

ZGLA1 Anchor 1"

STEP & IN GROUND | Anchor Series | 1.00" dia.

1.7W (150lm) | 12V | HK LED

Project Name

Fixture Type

FEATURES



- Ultra-compact 1" low voltage (12V) LED fixture for use as a Step, Marker, or In Ground light in architectural outdoor and landscape applications.
- 1.7W integrated HK LED delivering 150 lumens. 2700–4000K CCT.
- Available field-changeable shields, including Standard Direct View, Glare Shield, Top Cover 360° and Top Cover 180°. Top Cover 360°, Top Cover 180° and Path / Wall Wash configurations meet Dark Sky requirements.
- Installs vertically or horizontally in any nominal one-inch drilled hole in soil, decking, masonry, pavers, or concrete.
- Wet Location Listed, IP68 Standard.
- Precision-machined from corrosion-resistant brass. Available finishes include Black and Bronze powdercoat.
- 360° rotation adjustment after installation.
- Included PVC Outer Sleeve simplifies installation in soil or poured concrete.
- 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 360 brass with 316 stainless steel hardware and silicone placement gaskets.

Finish

Superior corrosion-resistant Black or Bronze powdercoat for a robust marine-grade finish.

Optional Shields

Glare, Top Cover 360°, Top Cover 180°, and Path / Wall Wash Shields available.

Voltage

12V AC/DC. Requires remote step down transformer.

Wattage

1.7W HK LED delivers 150 lumens.

Dimming

MLV or ELV Phase Control dimming.

Light Engine

Innovative HK LED light engine. CRI 90 Standard. Standard CCT options are 2700K, 3000K, 3500K, 4000K.

Optics

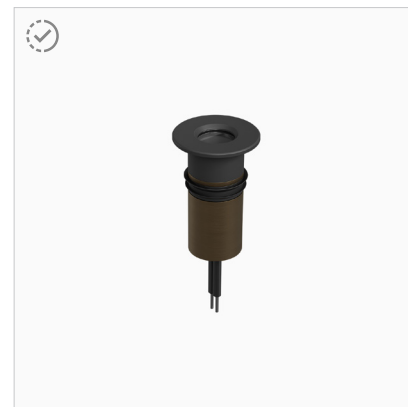
Narrow (20°), Medium (35°), and Wide (60°) beam spread options available for Standard and Glare Shield Styles. Accepts one optical accessory. Top Cover Styles include Shield Optimized optic.

Mounting

Installs in any nominal 1" drilled hole in soil, decking, masonry, pavers, or concrete. Included PVC Outer Sleeve aids installation. (See page 5 for details)

Listings

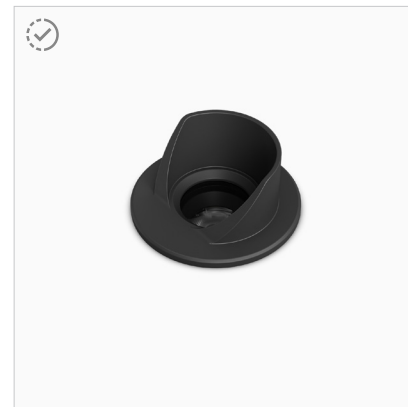
CSA Listed for Wet Location, IP68 Standard. Standard Direct View and Top Cover 180° Shields are drive-over rated. Top Cover 360°, and Top Cover 180° Shields meet Dark Sky requirements. Path / Wall Wash Shield meets Dark Sky requirements when aimed downward. RoHS Compliant.



Standard Low Voltage Brass In Ground LED Light:
ZGLA1-0R1SDV-BBL



ZGLA1-0R1360-BBR with Outer Sleeve



ZGLA1-0R1GLR-BBL installed profile with
Glare Shield

ORDERING GUIDE

EXAMPLE: ZGLA1-OR1GLR-BBL-012V02W-27N-LVR-OS

MODEL	PHYSICAL OPTIONS	MATERIAL / FINISH	POWER	LIGHT
ZGLA1	OR1		012V	
Anchor Series 1" In Ground, Step & Marker Light Integrated HK LED	TYPE	STYLE	VOLTAGE	WATTAGE PER LIGHT
	OR1 Low Voltage, Round Single Light	SDV Standard Direct View ¹	012V 12V AC	02W 1.7 Watts (150lm)
		GLR Glare Shield ¹		
		360 Top Cover 360° ²		
		180 Top Cover 180° ²		
	PWW Path / Wall Wash ²	BBL Black Powder Coated Brass		
		BBR Bronze Powder Coated Brass		
		CCC Custom Finish ³		
				CCT
				OPTICS
				27 2700K N Narrow (20°) ¹
				30 3000K M Medium (35°) ¹
				35 3500K W Wide (60°) ¹
				40 4000K S Shield Optimized, use for 360, 180, PWW Styles ²

■ Readymade eligible configurations ship in 2 to 4 weeks

¹ SDV (Standard Direct View) and GLR (Glare Shield) Styles compatible with user-preferred Optics. Choose V (Very Narrow), N (Narrow), M (Medium), or W (Wide) Light Optic.

² 360 (Top Cover 360°), 180 (Top Cover 180°), and PWW (Path / Wall Wash) Styles compatible with S (Shield Optimized) Optic only. Choose S (Shield Optimized) Optic.

³ Consult factory for specialty finish quoting and lead times.

⁴ Accepts one optical accessory, SDV and GLR configurations only

INSTALLED ACCESSORIES

OPTIC ACCESSORIES (Optional)

LVR	Hexcel Louver ⁴
LSL	Linear Spread Lens ⁴
SOL	Solite Lens ⁴

INSTALLATION ACCESSORIES (Included)

OS	Outer Sleeve, PVC
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ADDITIONAL ACCESSORIES

SHIELD ACCESSORIES (Includes Optimized Optic)

OPTIONAL	
SDV-A1	Standard Direct View
GLR-A1	Glare Shield
360-A1	Top Cover 360° ⁵
180-A1	Top Cover 180° ²
PWW-A1	Path/Wall Wash ²

OPTIC ACCESSORIES

NOT INSTALLED AT TIME OF ORDER	
LVR-A1	Hexcel Louver
LSL-A1	Linear Spread Lens
SOL-A1	Solite Lens
OPK-A1	Optic Kit for ZGLA1 Narrow, Medium, Wide

INSTALLATION ACCESSORIES

OPTIONAL	
OS-A1	Outer Sleeve

⁵ Shield optimized optic included.

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

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

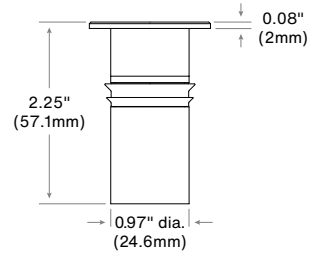
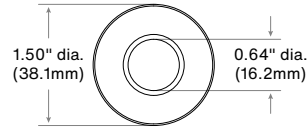
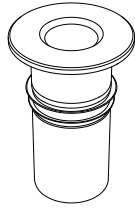
EXAMPLE: TXS-150-SS

MODEL	WATTAGE (VA)	PRIMARY VOLTAGE (VAC)
TXM Stainless steel, wet location outdoor magnetic transformer Multitap 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

PRODUCT DRAWINGS

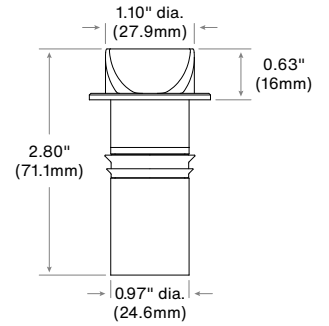
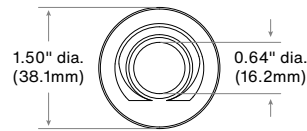
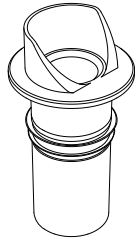
STANDARD DIRECT VIEW

ZGLA1-0R1SDV



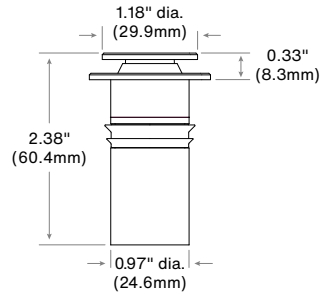
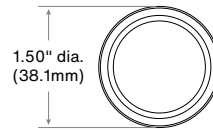
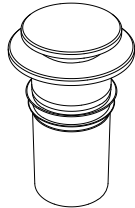
GLARE SHIELD

ZGLA1-0R1GLR



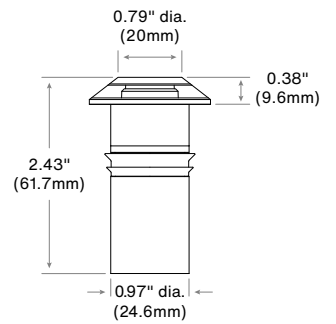
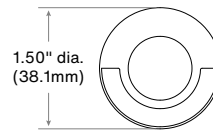
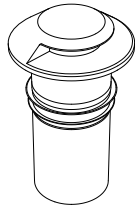
TOP COVER 360°

ZGLA1-0R1360



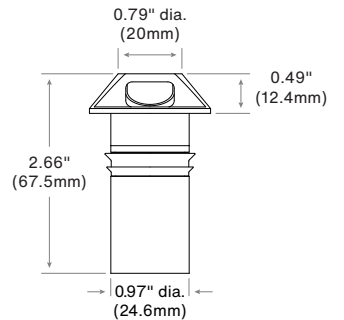
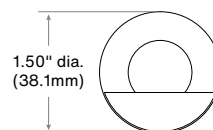
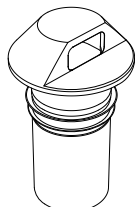
TOP COVER 180°

ZGLA1-0R1180

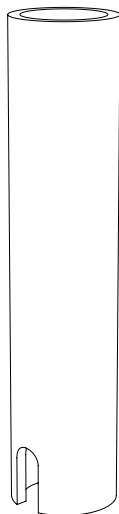


PATH/WALL WASH

ZGLA1-0R1PWW

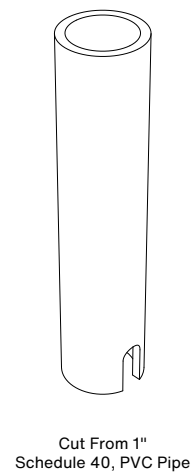
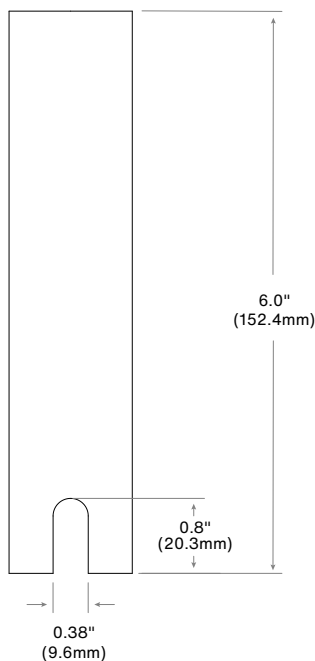
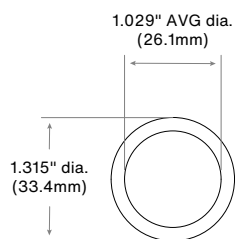


PRODUCT DRAWINGS



OS-A1
PVC Outer Sleeve

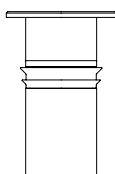
OS-A1



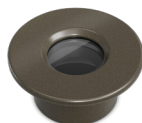
OPTIONS & ACCESSORIES

SHIELD ACCESSORIES

Standard
Direct View:

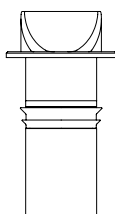


Fixture With SDV

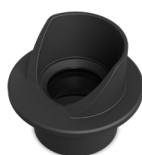


SDV-A1

Glare
Shield:

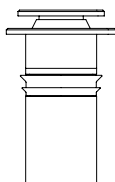


Fixture With GLR



GLR-A1

Top Cover
360°:

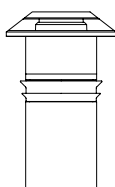


Fixture With 360



360-A1⁷

Top Cover
180°:

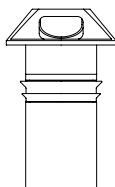


Fixture With 180

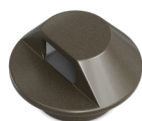


180-A1⁷

Path/
Wall Wash:



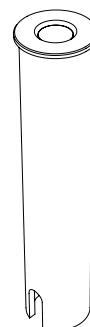
Fixture With PWW



PWW-A1

INSTALLATION ACCESSORIES

Outer
Sleeve:



Fixture With OS



OS-A1

⁷ Readymade eligible configurations ship in 2 to 4 weeks.

⁷ Top Cover Shields ship with included Shield Optimized optic.

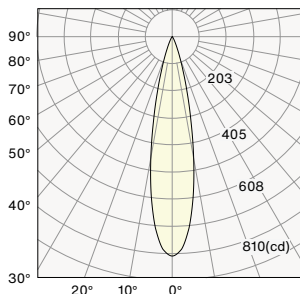
PHOTOMETRY & ENERGY DATA

BASE FIXTURE (No Cover Accessory)

ZGLA1 (Narrow)

Input Power	1.66W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	90+
Beam Angle	21.84°
Max. Candlepower	810 cd
Delivered Lumens	140 lm
Efficacy	84.12 lm/W

Polar Graph - Intensity



Cone of Light - Illuminance

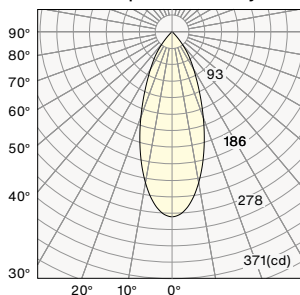
Center Beam (fc)	Beam Diameter	Distance
202.50	0.77'	2.0'
50.63	1.54'	4.0'
22.50	2.31'	6.0'
12.66	3.09'	8.0'
8.10	3.86'	10.0'

1/2 Beam Angle: 21.84°

ZGLA1 (Medium)

Input Power	1.67W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	90+
Beam Angle	33.49°
Max. Candlepower	371 cd
Delivered Lumens	132 lm
Efficacy	79.22 lm/W

Polar Graph - Intensity



Cone of Light - Illuminance

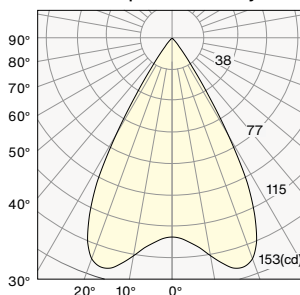
Light Level (fc)	Beam Diameter	Distance
92.75	1.20'	2.0'
23.19	2.41'	4.0'
10.31	3.61'	6.0'
5.80	4.81'	8.0'
3.71	6.02'	10.0'

1/2 Beam Angle: 33.49°

ZGLA1 (Wide)

Input Power	1.67W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	90+
Beam Angle	59.44°
Max. Candlepower	153 cd
Delivered Lumens	131 lm
Efficacy	78.57 lm/W

Polar Graph - Intensity



Cone of Light - Illuminance

Light Level (fc)	Beam Diameter	Distance
31.75	2.28'	2.0'
7.94	4.57'	4.0'
3.53	6.85'	6.0'
1.98	9.13'	8.0'
1.27	11.42'	10.0'

1/2 Beam Angle: 59.44°

Notes:

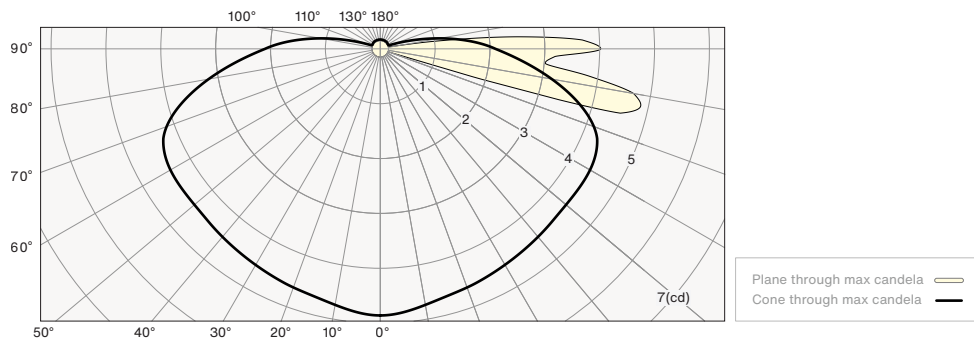
PHOTOMETRY & ENERGY DATA

FIXTURE (with Cover Accessory)

ZGLA1 180

Input Power	1.66W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	90+
Delivered Lumens	6 lm
Efficacy	3.62 lm/W

Peak Intensity Polar Plot

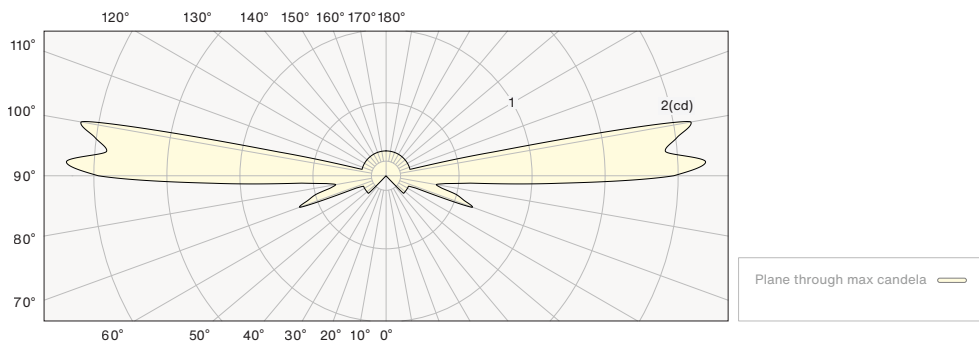


Maximum Candela=4.86 Located at Horizontal Angle=0°, Vertical Angle=77.5°
 #1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
 #2 - Horizontal Cone Through Vertical Angle (77.5) (Through Max. Cd.)

ZGLA1 360

Input Power	1.66W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	90+
Delivered Lumens	5 lm
Efficacy	3.01 lm/W

Peak Intensity Polar Plot

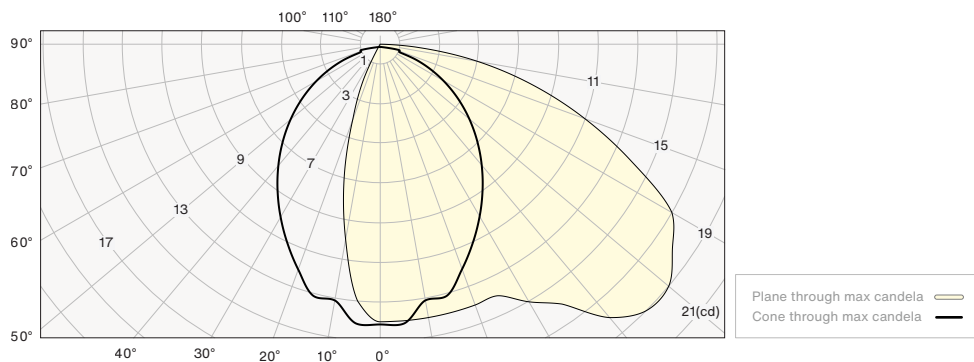


Maximum Candela=2.19 Located At Horizontal Angle=0°, Vertical Angle=9.25°
 #1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)
 #2 - Horizontal Cone Through Vertical Angle (92.5) (Through Max. Cd.)

ZGLA1 PWW

Input Power	1.78W
Color Temperature (CCT)	2987K
Color Rendering Index (Ra)	94.1
Delivered Lumens	32 lm
Efficacy	18.01 lm/W

Peak Intensity Polar Plot



Maximum Candela=19 Located at Horizontal Angle=0°, Vertical Angle=50°
 #1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)
 #2 - Horizontal Cone Through Vertical Angle (50) (Through Max. Cd.)