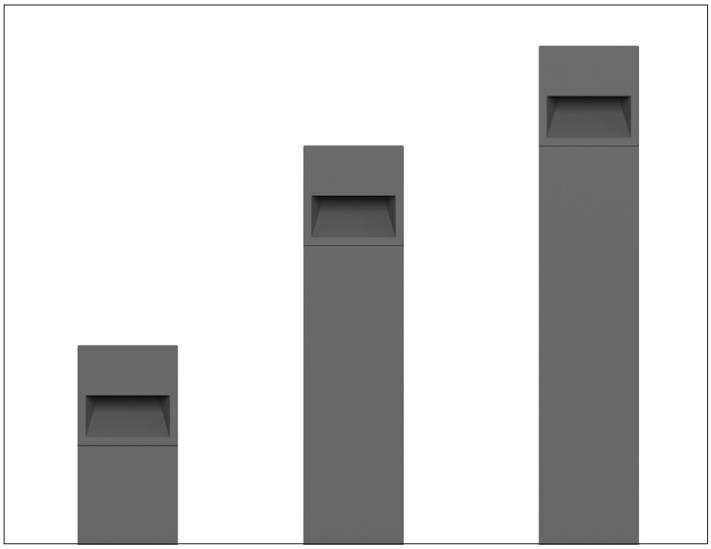
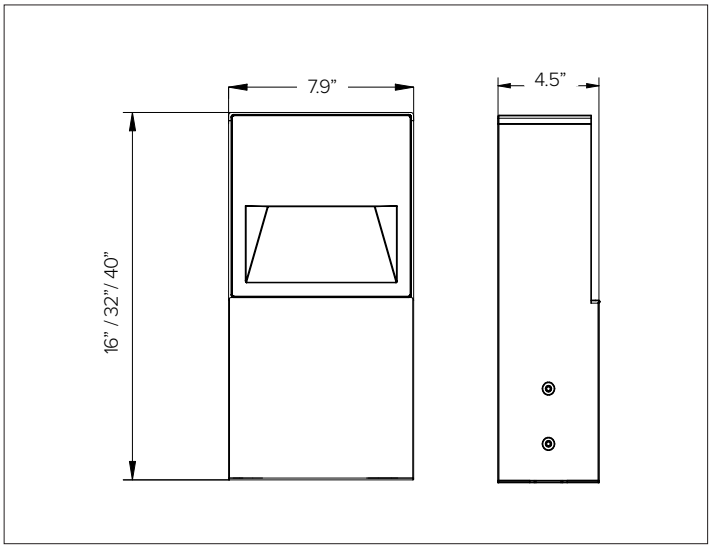
ZEDGE PRO BOLLARD

Small Scale Professional LED Bollard



Shown in Ferrite Dark Grey finish.



Dark Sky · RoHS3 · Marine · IP66 · cULus

CONCEPT

Professional high-performance LED bollard for use in indoor and outdoor applications. *Designed in collaboration with Gensler as Product Design Consultant.*

MECHANICAL CHARACTERISTICS

Housing	7.9”W x 4.5”D
Materials	Powder coated die-cast anodized aluminum fixture body and external frame. Independently sealed optical head and heat sink with anodized powder coated extruded aluminum post. Aesthetically coordinated with no visible hardware between fixture and post. Clean fit seams between fixture and bollard body.
Finish	Textured finish. Ferrite Dark Grey · Heritage Brown · Bronze Black · White · Sandstone Grey
Power Connection	Factory shipped with DSM&T IP68 quick disconnect at fixture and mating 4ft SJOOW 18-6 cable with purple and grey wires for 0-10V.
Mounting	Available with three different post heights - 16in, 32in, 40in. 316L grade stainless steel base and stainless steel anti-theft screws. Optional integral 90 minute emergency battery back at 8W output (14W 57% / 19W 42% / 27W 30%); ambient temperature not to drop below 0°C or exceed 50°C. Optional integral smart PIR motion sensor factory preset to 100% ON fade to 10% output after 30 minutes if no motion is detected, contact factory for custom settings.
Weight	3lbs
BUG	B0-U0-G0 (DP Optic) / B0-U0-G1 (WD Optic) Dark Sky Compliant
Protection	IP66
Impact	IK10

CERTIFICATIONS

cULus Wet Location Listed.
Tested in accordance with LM-79-08.
Compliant for California installations.
RoHS3 EU 215/863

WARRANTY

5 year limited warranty

SUSTAINABILITY

Luminaire designed for disposal/recycling at end-of-life. Replaceable LED light source and control gear by a Targetti technician.

ELECTRICAL CHARACTERISTICS

Power Supply	Integral 4/1 smart driver (Non-Dimmable / 0-10V / Reverse Phase / Forward Phase) to 1% dim range.
Wattage	15W
Voltage	Universal Voltage 120-277V AC 50/60Hz

SOURCE

Two high efficiency LED Chip on Board.

TM30	***CCT (Nominal)***	***CRI***	***Rf***	***Rg***	***SDCM***
	2700K	84	90.9	100.1	3
	3000K	84	90.3	100.4	3
	3500K	84	83.6	96.5	3
	4000K	84	89.8	98.7	3

Ra90 available upon request

OPTIC

The internal optical system is composed of two metalized polycarbonate reflectors coupled to two high reflective anodized aluminum reflectors with holographic filters. Regressed silk-screen extra clear glass lens. Available in three different versions: DP – fixed deep beam, WD – fixed wide beam, AD – adjustable between DEEP to WIDE distributions.

Beam		***DP 44° x 53°***	***WD 32° x 105°***
Delivered Lumens	***2700K***	693Lm	465Lm
	3000K	728Lm	488Lm
	3500K	731Lm	479Lm
	4000K	747Lm	501Lm

Efficacy	52Lm/W max. Refer to photometric graphs for specific values.
Lifetime	L91/B10 30,000hrs at max TA +25°C L88/B10 50,000hrs at max TA +25°C
Photobiological Classification	Low risk photobiological safety RG1

ZEDGE PRO BOLLARD

SPECIFICATION INFORMATION

ZPB							/	/	
1	2	3	4	5	6	7	8	9	10
							OPTIONAL	REQUIRED	

Ex: ZPB4116DPL330FE / 1US34501 / 1US2530

1 - PRODUCT CODE	2 - DRIVER	3 - HEIGHT	4 - DISTRIBUTION	5 - WATTAGE	6 - KELVIN	7 - FINISH
ZPB — ZEDGE PRO BOLLARD	**41** — 4/1 Smart Dimming *(Non-Dimming / 0-10V / Reverse Phase / Forward Phase)*	**16** – 16” **32** – 32” **40** – 40”	**DP** – Deep **WD** – Wide **AD** – Adjustable	**L3** – 15W	**27** — 2700K **30** — 3000K **35** — 3500K **40** — 4000K	**FE** — Ferrite Dark Grey **HB** — Heritage Brown **BZ** — Bronze **WT** — White Textured **BT** — Black Textured **SG** — Sandstone Grey **RAL** — Custom RAL

8 - OPTIONAL	9 - MOUNTING	10 - INSTALLATION
— — Blank no option **EM**[1] — Emergency Battery Pack **MS** [B] — Motion Sensor **MG** [A] — Marine Grade	Ground Anchor Base *See section for details* Plate for Surface Installation *See section for details*	J-Box with sleeve *See section for details*

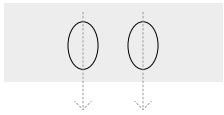
[B] Not compatible with 16in version.
[A] Marine Grade is recommended for use in environments with occasional exposure to salt air, reclaimed water, fertilizers, chemical cleaners, or frequent pressure washing (steam) cleaning. Fixture housing complete with marine grade cataphoresis suitable for use in marine grade environments. Not to be in direct contact with salt or corrosive agents for extended periods of time.

OPTIC VERSIONS

ZEDGE PRO has a unique optical system composed of two independent beams that can configured in different ways to create multiple effects. A DEEP version for deep lighting, a WIDE version for greater uniformity of the light in a longitudinal direction and an ADJUSTABLE version where the optical system is positioned on a special bezel that makes it possible to achieve the two most extreme configurations Deep and Wide, as well as all the points in between depending on different needs. A true pathway luminaire!

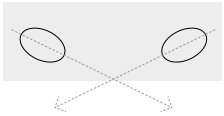
(DP) DEEP

For deep lighting of horizontal surfaces where the priority is to light open spaces or wide pathways.



(WD) WIDE

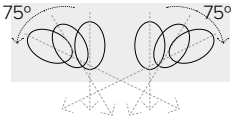
For lighting where illuminance uniformity is essential, long walkways with wide spacing between fixtures.

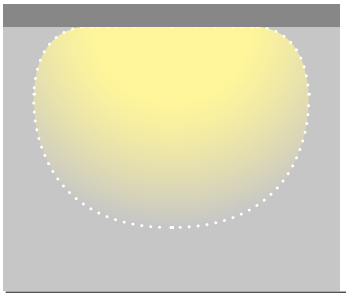


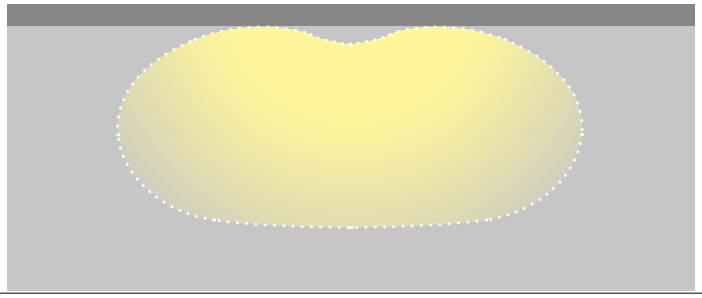
(AD) ADJUSTABLE

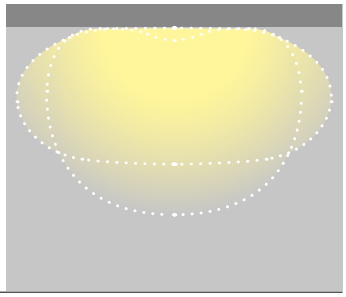
Why be limited to just one optic?

The adjustable optic fluidly adjusts between DEEP to a WIDE to precisely achieve the desired illumination effect.



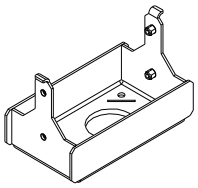


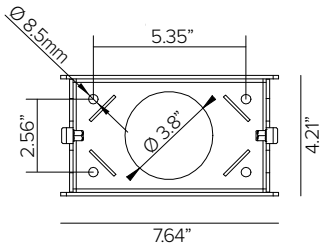




ZEDGE PRO BOLLARD

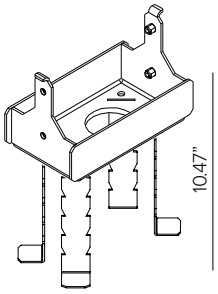
2 – MOUNTING (REQUIRED)

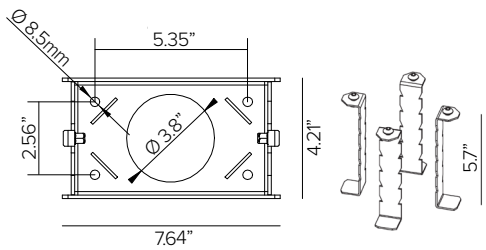




Trimless mounting base with ground anchor fixing rods for installation in concrete. AISI 316 stainless steel. Mounting bolts Ø 8.5mm (1/4”) included, 4pcs. **Required for use with 1US2530 by NEC.**

Part No. **1US34501**

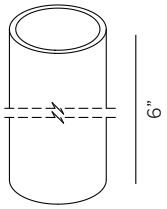




Trimless mounting base with ground anchor fixing rods for installation in concrete. AISI 316 stainless steel. Mounting bolts Ø 8.5mm (1/4”) included, 4pcs. **Required for use with 1US2530 by NEC.**

Part No. **1US34502**

INSTALLATION (REQUIRED)



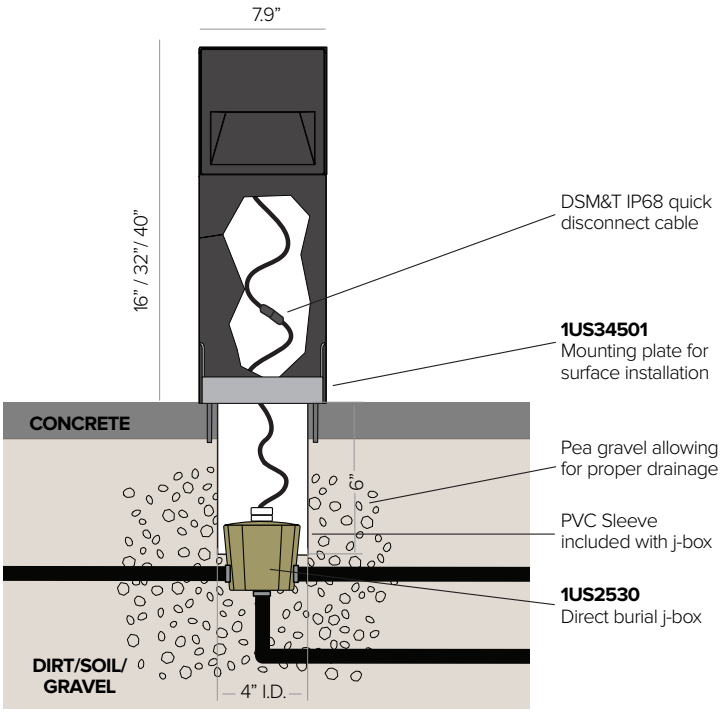
Direct burial brass ingrade j-box with PVC sleeve. Features stainless steel cover screws and strain relief for power cord, (2) 3/4” NPT bottom holes and (2) 3/4” NPT side holes. Includes (4) 3/4” to 1/2” adapters and (2) 1/2” NPT plugs. **(REQUIRED by NEC).**

Part No. **1US2530**

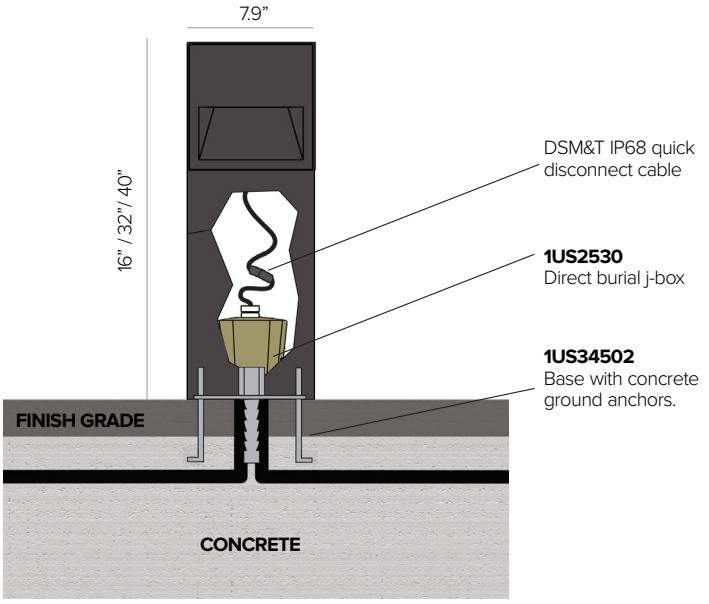
ZEDGE PRO BOLLARD

INSTALLATION DIAGRAM

1US34501 – SURFACE INSTALLATION

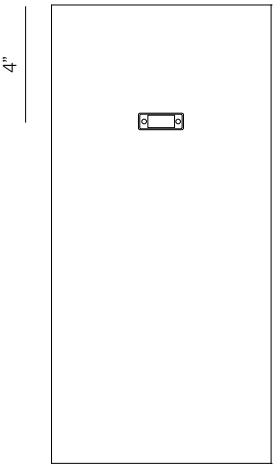


1US34502 – CONCRETE POUR INSTALLATION

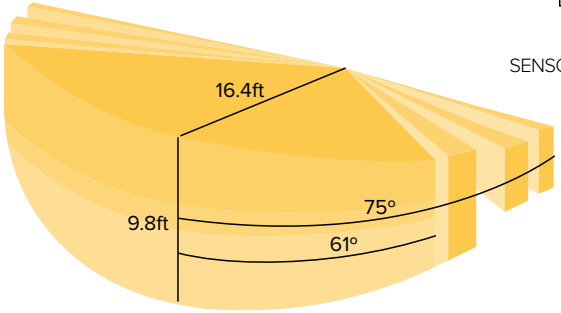


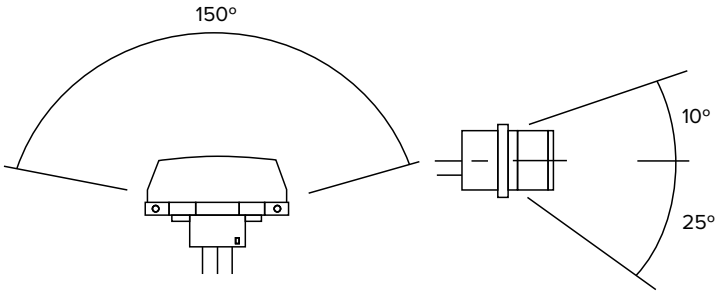
NOTE: Install according to local and NEC building codes. UL listed j-box supplied by others.

MOTION SENSOR DETAILS



POST SIDE VIEW





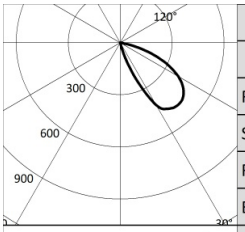
SENSOR TOP VIEW

SENSOR SIDE VIEW

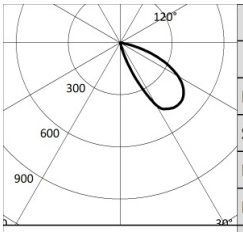
ZEDGE PRO BOLLARD

PHOTOMETRY

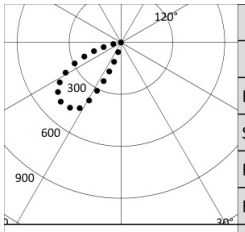
DEEP



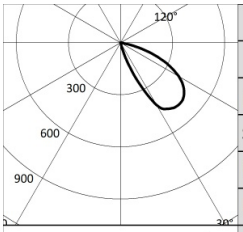
2700K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			44°	53°	
Fixture Power	15W	1	2.06	1.38	551
Source Flux	2022lm	2	4.11	2.77	138
Fixture Flux	693lm	3	6.17	4.15	61
Efficacy	48lm/W	4	8.23	5.53	34
TS1076 Imax=489cd/klm	Imax 989cd	5	10.29	6.92	22



3000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			44°	53°	
Fixture Power	15W	1	2.06	1.38	578
Source Flux	2123lm	2	4.11	2.77	145
Fixture Flux	728lm	3	6.17	4.15	64
Efficacy	50lm/W	4	8.23	5.53	36
TS1076 Imax=489cd/klm	Imax 1038cd	5	10.29	6.92	23

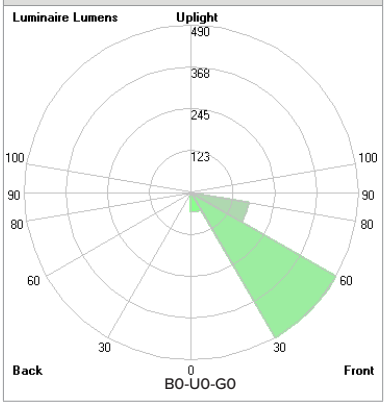


3500K	
Ra80	
Fixture Power	15W
Source Flux	2130lm
Fixture Flux	731lm
Efficacy	50lm/W
TS1076 Imax=489cd/klm	Imax 1042cd



4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			44°	53°	
Fixture Power	15W	1	2.06	1.38	593
Source Flux	2179lm	2	4.11	2.77	148
Fixture Flux	747lm	3	6.17	4.15	66
Efficacy	52lm/W	4	8.23	5.53	37
TS1076 Imax=489cd/klm	Imax 1065cd	5	10.29	6.92	24

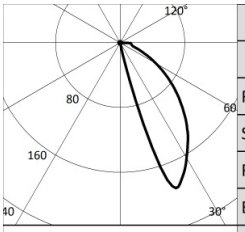
LCS Graph



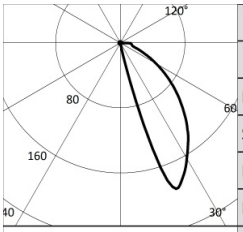
ZEDGE PRO BOLLARD

PHOTOMETRY

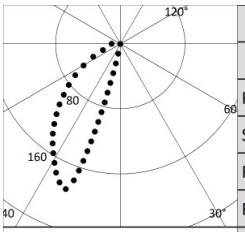
WIDE



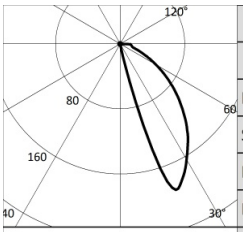
2700K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			32°	105°	
Fixture Power	15W	1	0.82	2.79	327
Source Flux	2022lm	2	1.63	5.58	82
Fixture Flux	465lm	3	2.45	8.38	36
Efficacy	32lm/W	4	3.27	11.17	20
TS1077 Imax=239cd/klm	Imax 484cd	5	4.09	13.96	13



3000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			32°	105°	
Fixture Power	15W	1	0.82	2.79	343
Source Flux	2123lm	2	1.63	5.58	86
Fixture Flux	488lm	3	2.45	8.38	38
Efficacy	34lm/W	4	3.27	11.17	21
TS1077 Imax=239cd/klm	Imax 508cd	5	4.09	13.96	14



3500K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			32°	105°	
Fixture Power	15W	1	0.82	2.79	353
Source Flux	2130lm	2	1.63	5.58	88
Fixture Flux	479lm	3	2.45	8.38	39
Efficacy	33lm/W	4	3.27	11.17	22
TS1077 Imax=229cd/klm	Imax 488cd	5	4.09	13.96	14



4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			32°	105°	
Fixture Power	15W	1	0.82	2.79	353
Source Flux	2179lm	2	1.63	5.58	88
Fixture Flux	501lm	3	2.45	8.38	39
Efficacy	35lm/W	4	3.27	11.17	22
TS1077 Imax=239cd/klm	Imax 521cd	5	4.09	13.96	14

LCS Graph