HK LIGHTING

ZXL16 Square

(includes former ZXL16-SQ and ZXL16-SQ-NF models)

ETL · IP67

ACCENT & LANDSCAPE | ZX16 Series | 2.25"

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

FEATURES

· Our most versatile square, directional 12V LED modern accent light for most 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.

· 90° 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.

· Ships complete with selected accessories installed.
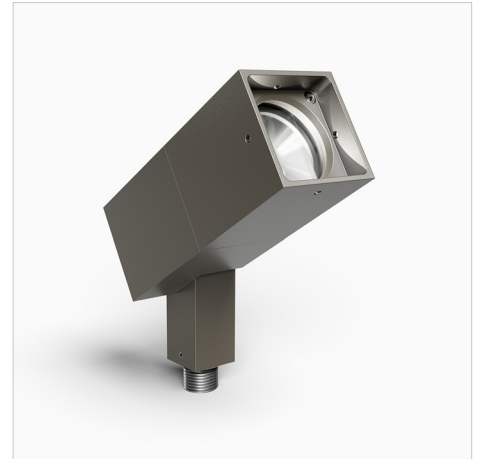
Standard Low Voltage Square Accent: ZXL16-0S1SA-ABR

Finned Low Voltage Square Accent: ZXL16-0S1FA-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 Hood Style with 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°) 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.

ORDERING GUIDE

EXAMPLE: **ZXL16-0S1SA-ABL-012V05W-22N-GSA-LVR-MHCS-06**

MODEL	OPTIONS			MATERIAL / FINISH		POWER			LIGHT			
ZXL16	**0S1**		**A**			**012V**						

MODEL
ZX16 Series
2.25" Accent Light
Integrated HK LED

TYPE		STYLE		HOOD	
0S1	Low Voltage, Square Accent	S	Standard	A	A: Weeping
		F	Finned		

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]		

[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 Hood Glare Shield Angled
GSL	A Hood Glare Shield Long
GSS	A Hood 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

GSL-SQ-16-XXX	A Hood Glare Shield Long
GSA-SQ-16-XXX	A Hood Glare Shield Angled
GSS-16-SQ-XXX	A Hood 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	Dichroic Filter
OPK-16	Optic Kit - Narrow, Medium, Wide

▪ Consult Accessory Spec Sheet for desired option code.
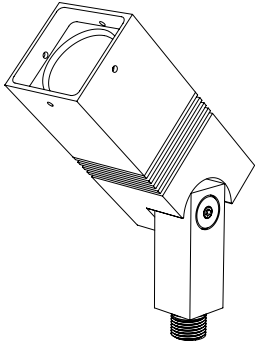
▪ XXX represents color option.

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

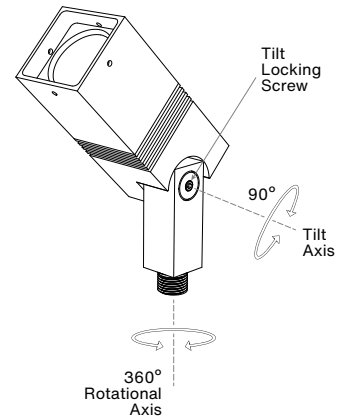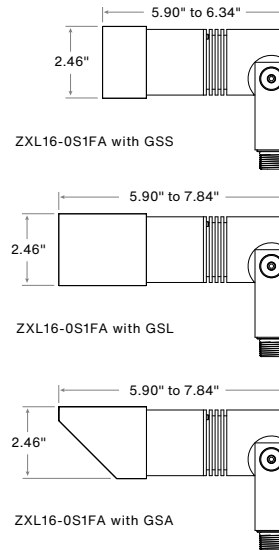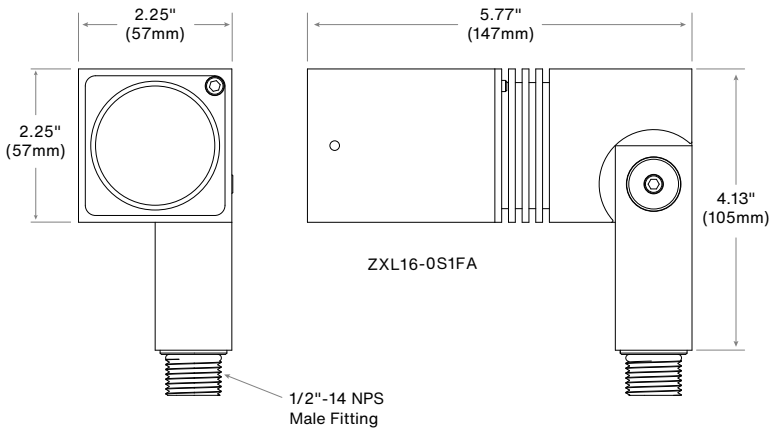**TRANSFORMERS** (Go to Accessories for detailed specification)

EXAMPLE: **TXM-300-OTR-SS**

	MODEL	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	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

ZXL16-0S1FA
Finned

2.25"
(57mm)

2.25"
(57mm)

5.77"
(147mm)

4.13"
(105mm)

ZXL16-0S1FA

1/2"-14 NPS
Male Fitting

5.90" to 6.34"

2.46"

ZXL16-0S1FA with GSS

5.90" to 7.84"

2.46"

ZXL16-0S1FA with GSL

5.90" to 7.84"

2.46"

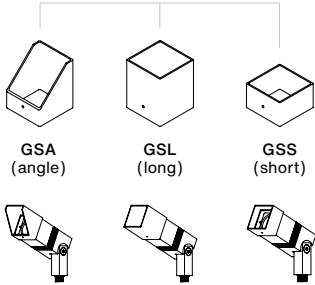ZXL16-0S1FA with GSA

Tilt
Locking
Screw

90°

Tilt
Axis

360°
Rotational
Axis

OPTIONS & ACCESSORIES

OPTIONAL GLARE SHIELD

For use with Square Hood,
fastened with Set Screw

GSA
(angle)

GSL
(long)

GSS
(short)

MOUNTING ACCESSORIES

Canopy Mount:
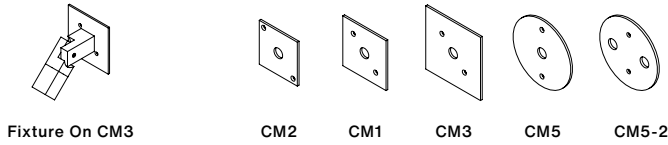
Fixture On CM3

CM2 CM1 CM3 CM5 CM5-2

Surface Mount Box:
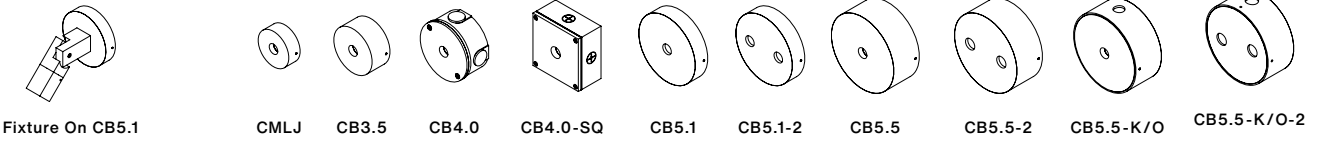
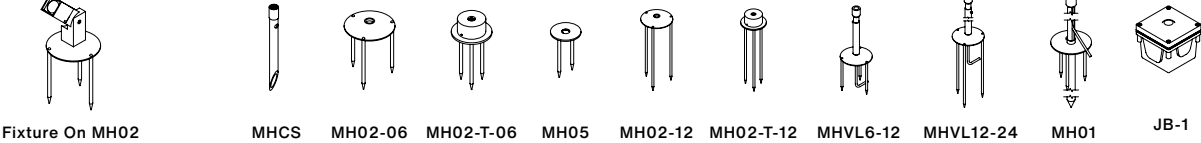Fixture On CB5.1

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:

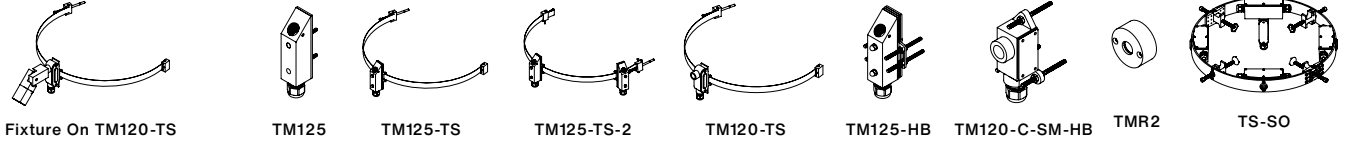Fixture On MH02

MHCS MH02-06 MH02-T-06 MH05 MH02-12 MH02-T-12 MHVL6-12 MHVL12-24 MH01 JB-1

Tree Mount:

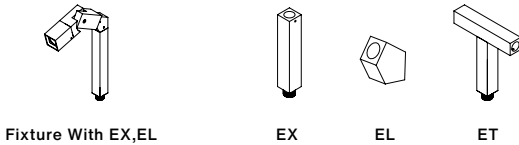Fixture On TM120-TS

TM125 TM125-TS TM125-TS-2 TM120-TS TM125-HB TM120-C-SM-HB TMR2 TS-SO
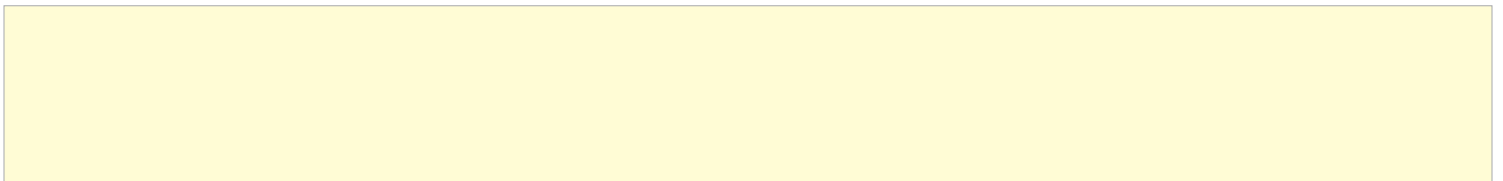
Extension:

Fixture With EX,EL

EX EL ET

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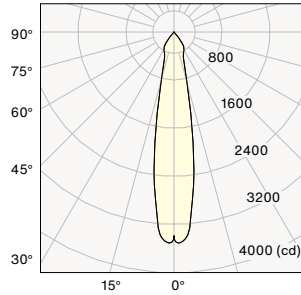
Notes:

PHOTOMETRY & ENERGY DATA

ZXL16 Square (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 Square (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

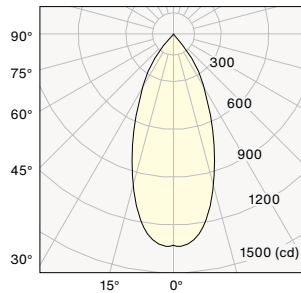Polar Graph - Intensity
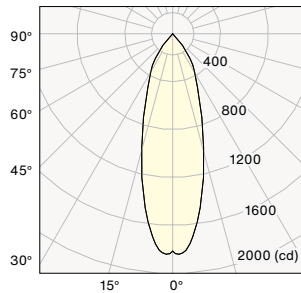
Cone of Light - Illuminance

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 Square (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 Square (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
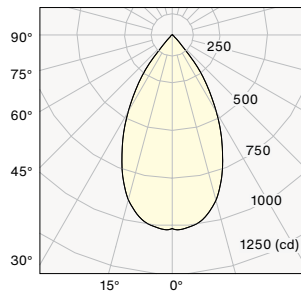
Cone of Light - Illuminance

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