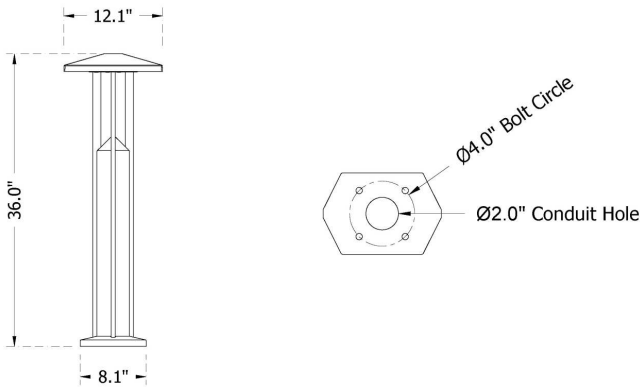


Project Name

Qty

Type

Catalog / Part Number



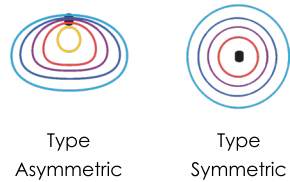
Certifications



Finish



Distribution Type



Description

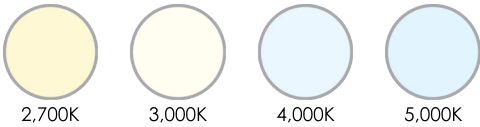
The US360 Usonia bollard offers subtle sophistication for pathways, plazas, and pedestrian spaces. Its supporting legs flow seamlessly into the base shroud, and the bollard delivers uniform illumination that complements and enhances the surrounding environment.

EPA: 1.2 - 1.7 (ft²) | WEIGHT: 19.4 - 22.2 LBS

Features

Model	US360: Usonia Bollard
Overall Height (In Inches)	24" 30" 36" 42" 48"
Lens	CA: Clear Acrylic SV1: Flat SoftVue™ Light Diffused Acrylic SV2: Flat SoftVue™ Moderate Diffused Acrylic SV4: Flat SoftVue™ Maximum Diffused Acrylic
Optional Fixed Dimming Resistor Board	FDRB: Fixed Dimming Resistor Board
Finish	UGMT: Urban Gun Metal Textured UGM: Urban Gun Metal Matte UBT: Urban Bronze Textured UB: Urban Bronze Matte USLT: Urban Silver Textured USL: Urban Silver Matte UWHT: Urban White Textured UWH: Urban White Matte BKT: Black Textured OWGT: Old World Gray Tex CD: Cedar CM: Custom Match

CCT - Color Temp (K)



Light Source

LED	08L: 8LEDs
CCT - Color Temp (K)	27: 2,700K 30: 3,000K 40: 4,000K 50: 5,000K
Distribution Type	TA: Type Asymmetric TS: Type Symmetric
Driver	MDL02: 120V-277V, 175mA MDH02: 347V-480V, 175mA MDL04: 120V-277V, 375mA MDH04: 347V-480V, 375mA MDL06: 120V-277V, 640mA MDH06: 347V-480V, 640mA

How to Order

Model	Overall Height (In Inches)	LED	CCT - Color Temp (K)	Distribution Type	Driver	Lens	Optional Fixed Dimming Resistor Board	Finish	
US360 Usonia Bollard	24IN 24"	08L 8LEDs	27 2,700K	TA Type Asymmetric	MDL02 120V-277V, 175mA	CA Clear Acrylic	FDRB Fixed Dimming Resistor Board	UGMT Urban Gun Metal Textured	
	30IN 30"		30 3,000K	TS Type Symmetric	MDH02 347V-480V, 175mA	SV1 Flat SoftVue™ Light Diffused Acrylic		UGM Urban Gun Metal Matte	
	36IN 36"		40 4,000K		MDL04 120V-277V, 375mA	SV2 Flat SoftVue™ Moderate Diffused Acrylic		UBT Urban Bronze Textured	
	42IN 42"		50 5,000K		MDH04 347V-480V, 375mA	SV4 Flat SoftVue™ Maximum Diffused Acrylic		UB Urban Bronze Matte	
	48IN 48"				MDL06 120V-277V, 640mA			USLT Urban Silver Textured	
					MDH06 347V-480V, 640mA			USL Urban Silver Matte	
								UWHT Urban White Textured	
								UWH Urban White Matte	
								BKT Black Textured	
								OWGT Old World Gray Tex	
								CD Cedar	
								CM Custom Match	

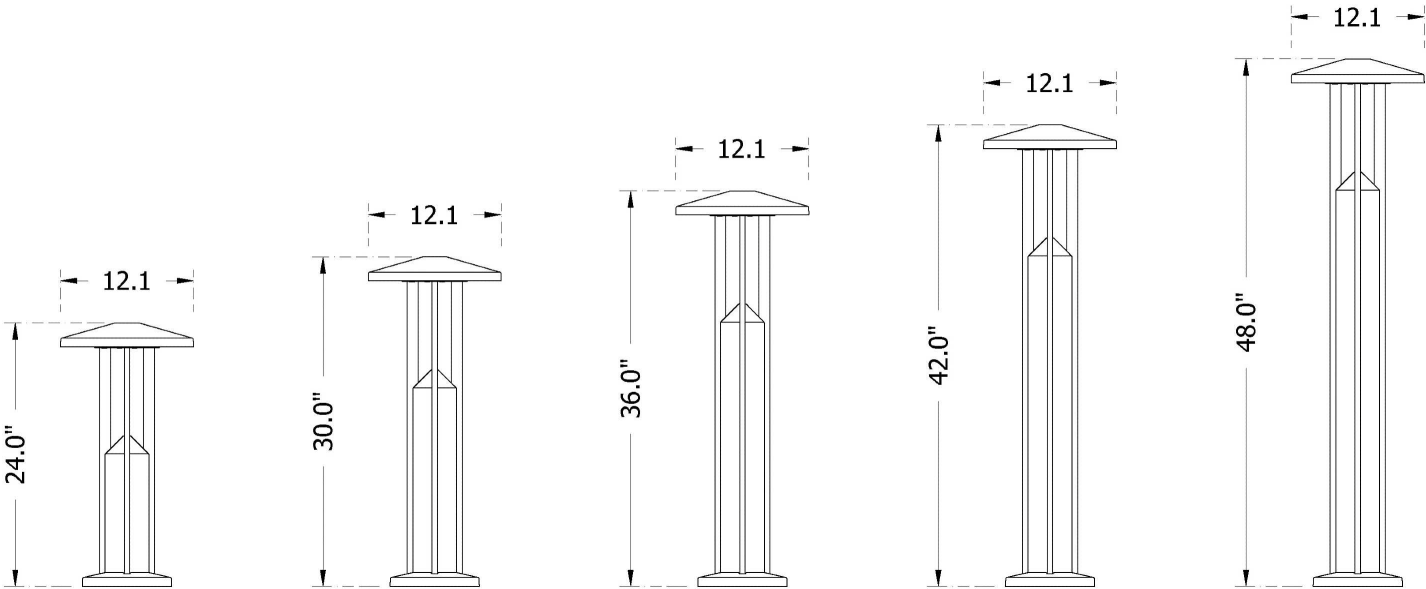
Specifications

Installation	Four 3/8" diameter by 12" long, hot-dipped galvanized "L" type anchor bolts shall be provided in a 4" bolt circle in a square pattern for anchorage. It will include tamper resistant stainless steel hardware. Bollard will be provided with a grounding stud on the base. CONCRETE FOOTING DESIGN BY OTHERS
Construction	The specialty bollard shaft shall be made of ASTM 6061 extruded aluminum and tempered to a T6 condition. The integral anchor base shall be made of heavy wall, 356 alloy cast aluminum with a .25" thick floor. It will include a decorative slipping base cover.
Hardware	Includes Stainless steel hardware. Most finishes will include hardware with a Black Oxide conversion coating. Light finishes will get non-color coated hardware (Whites and Silvers)
Lens	Optional glare reducing SoftVue™ lens provides optimal visual comfort.
UL Listing	UL listed per UL1598 and CSA C22.2 No. 250.0 for the United States and Canada. Suitable for Wet Locations.
Electronic Driver	The LED driver is UL recognized and will be securely mounted inside the fixture, for optimized performance and longevity. It will be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections for fixture installation and maintenance. It will have DC voltage output and be a constant current design. It runs at 50/60HZ and will have overload, overheat, and short circuit protection. It will be supplied with a supplemental line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It will be a high efficiency driver with a THD less than 20% and a high-power factor greater than .9. It will be dimming capable using a 0-10V signal, consult factory for more information.
IP Rating	IP66 rated optical module for enhanced protection against dust and water intrusion.
Finish	Our 6 Stage Polyester Powder coat paint system offers a beautiful high-end finish that holds up to even the most extreme environments. Each part is inspected for quality and consistency before being released for shipment. Our system exceeds AAMA 2604, AAMA 2605, ASTM D523 and ASTM D4214 requirements.
Urban Finish	The Urban finish palette was created to highlight a modern, elegant aesthetic. All finishes are a 1 part powder coat with metallic flakes for a superior appearance. Finishes are available in textured or matte. Available finishes include: Black Textured, Urban Gun Metal, Urban Bronze, Urban Silver and Urban White
Custom Finish	Custom finishes are offered to adapt to any application. Custom Match option is available to blend sternberg product with the site, consult factory for more information.
Warranty	7-year limited warranty. See Website for Terms and Conditions.
LEDs	The LEDs in this system will be fully shielded. The LEDs are mounted to maximize thermal transfer to the heat sink surface. The LEDs shall be 100% recyclable; not contain lead, mercury or any other hazardous substances and shall be RoHS compliant. Lumen maintenance shall be determined in accordance with IESNA TM-21, based on LED manufacturer LM-80 test data of no less than 6,000 hours and in-situ testing of the luminaire by an NVLAP accredited Energy Efficient Lighting Products lab. The high-performance white LEDs will have a predicted lumen depreciation of approximately 100,000 hours with greater than 70% of initial output at 25°C. The high brightness, high-output white LED's shall be 4000K nominal (2700K, 3000K or 5000K optional) correlated color temperature (CCT) with a 70 (minimum) color rendering index (CRI). Consult factory for custom CCT or CRI. The luminaire shall have a minimum _____ (see table) delivered initial lumens when operated at steady state with an average ambient temperature of 25°C (77°F). CCT Lumen Derate Values from 4,000K 2,700K (70+ CRI)= .85 3,000K (70+ CRI)= .92 5,000K (70+ CRI)= 1.00
Optics	The luminaire shall be provided with a reflector style optical system. The luminaire shall provide Type ____ (Symmetric or Asymmetric) light distribution. Testing shall be done in accordance with IESNA LM-79.
Fixed Dimming Resistor Board (FDRB)	Optional numbered 10-step selector switch allows for fine adjustment of the light levels in the field, repeatable from location to location. Offers dimming from 25% to 100% of the original output. Enclosure is composite material, sealed to protect components for the life of the product.

Lumen Chart(s)

Model #	TA DELIVERED LUMENS	BUG	EFFICACY (LPW)	TS DELIVERED LUMENS	BUG	EFFICACY (LPW)	WATTAGE
08L-40-T_-MDL06	1250	B1U0G1	33.8	1710	B1U0G0	46.2	37
08L-30-T_-MDL06	1155	B1U0G1	31.2	1580	B1U0G0	42.7	37
08L-27-T_-MDL06	1060	B1U0G1	28.6	1445	B1U0G0	39.1	37
08L-40-T_-MDL04	760	B1U0G1	38.0	1065	B1U0G0	53.3	20
08L-30-T_-MDL04	700	B1U0G1	35.0	985	B1U0G0	49.3	20
08L-27-T_-MDL04	645	B1U0G1	32.3	900	B1U0G0	45.0	20
08L-40-T_-MDL02	360	B0U0G0	36.0	510	B1U0G0	51.0	10
08L-30-T_-MDL02	330	B0U0G0	33.0	470	B1U0G0	47.0	10
08L-27-T_-MDL02	305	B0U0G0	30.5	430	B1U0G0	43.0	10

Dimensions

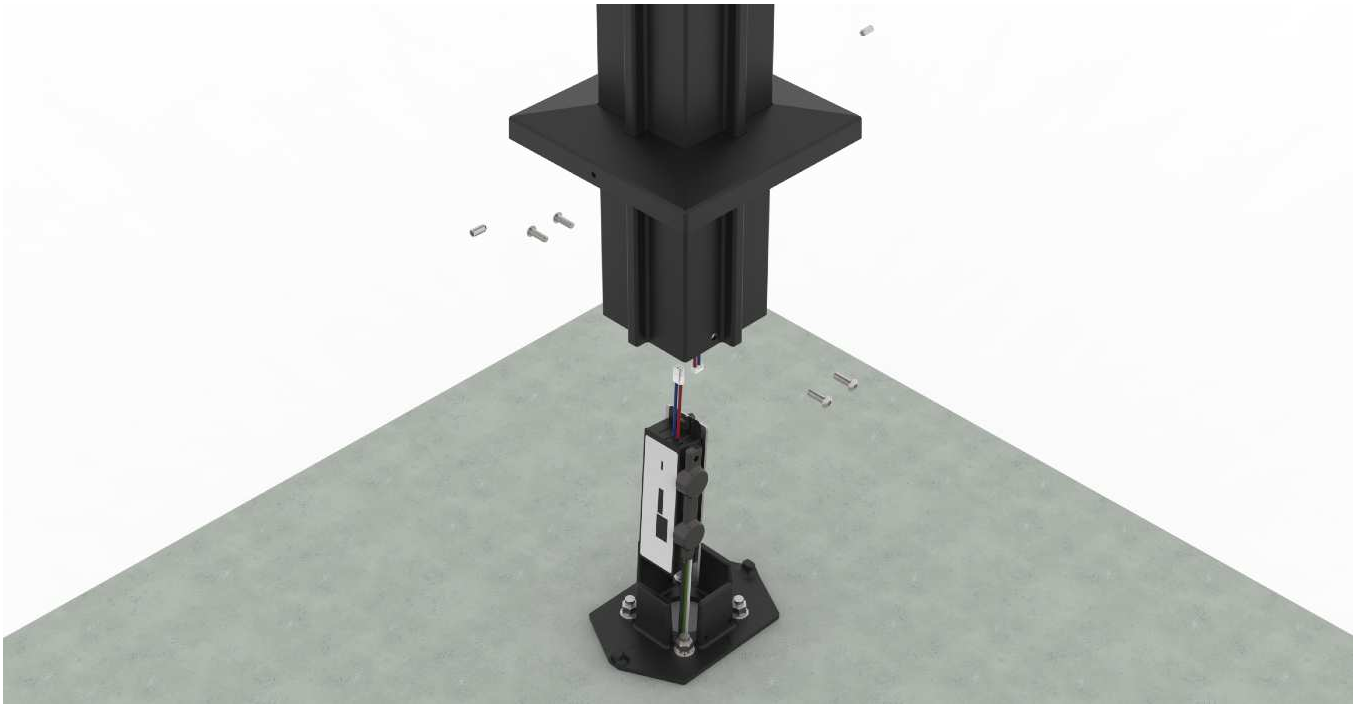


Options

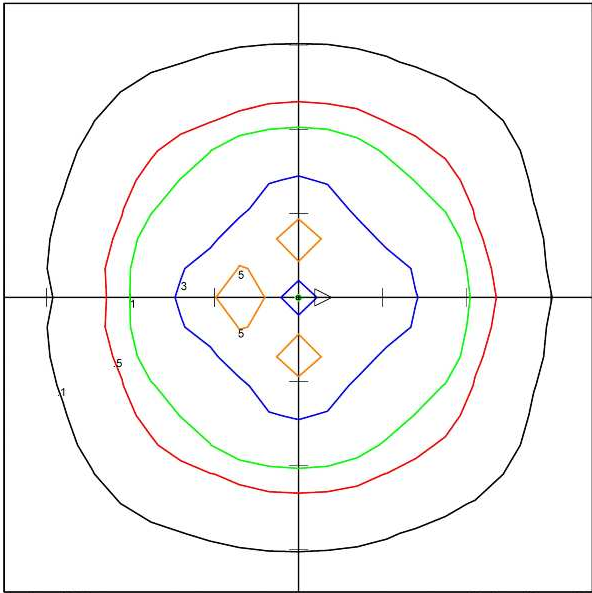


Fixed Dimming Resistor Board
(FDRB)

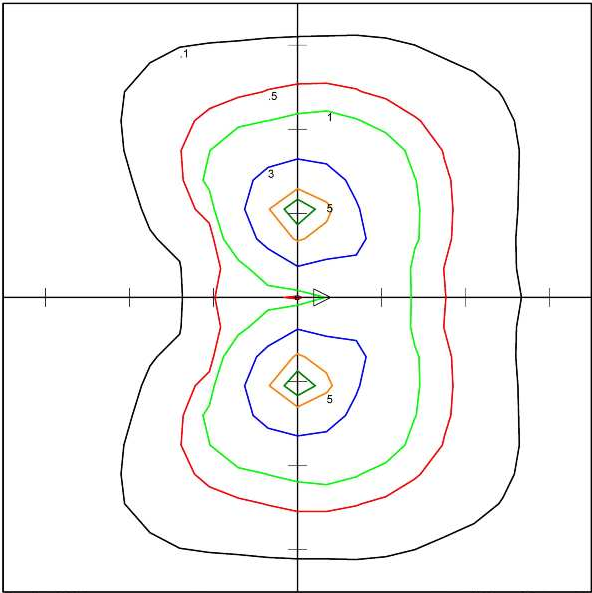
Mounting Details



Photometry



Sternberg Lighting
US360-BL40TS-MDL04-CA
Modern Prairie Bollard production sample, Optic TS, Lens
CA - Clear Acrylic
(4) 2L Lux 50-50, 40k. LUMINAIRE OUTPUT: 1066 Lms.
Horizontal Footcandles
Scale: 1 Inch = 5 Ft.
Light Loss Factor = 1.00
Lumens Per Lamp = N.A. (absolute photometry)
Luminaire Lumens = 1070
Mounting Height = 3.50 Ft
Maximum Calculated Value = 6.51 Fc



Sternberg Lighting
US360-BL40TA-MDL04-CA
Modern Prairie Bollard production sample, Optic TA, Lens
CA - Clear Acrylic
(4) 2L Lux 50-50, 40k. LUMINAIRE OUTPUT: 759 Lms.
Horizontal Footcandles
Scale: 1 Inch = 5 Ft.
Light Loss Factor = 1.00
Lumens Per Lamp = N.A. (absolute photometry)
Luminaire Lumens = 763
Mounting Height = 3.50 Ft
Maximum Calculated Value = 6.88 Fc

