

ZGLA1 Anchor 1"

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

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

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°, Top Cover 180° and Path/Wall Wash. 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 or bronze powder coat and natural brass patina.
- 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.
- Narrow-band Amber LED available for wildlife and turtle-safe lighting requirements. [Explore wildlife lighting criteria and application guidance.](#)
- 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

Available in corrosion-resistant Black or Bronze powdercoat for a robust marine-grade finish, or marine-grade Natural Brass with a brushed texture and a living patina that develops character over time.

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. Narrow-band Amber LED available for wildlife and turtle-safe lighting requirements. Consult factory for specialty LED details.

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

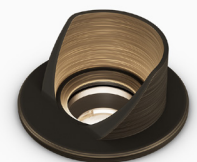
CSA Listed for Wet Location, IP68 Standard. Standard Direct View and Top Cover 180° Shields are drive-over rated. Top Cover 360°, and Top Cover 180° Shields meet Dark Sky requirements. Path/Wall Wash Shield meets Dark Sky requirements when aimed downward. RoHS Compliant.. Narrow-band Amber LED meets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



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



Low Voltage Brass In Ground LED Light - 180°:
ZGLA1-0R1180-BBR with Outer Sleeve



Low Voltage Brass In Ground LED Light - Glare Shield:
ZGLA1-0R1GLR-NBP installed profile



ORDERING GUIDE

EXAMPLE: ZGLA1-0R1GLR-BBL-012V02W-27N-LVR-OS

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

 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)		INSTALLATION ACCESSORIES (Included)	
		OS	
LVR	Hexcel Louver ⁴	OS	Outer Sleeve, PVC
LSL	Linear Spread Lens ⁴		
SOL	Solite Lens ⁴		

ADDITIONAL ACCESSORIES

SHIELD ACCESSORIES (Includes Optimized Optic)		OPTIC ACCESSORIES		INSTALLATION ACCESSORIES	
	OPTIONAL		NOT INSTALLED AT TIME OF ORDER		OPTIONAL
SDV-A1	Standard Direct View	LVR-A1	Hexcel Louver	OS-A1	Outer Sleeve
GLR-A1	Glare Shield	LSL-A1	Linear Spread Lens		
360-A1	Top Cover 360° ⁵	SOL-A1	Solite Lens		
180-A1	Top Cover 180° ⁵	OPK-A1	Optic Kit for ZGLA1 Narrow, Medium, Wide		
PWW-A1	Path / Wall Wash				

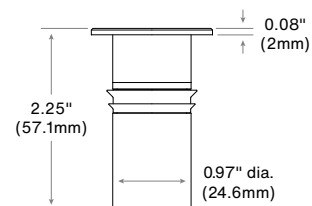
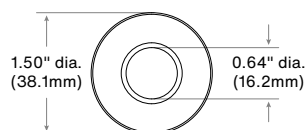
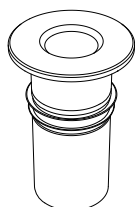
⁵ Shield optimized optic included.

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

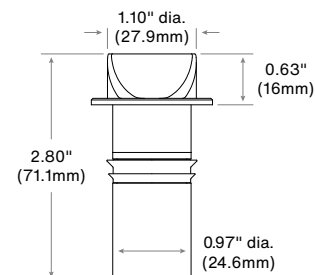
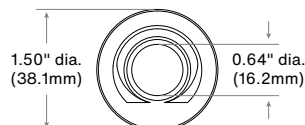
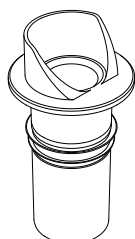
TRANSFORMERS (Go to Accessories for detailed specification)		EXAMPLE: TXS-150-SS	
MODEL		WATTAGE (VA)	PRIMARY VOLTAGE (VAC)
TXM Stainless steel, wet location outdoor magnetic transformer Multitap 12-15VAC Output MLV Dimming		150 300	OTR-SS (120V Only)
TXS Stainless steel, wet location outdoor magnetic 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

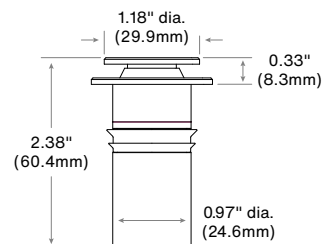
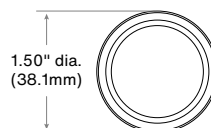
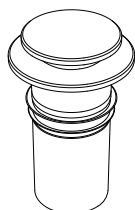
STANDARD DIRECT VIEW
ZGLA1-0R1SDV



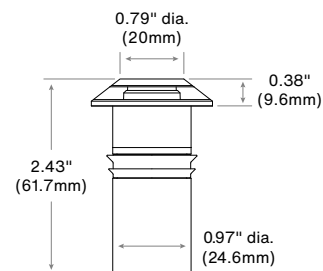
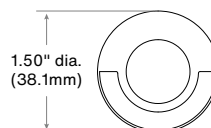
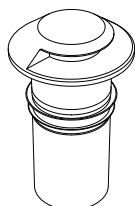
GLARE SHIELD
ZGLA1-0R1GLR



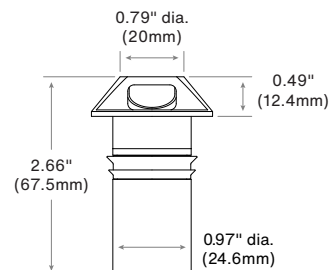
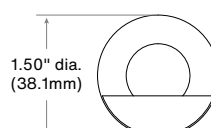
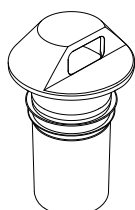
TOP COVER 360°
ZGLA1-0R1360



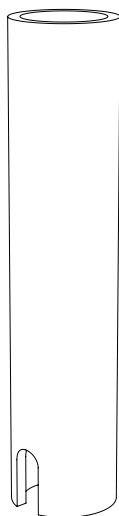
TOP COVER 180°
ZGLA1-0R1180



PATH/WALL WASH
ZGLA1-0R1PWW

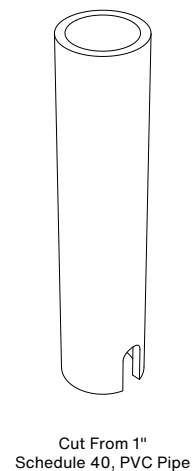
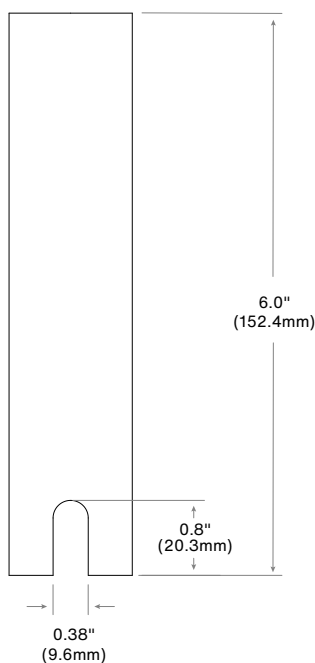
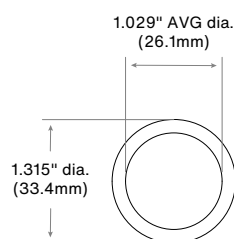


PRODUCT DRAWINGS



OS-A1
PVC Outer Sleeve

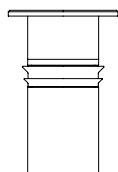
OS-A1



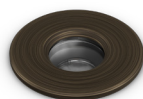
OPTIONS & ACCESSORIES

SHIELD ACCESSORIES

Standard
Direct View:

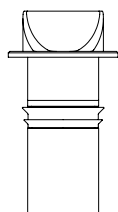


Fixture With SDV

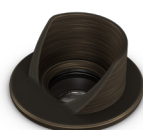


SDV-A1⁷

Glare
Shield:

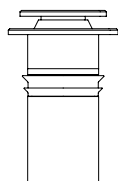


Fixture With GLR

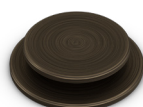


GLR-A1⁷

Top Cover
360°:

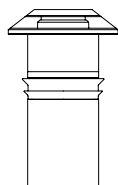


Fixture With 360

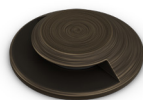


360-A1⁷

Top Cover
180°:

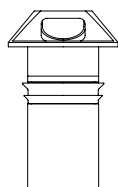


Fixture With 180

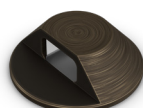


180-A1⁷

Path/
Wall Wash:



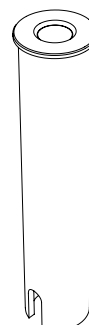
Fixture With PWW



PWW-A1

INSTALLATION ACCESSORIES

Outer
Sleeve:



Fixture With OS

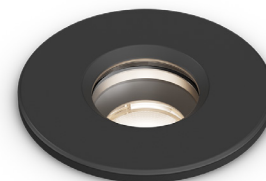


OS-A1

MATERIAL / FINISH

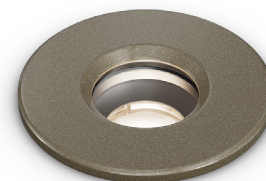
BBL

Black Powder
Coated Brass:



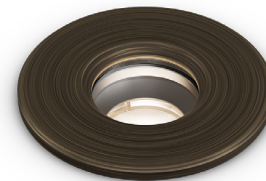
BBR

Bronze Powder
Coated Brass:



NBP

Natural Brass
Patina:



 Readymade eligible configurations ship in 2 to 4 weeks.

⁷Top Cover Shields ship with included Shield Optimized optic.

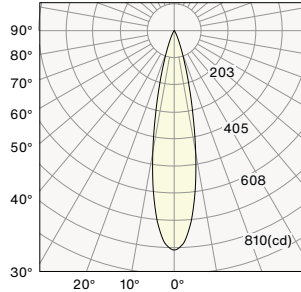
PHOTOMETRY & ENERGY DATA

BASE FIXTURE (No Cover Accessory)

ZGLA1 (Narrow)

Input Power	1.7W
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

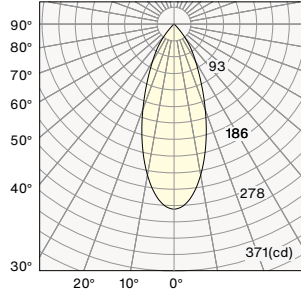
Center Beam (fc)	Beam Diameter	Distance
202.50	0.77'	2.0'
50.63	1.54'	4.0'
22.50	2.31'	6.0'
12.66	3.09'	8.0'
8.10	3.86'	10.0'

1/2 Beam Angle: 21.84°

ZGLA1 (Medium)

Input Power	1.7W
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

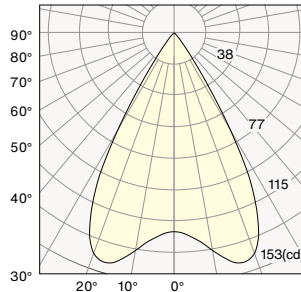
Light Level (fc)	Beam Diameter	Distance
92.75	1.20'	2.0'
23.19	2.41'	4.0'
10.31	3.61'	6.0'
5.80	4.81'	8.0'
3.71	6.02'	10.0'

1/2 Beam Angle: 33.49°

ZGLA1 (Wide)

Input Power	1.7W
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:

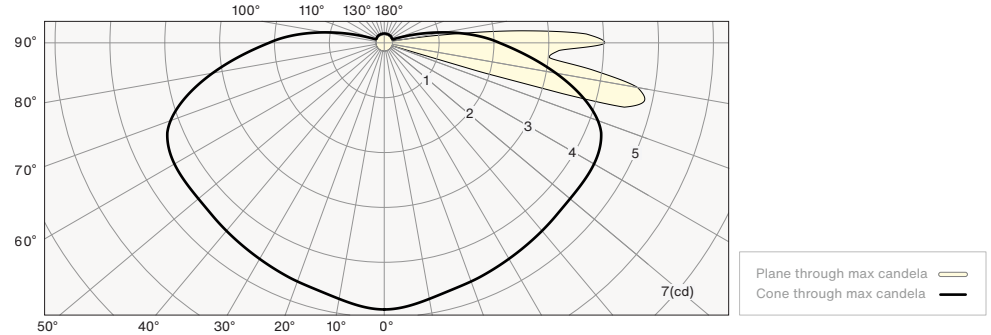
PHOTOMETRY & ENERGY DATA

FIXTURE (with Cover Accessory)

ZGLA1 180

Input Power	1.7W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	90+
Delivered Lumens	6 lm
Efficacy	3.62 lm/W

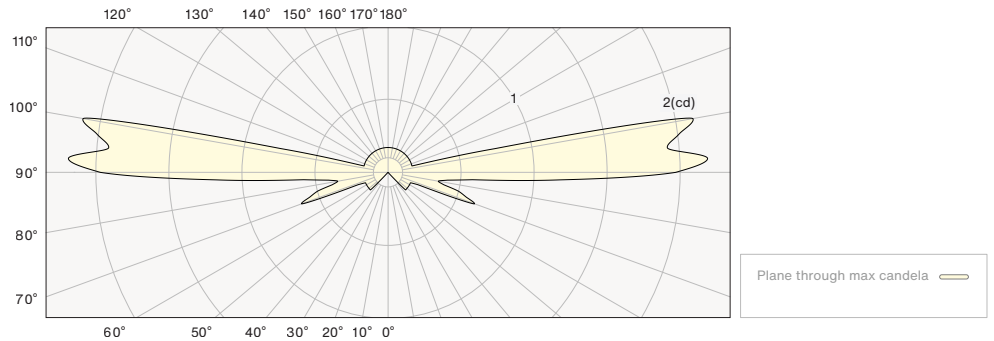
Peak Intensity Polar Plot



ZGLA1 360

Input Power	1.7W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	90+
Delivered Lumens	5 lm
Efficacy	3.01 lm/W

Peak Intensity Polar Plot



ZGLA1 PWV

Input Power	1.7W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	90+
Delivered Lumens	32 lm
Efficacy	18.01 lm/W

Peak Intensity Polar Plot

