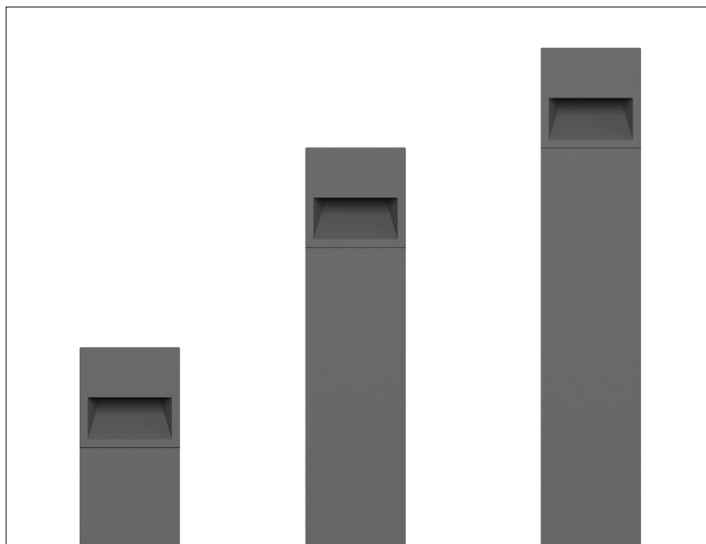
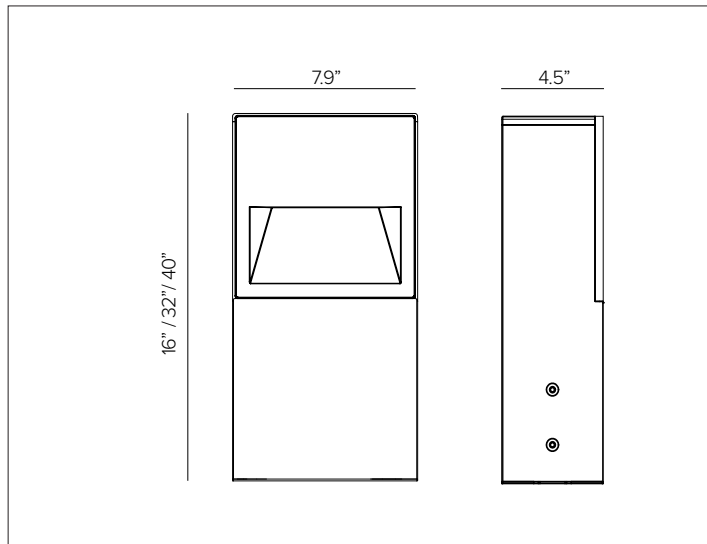


ZEDGE PRO BOLLARD

Small Scale Professional LED Bollard



Shown in Ferrite Dark Grey finish.



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
Functionality	AD version, gimbal optical system is mechanically adjustable between deep to wide distributions.
Power Connection	Pre-cabled 4ft SJOOW 18-5 cable with purple and pink wires for 0-10V control and toolless IP68 quick disconnect.
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. Battery meets CEC Title 20 efficiency standards. 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	BO-U0-G0 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

ELECTRICAL CHARACTERISTICS

Power Supply	Integral 4/1 smart driver (Non-Dimmable / 0-10V / Reverse Phase / Forward Phase) to 1% dim range.
Wattage	16W
Voltage	Universal Voltage 120-277V AC 50/60Hz
Ambient Temp.	-25°C / +35°C (95°F)

SOURCE

Two high efficiency LED Chip on Board.

TM30	CCT (Nominal)	CRI	Rf	Rg	SDCM
	2700K	90	92	99	2
	3000K	90	92	101	2
	3500K	90	91	100	2
	4000K	90	90	98	2

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	DEEP 44° x 53°		WIDE 32° x 105°	
	Delivered Lumens	2700K	573Lm	384Lm
	3000K	610Lm	409Lm	409Lm
	3500K	635Lm	416Lm	416Lm
	4000K	660Lm	443Lm	443Lm
Efficacy	42Lm/W max. Refer to photometric graphs for specific values.			
Lifetime	L95/B10 30,000hrs at max TA +25°C L94/B10 50,000hrs at max TA +25°C			
Photobiological Classification	Low risk photobiological safety RG1			

SUSTAINABILITY

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

ZEDGE PRO BOLLARD

SPECIFICATION INFORMATION

ZPB



Ex: ZPB4116DPL430FE / 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	L4 – 16W	27 – 2700K 30 – 3000K 35 – 3500K 40 – 4000K	FE – Ferrite Dark Grey HB – Heritage Brown BZ – Bronze WT – White BT – Black SG – Sandstone Grey RAL – Custom RAL

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

^BNot 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.

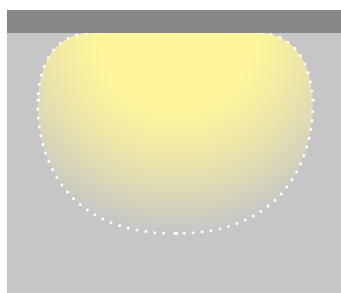
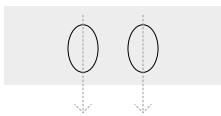
OPTIC VERSIONS

ZEDGE PRO has a unique optical system composed of two independent beams that can be 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!



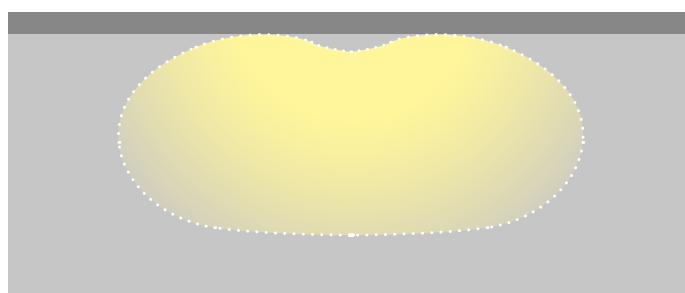
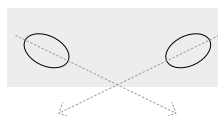
(DP) DEEP

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



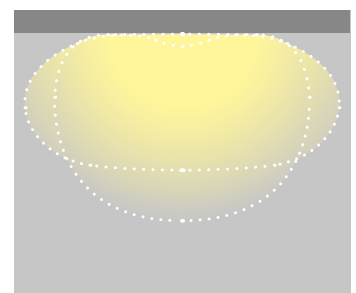
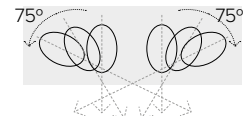
(WD) WIDE

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



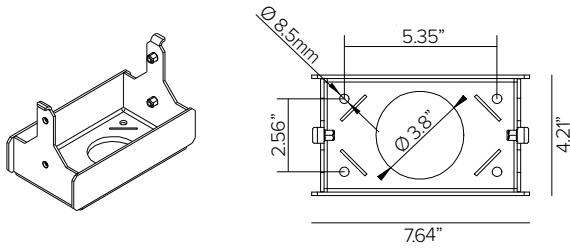
(AD) ADJUSTABLE

Why be limited to just one optic? The adjustable optic fluidly adjusts between DEEP to a WIDE to precisely achieve the desired illumination effect.



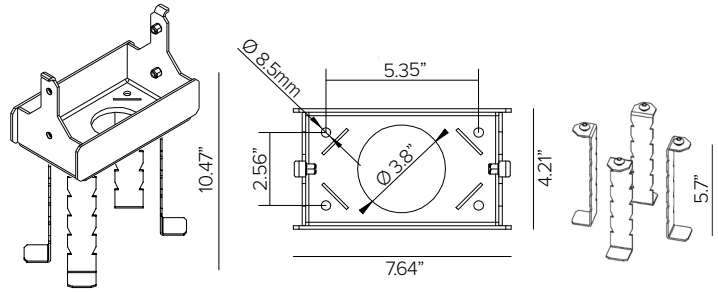
ZEDGE PRO BOLLARD

2 – MOUNTING (REQUIRED)



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

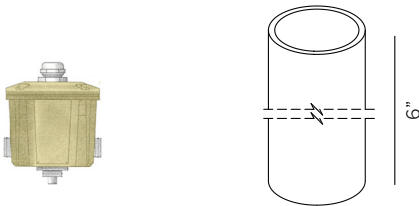
Part No. **1US34501**



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

Part No. **1US34502**

INSTALLATION (REQUIRED)



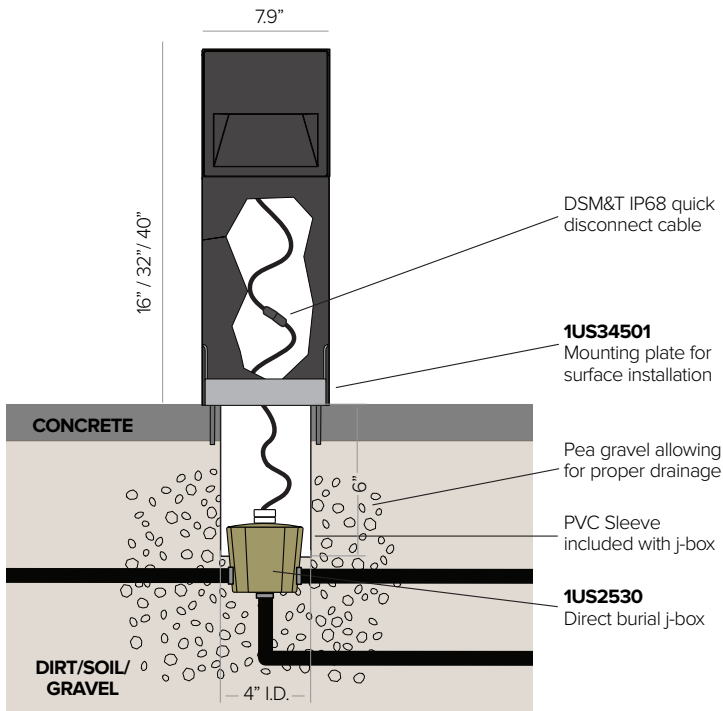
Direct burial brass ingrade j-box with PVC sleeve. Features stainless steel cover screws and strain relief for power cord, (2) 3/4" NPT bottom holes and (2) 3/4" NPT side holes. Includes (4) 3/4" to 1/2" adapters and (2) 1/2" NPT plugs. **(REQUIRED by NEC).**

Part No. **1US2530**

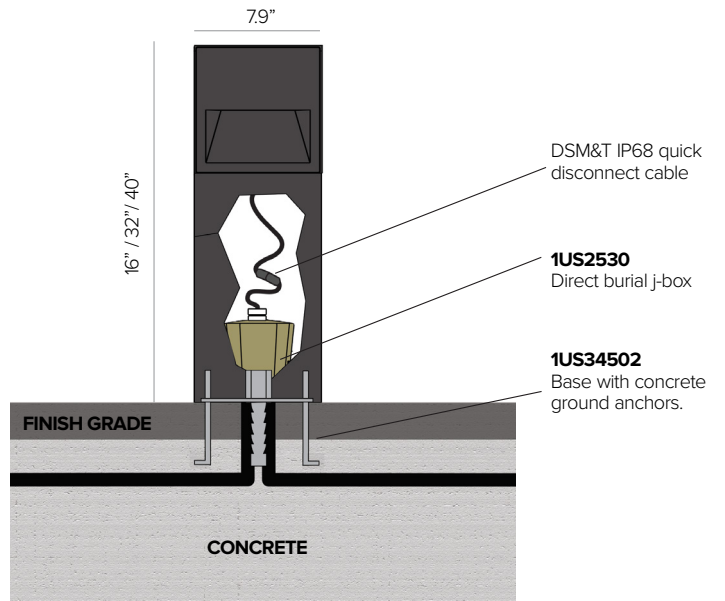
ZEDGE PRO BOLLARD

INSTALLATION DIAGRAM

1US34501 – SURFACE INSTALLATION

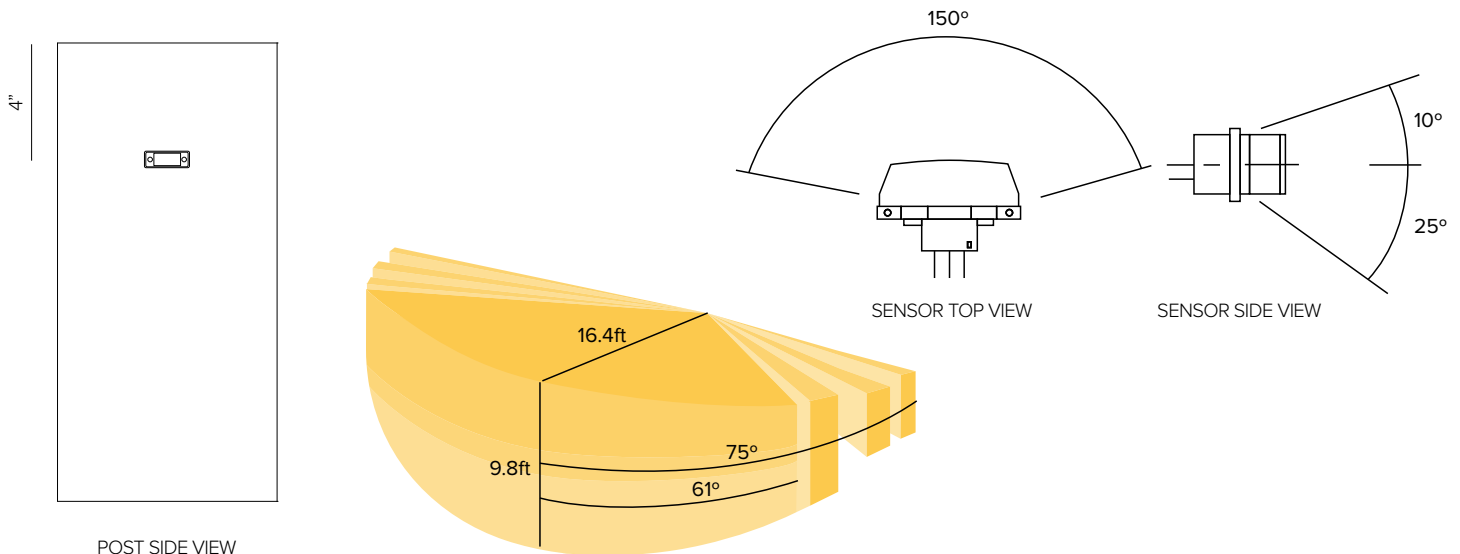


1US34502 – CONCRETE POUR INSTALLATION



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

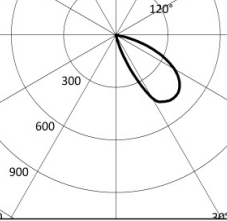
MOTION SENSOR DETAILS

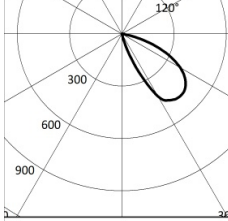


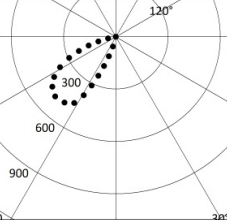
ZEDGE PRO BOLLARD

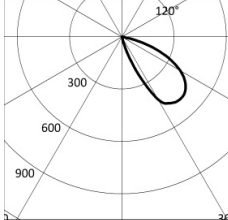
PHOTOMETRY

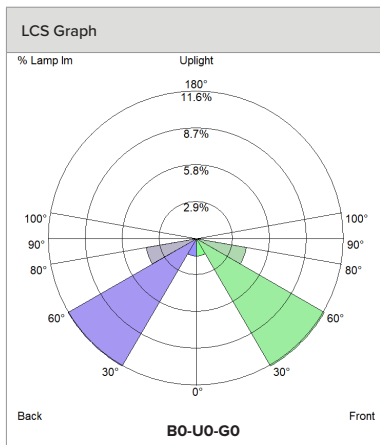
DEEP

	2700K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra90		44°	53°			
	Fixture Power	16W	1	2.06	1.38	455	
	Source Flux	1672lm	2	4.11	2.77	114	
	Fixture Flux	573lm	3	6.17	4.15	51	
	Efficacy	37lm/W	4	8.23	5.53	28	
TS1076	I _{max} =489cd/klm	I _{max}	818cd	5	10.29	6.92	18

	3000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra90		44°	53°			
	Fixture Power	16W	1	2.06	1.38	485	
	Source Flux	1781lm	2	4.11	2.77	121	
	Fixture Flux	610lm	3	6.17	4.15	54	
	Efficacy	39lm/W	4	8.23	5.53	30	
TS1076	I _{max} =489cd/klm	I _{max}	871cd	5	10.29	6.92	19

	3500K	H(m)	D1(m)	D2(m)	E _{max} (lx)	
	Ra90					
	Fixture Power	16W				
	Source Flux	1851lm				
	Fixture Flux	635lm				
	Efficacy	41lm/W				
TS1076	I _{max} =489cd/klm	I _{max}	905cd			

	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra90		44°	53°			
	Fixture Power	16W	1	2.06	1.38	524	
	Source Flux	1926lm	2	4.11	2.77	131	
	Fixture Flux	660lm	3	6.17	4.15	58	
	Efficacy	42lm/W	4	8.23	5.53	33	
TS1076	I _{max} =489cd/klm	I _{max}	942cd	5	10.29	6.92	21

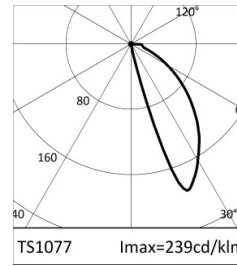


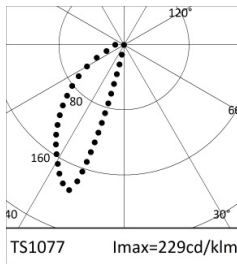
ZEDGE PRO BOLLARD

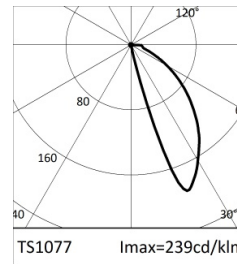
PHOTOMETRY

WIDE

	2700K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra90		32°	105°			
	Fixture Power	16W	1	0.82	2.79	270	
	Source Flux	1672lm	2	1.63	5.58	68	
	Fixture Flux	384lm	3	2.45	8.38	30	
	Efficacy	25lm/W	4	3.27	11.17	17	
	TS1077	I _{max} =239cd/klm	I _{max}	400cd	5	4.09	13.96

	3000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra90		32°	105°			
	Fixture Power	16W	1	0.82	2.79	288	
	Source Flux	1781lm	2	1.63	5.58	72	
	Fixture Flux	409lm	3	2.45	8.38	32	
	Efficacy	26lm/W	4	3.27	11.17	18	
	TS1077	I _{max} =239cd/klm	I _{max}	426cd	5	4.09	13.96

	3500K	H(m)	D1(m)	D2(m)	E _{max} (lx)	
	Ra90					
	Fixture Power	16W				
	Source Flux	1851lm				
	Fixture Flux	416lm				
	Efficacy	27lm/W				
	TS1077	I _{max} =229cd/klm	I _{max}	424cd		

	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra90		32°	105°			
	Fixture Power	16W	1	0.82	2.79	312	
	Source Flux	1926lm	2	1.63	5.58	78	
	Fixture Flux	443lm	3	2.45	8.38	35	
	Efficacy	28lm/W	4	3.27	11.17	19	
	TS1077	I _{max} =239cd/klm	I _{max}	461cd	5	4.09	13.96

