ZGLA1 Anchor 1"

STEP & IN GROUND | Anchor Series | 1.00" dia.
1.7W (150 lm) | 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. Not approved for submerged installations, including pools, ponds, fountains, or other water features.
- 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.



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

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.

* IP68 rating applies to ingress protection under specified test conditions. Fixture is not approved for continuous submersion or underwater operation, including submerged installations in pools, ponds, fountains, or other water features

ORDERING GUIDE

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

MODEL	PHYSICAL OPTIONS		MATERIAL / FINISH	POWER		LIGHT	
ZGLA1	**0R1**			**012V**	**02W**		
Anchor Series 1" In Ground, Step & Marker Light Integrated HK LED	**TYPE**	**STYLE**		**VOLTAGE**	**WATTAGE PER LIGHT**	**CCT**	**OPTICS**
	0R1 Low Voltage, Round Single Light	**SDV** Standard Direct View[1] **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 **NBP** Natural Brass Patina	**012V** 12V AC	**02W** 1.7 Watts (150lm)	**27** 2700K **30** 3000K **35** 3500K **40** 4000K **AM** Amber	**N** Narrow (20°)[1] **M** Medium (35°)[1] **W** Wide (60°)[1] **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] Accepts one optical accessory, SDV and GLR configurations only

INSTALLED ACCESSORIES

OPTIC ACCESSORIES (Optional)

LVR	Hexcel Louver[3]
LSL	Linear Spread Lens[3]
SOL	Solite Lens[3]

INSTALLATION ACCESSORIES (Included)

OS	Outer Sleeve, PVC

ADDITIONAL ACCESSORIES

SHIELD ACCESSORIES (Includes Optimized Optic)

OPTIONAL	
SDV-A1	Standard Direct View
GLR-A1	Glare Shield
360-A1	Top Cover 360°[4]
180-A1	Top Cover 180°[4]
PWW-A1	Path / Wall Wash

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

[4] Shield optimized optic included.

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

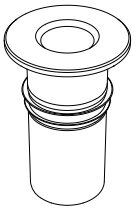
TRANSFORMERS (Go to Accessories for detailed specification)

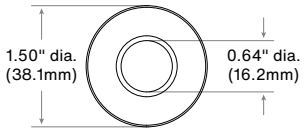
EXAMPLE: **TXS-150-SS**

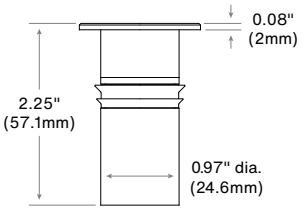
MODEL		WATTAGE (VA)	PRIMARY VOLTAGE (VAC)
TXM	Stainless steel, wet location outdoor magnetic transformer Multitap | 12-15VAC Output | MLV Dimming	**150** **300**	**OTR-SS** (120V Only)
TXS	Stainless steel, wet location outdoor magnetic transformer Multitap | 12VAC Output | MLV Dimming	**150** **300** **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

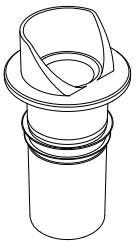
STANDARD DIRECT VIEW
ZGLA1-0R1SDV

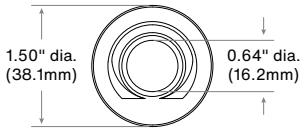


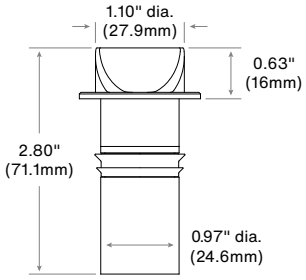




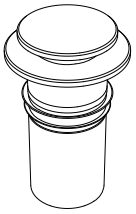
GLARE SHIELD
ZGLA1-0R1GLR

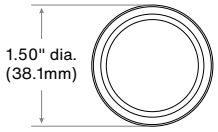


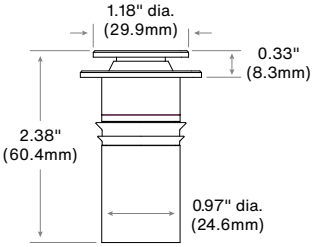




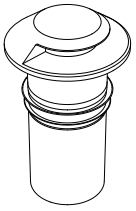
TOP COVER 360°
ZGLA1-0R1360

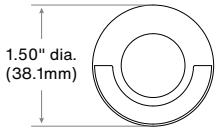


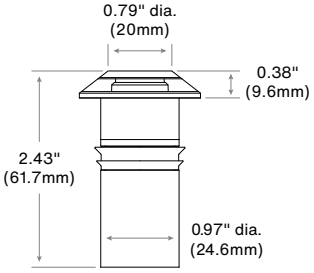




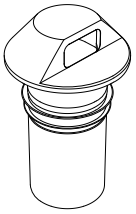
TOP COVER 180°
ZGLA1-0R1180

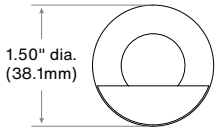


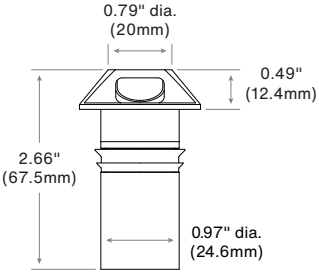




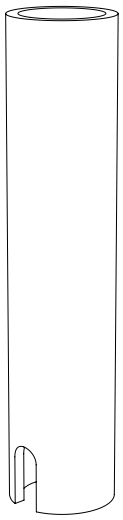
PATH/WALL WASH
ZGLA1-0R1PWW





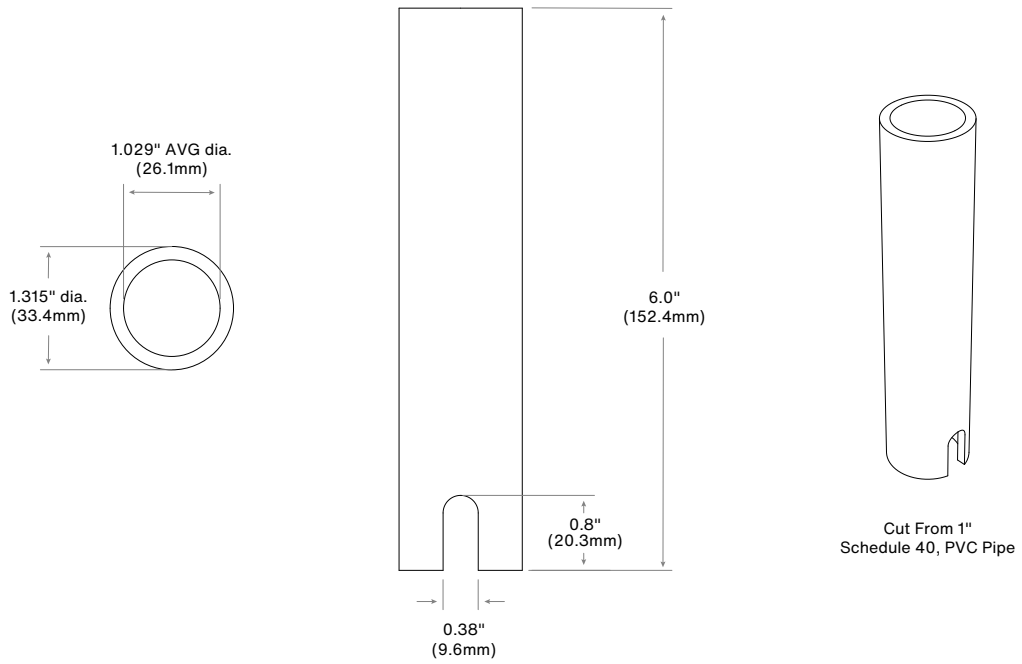


PRODUCT DRAWINGS



OS-A1
PVC Outer Sleeve

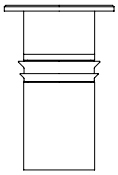
OS-A1



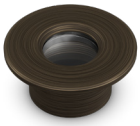
OPTIONS & ACCESSORIES

SHIELD ACCESSORIES

Standard Direct View:

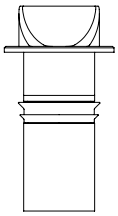


Fixture With SDV



SDV-A1[5]

Glare Shield:

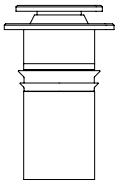


Fixture With GLR



GLR-A1[5]

Top Cover 360°:

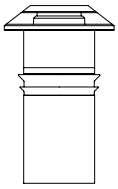


Fixture With 360



360-A1[5]

Top Cover 180°:

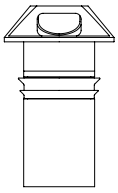


Fixture With 180

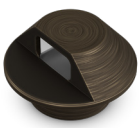


180-A1[5]

Path/ Wall Wash:



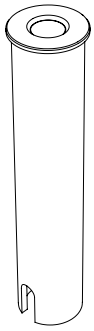
Fixture With PWW



PWW-A1

INSTALLATION ACCESSORIES

Outer Sleeve:



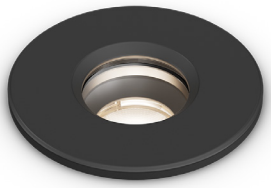
Fixture With OS



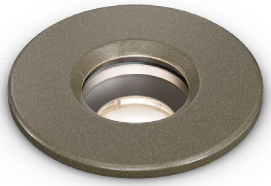
OS-A1

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.

[5]Top Cover Shields ship with included Shield Optimized optic.

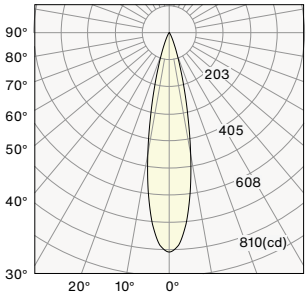
PHOTOMETRY & ENERGY DATA

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

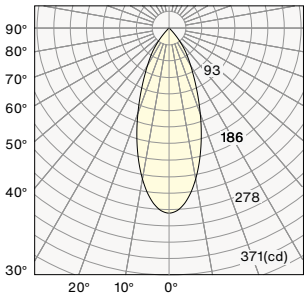
Center Beam (fc)	Beam Diameter	Distance
202.50	0.77'	2.0'
50.63	1.54'	4.0'
22.50	2.31'	6.0'
12.66	3.09'	8.0'
8.10	3.86'	10.0'

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

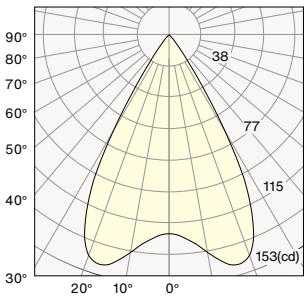
Light Level (fc)	Beam Diameter	Distance
92.75	1.20'	2.0'
23.19	2.41'	4.0'
10.31	3.61'	6.0'
5.80	4.81'	8.0'
3.71	6.02'	10.0'

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:

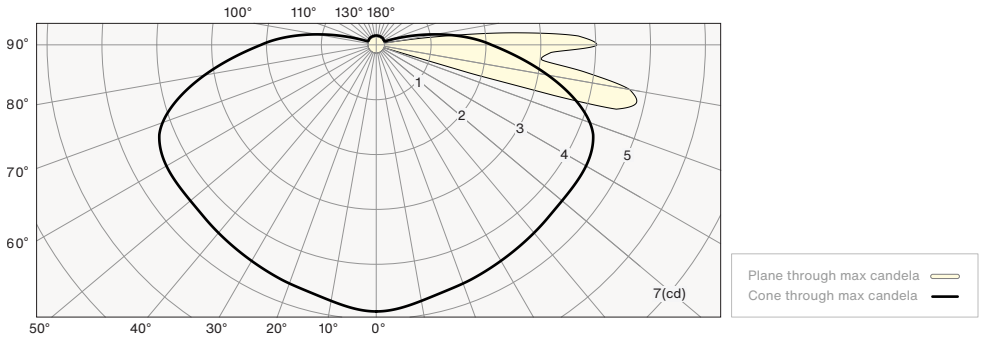
PHOTOMETRY & ENERGY DATA

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

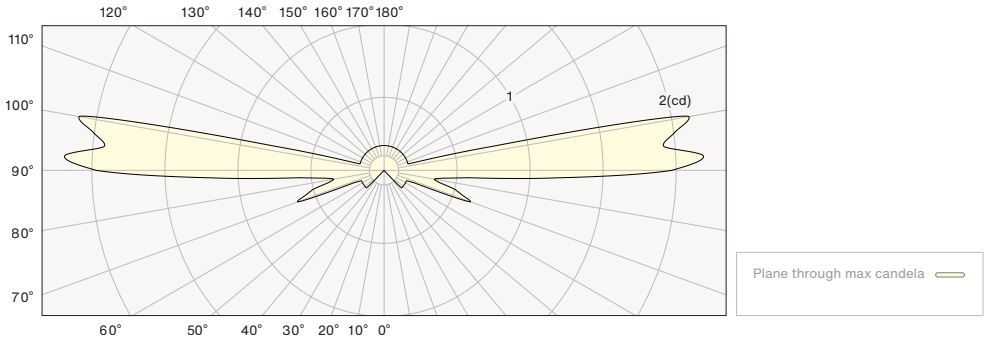


Maximum Candela=4.86 Located at Horizontal Angle=0°, Vertical Angle=77.5°
#1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
#2 - Horizontal Cone Through Vertical Angle (77.5) (Through Max. Cd.)

ZGLA1 360

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

Peak Intensity Polar Plot

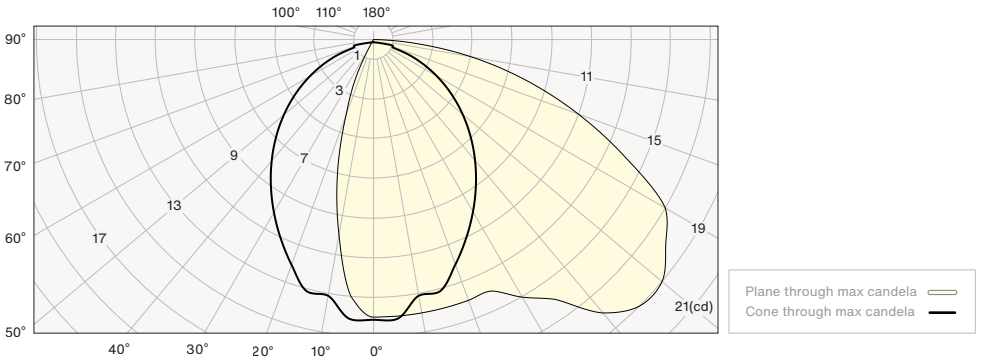


Maximum Candela=2.19 Located At Horizontal Angle=0°, Vertical Angle=9.25°
#1 - Vertical Plane Through Horizontal Angles (0–180) (Through Max. Cd.)
#2 - Horizontal Cone Through Vertical Angle (92.5) (Through Max. Cd.)

ZGLA1 PWW

Input Power	1.7W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	90+
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.)