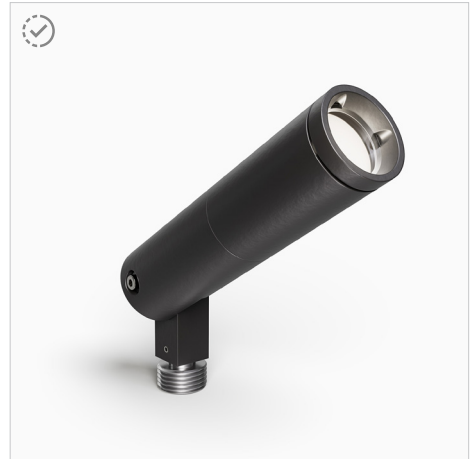# HK LIGHTING

Project Name

Fixture Type

ZXL08

(includes former ZXL08 & ZXL08-NF models)

ACCENT & LANDSCAPE | ZX08 Series | 1.25"

3W (200LM) | 12V | HK LED, Amber

ETL LISTED · INTERTEK · **IP67**

FEATURES

- Our smallest round, directional 12V LED modern accent light for smaller plants, tree mounting, and architecture.

- 3W integrated HK LED delivering 200 lumens. 2200-4000K 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.

- 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.

Standard Low Voltage Round Accent: ZXL08-0R1SA-ABL

Finned Low Voltage Round Accent: ZXL08-0R1FA-AAC

SPECIFICATIONS

Materials
Machined from 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
3W HK LED, delivering 200 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, and Amber options available. Consult factory for specialty LED specification details.

Dimming
MLV or ELV Phase Control dimming.

Optics
Narrow (19°), Medium (26°), and Wide (51°) 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 Group mounting devices. *(See page 4 for details).*

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

HK LIGHTING

ORDERING GUIDE

EXAMPLE: **ZXL08 - 0R1SA - ABL - 012V03W - 27N - GSA - LVR - MHCS-06**

MODEL	PHYSICAL OPTIONS			MATERIAL / FINISH	POWER		LIGHT	
ZXL08	**0R1**	**S**			**012V**			

ZXL08 — ZX08 Series 1.25" Accent Light Integrated HK LED

PHYSICAL OPTIONS

TYPE		STYLE		HOOD	
0R1	Low Voltage, Round Accent	**S**	Standard	**A**	A Style: Weeping
		F	Finned	**B**	B Style: No Weep Holes
				C	C Style: Threaded, Weeping

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). Select SPW (Specialty) for Wattage Consult factory for LED technical details before Specification or Order

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	**03W**	3 Watts (200lm)
	SPW	Specialty [2]

LIGHT

CCT		OPTICS	
22	2200K	**N**	Narrow (19°)
24	2400K	**M**	Medium (26°)
25	2500K	**W**	Wide (51°)
27	2700K	**CC**	Custom Optic
30	3000K		
35	3500K		
40	4000K		
AM	Amber LED [2]		

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.
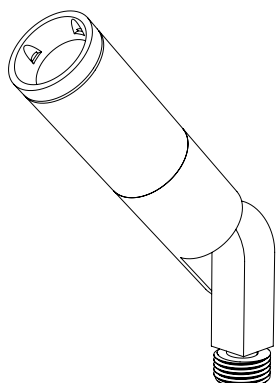
ADDITIONAL ACCESSORIES (Not installed at time of order)

GLARE SHIELD ACCESSORIES

GSL-08-XXX	A/B Glare Shield Long
GSA-08-XXX	A/B Glare Shield Angled
GSS-08-XXX	A/B Glare Shield Short
CGSL-08-XXX	C Glare Shield Long
CGSA-08-XXX	C Glare Shield Angled
CGSS-08-XXX	C Glare Shield Short

OPTIC ACCESSORIES

LVR-08	Hexcel Louver
OSL-08	Overall Spread Lens
LSL-08	Linear Spread Lens
SOL-08	Solite Soft Focus
DCF-08	Dichoic Filter
OPK-08	Optic Kit - Narrow, Medium, Wide

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

TRANSFORMERS (Go to Accessories for detailed specification)

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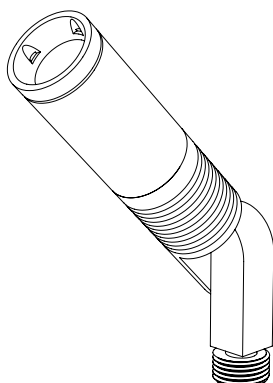
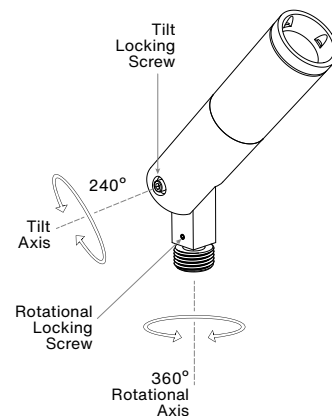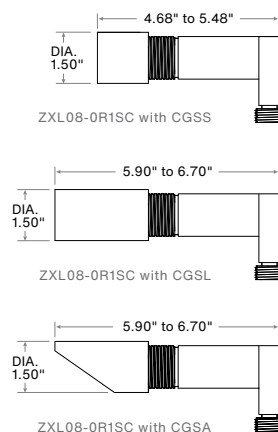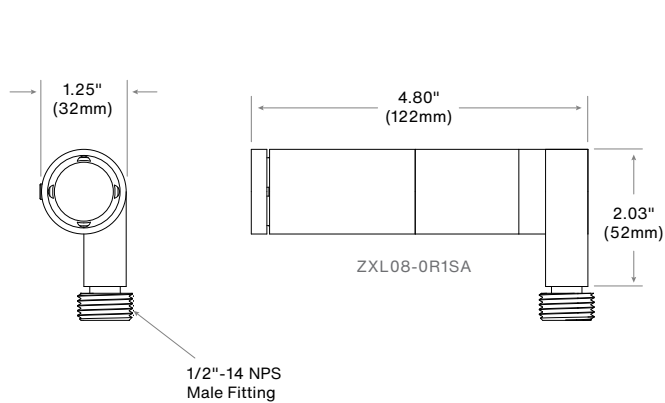|	MODEL	WATTAGE (VA)	PRIMARY VOLTAGE (VAC)
TXM	Compact, damp location magnetic transformer 12VAC Output	MLV Dimming	**20, 40, 60, 100, 150, 300**	120, 277
TXM	Stainless steel, wet location outdoor magnetic transformer with integrated light sensor Multitap	12VAC Output	MLV Dimming	**300**	OTR-SS (120V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

PRODUCT DRAWINGS

ZXL08-OR1S
Standard

ZXL08-0R1F
Finned

ZXL08-0R1S

1.25"
(32mm)

4.80"
(122mm)

2.03"
(52mm)

ZXL08-0R1SA

1/2"-14 NPS
Male Fitting

4.68" to 5.48"
DIA.
1.50"
ZXL08-0R1SC with CGSS

5.90" to 6.70"
DIA.
1.50"
ZXL08-0R1SC with CGSL

5.90" to 6.70"
DIA.
1.50"
ZXL08-0R1SC with CGSA

Tilt
Locking
Screw

240°

Tilt
Axis

Rotational
Locking
Screw

360°
Rotational
Axis

ZXL08-0R1F

1.25"
(32mm)

4.80"
(122mm)

2.03"
(52mm)

ZXL08-0R1FA

1/2"-14 NPS
Male Fitting

4.68" to 5.48"
DIA.
1.50"
ZXL08-0R1FC with CGSS

5.90" to 6.70"
DIA.
1.50"
ZXL08-0R1FC with CGSL

5.90" to 6.70"
DIA.
1.50"
ZXL08-0R1FC with CGSA

Tilt
Locking
Screw

240°

Tilt
Axis

Rotational
Locking
Screw

360°
Rotational
Axis

OPTIONS & ACCESSORIES

HOOD OPTIONS
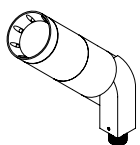
A-HOOD
Versatile hood with 8 weep holes for water drainage. Regressed lens for glare control. Suggested for general use or when fixture is aimed in an up position.
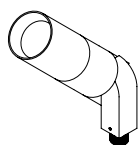
B-HOOD
Similar to A hood but without weep holes. Regressed lens for glare control. Used in an interior or down light application.
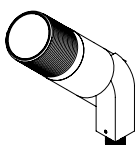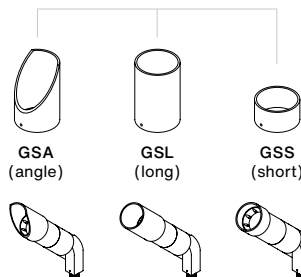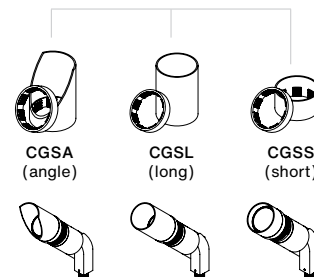
C-HOOD
Flush hood with machined threading on the outside for attachment of C-style glare shield, cleverly designed with hidden drainage channels.

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
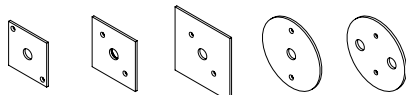
Surface Mount Box:
Fixture On CB5.1 | CMLJ | CB3.5 | CB4.0 | CB4.0-SQ | CB5.1 | CB5.1-2 | CB5.5 | CB5.5-2 | CB5.5-K/O | CB5.5-K/O-2
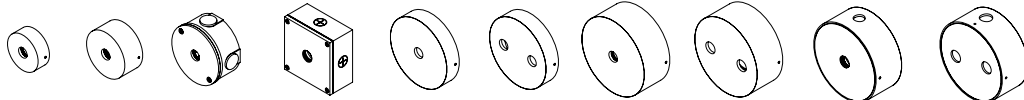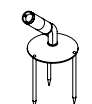
Ground Mount:
Fixture On MH02 | MHCS | MH02 | MH02-T | MH05 | MH02-12 | MH02-T-12 | MHVL6-12 | MHVL12-24 | MH01 | JB-1
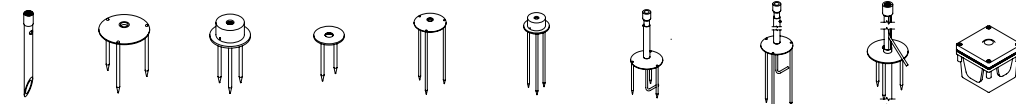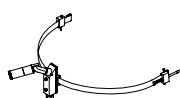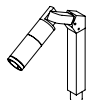
Tree Mount:
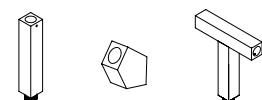Fixture On TM125-TS | TM125 | TM125-TS | TM125-HB | TS-SO
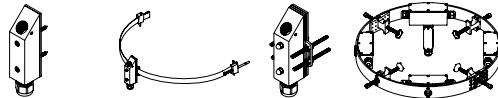
Extension:
Fixture With EX,EL | EX | EL | T-BAR

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

Notes:

HK LIGHTING

PHOTOMETRY & ENERGY DATA

ZXL08-3W-N (Narrow)

Input Power	2.97W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	80
Beam Angle	18.4°
Max. Candlepower	1037cd
Delivered Lumens	171lm
Efficacy	57lm/W

Polar Graph - Intensity
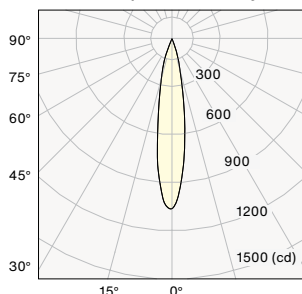
Cone of Light - Illuminance

Center Beam (fc)	Beam Diameter	Distance
259	0.6'	2.0'
65	1.3'	4.0'
29	1.9'	6.0'
16	2.6'	8.0'
10	3.2'	10.0'

1/2 Beam Angle: 18.4°

ZXL08-3W-M (Medium)

Input Power	2.98W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	80
Beam Angle	25.4°
Max. Candlepower	636cd
Delivered Lumens	169lm
Efficacy	56lm/W

Polar Graph - Intensity
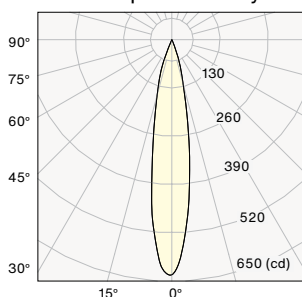
Cone of Light - Illuminance

Center Beam (fc)	Beam Diameter	Distance
159	0.9'	2.0'
40	1.8'	4.0'
17	2.7'	6.0'
10	3.6'	8.0'
6	4.5'	10.0'

1/2 Beam Angle: 25.4°

ZXL08-3W-W (Wide)

Input Power	3.0W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	80
Beam Angle	50.9°
Max. Candlepower	183cd
Delivered Lumens	157lm
Efficacy	53lm/W

Polar Graph - Intensity
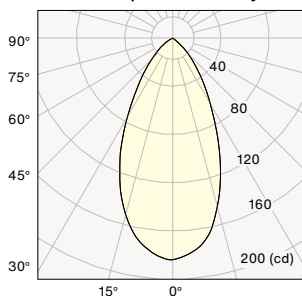
Cone of Light - Illuminance

Center Beam (fc)	Beam Diameter	Distance
46	1.9'	2.0'
11	3.8'	4.0'
5	5.7'	6.0'
3	7.6'	8.0'
2	9.5'	10.0'

1/2 Beam Angle: 50.9°

WATTAGE MUTIPLIER

Wattage	Multiplier
3 Watt	1.00

CCT MULTIPLIER

Color Temp.	Multiplier
2700k	0.96
3000k	1.00
4000k	1.03