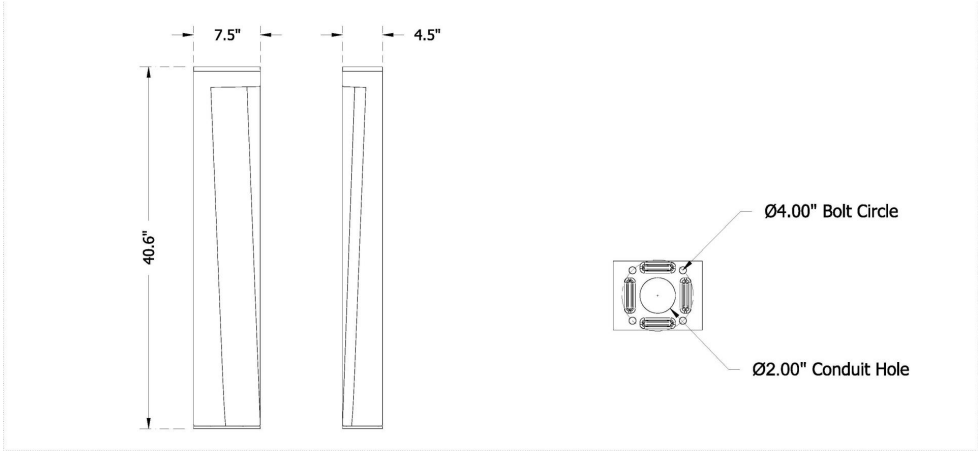


Project Name _____

Qty _____

Type _____

Catalog / Part Number _____



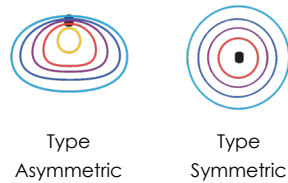
Certifications



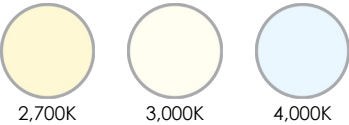
Finish



Distribution Type



CCT - Color Temp (K)



Description

The AT360 Altur™ Bollard redefines modern elegance with an innovative design that changes shape as you move around the unit.

EPA: 2.78 (ft²) | WEIGHT: 30 LBS

Features

Model	AT360: Altur™ Bollard
Lens	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 CM: Custom Match

Light Source

LED	06L: 6 LEDs 12L: 12 LEDs
CCT - Color Temp (K)	27: 2,700K 30: 3,000K 40: 4,000K
Distribution Type	TA: Type Asymmetric TS: Type Symmetric

Driver	MDL01: 120V-277V, 100mA
	MDH01: 347V-480V, 100mA
	MDL02: 120V-277V, 200mA
	MDH02: 347V-480V, 200mA
	MDL03: 120V-277V, 300mA
	MDH03: 347V-480V, 300mA
	MDL04: 120V-277V, 420mA
	MDH04: 347V-480V, 420mA

Important

Virtual Patent Marking Notice

This website (<https://www.lmpg.com/patents-trademarks>) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

How to Order

Model	LED	CCT - Color Temp (K)	Distribution Type	Driver	Lens	Optional Fixed Dimming Resistor Board	Finish
AT360 Altur™ Bollard	06L 6 LEDs ⁽¹⁾ 12L 12 LEDs ⁽²⁾	27 2,700K 30 3,000K 40 4,000K	TA Type Asymmetric TS Type Symmetric	MDL01 120V-277V, 100mA MDH01 347V-480V, 100mA MDL02 120V-277V, 200mA MDH02 347V-480V, 200mA MDL03 120V-277V, 300mA MDH03 347V-480V, 300mA MDL04 120V-277V, 420mA MDH04 347V-480V, 420mA	SV1 Flat SoftVue™ Light Diffused Acrylic SV2 Flat SoftVue™ Moderate Diffused Acrylic SV4 Flat SoftVue™ Maximum Diffused Acrylic	FDRB Fixed Dimming Resistor Board	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 CM Custom Match

Notes:
1. Not for use with TS optic.
2. Not for use with TA optic.

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	Features a seamless cast aluminum body with removable cap for LED module access. The separate anchor base shall be 3-5/8" diameter and made of heavy cast aluminum with a floor thickness of 3/4".
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. Uses a .118" thick acrylic lens. Offered with Soft Vue Medium Diffused Acrylic (SV1), Soft Vue Heavy Diffused Acrylic (SV2) or Soft Vue Maximum Diffused Acrylic (SV4).
Serviceability	Equipped with factory sealed LED modules featuring watertight quick disconnects for simplified field service.
UL Listing	UL listed per UL1598 and CSA C22.2 No. 250.0 for the United States and Canada. Suitable for Wet Locations operating in an ambient temperature of up to 40°C (105°F)
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.
NightSky® Friendly	Dark sky design properties with a U0 BUG rating for specific configurations.
IP Rating	IP66 rated luminaire 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 in a direct downward position to maximize efficiency. 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. The high brightness, high-output white LED's shall be 4000K nominal (2700K or 3000K optional) correlated color temperature (CCT). Photometrics comply with LM79 testing standards. CCT Lumen Derate Values from 4,000K (70+ CRI) 2,700K (70+ CRI)=.92 3,000K (70+ CRI)=.95 Consult factory for custom correlated color temperature (CCT) or color rendering index (CRI).

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)

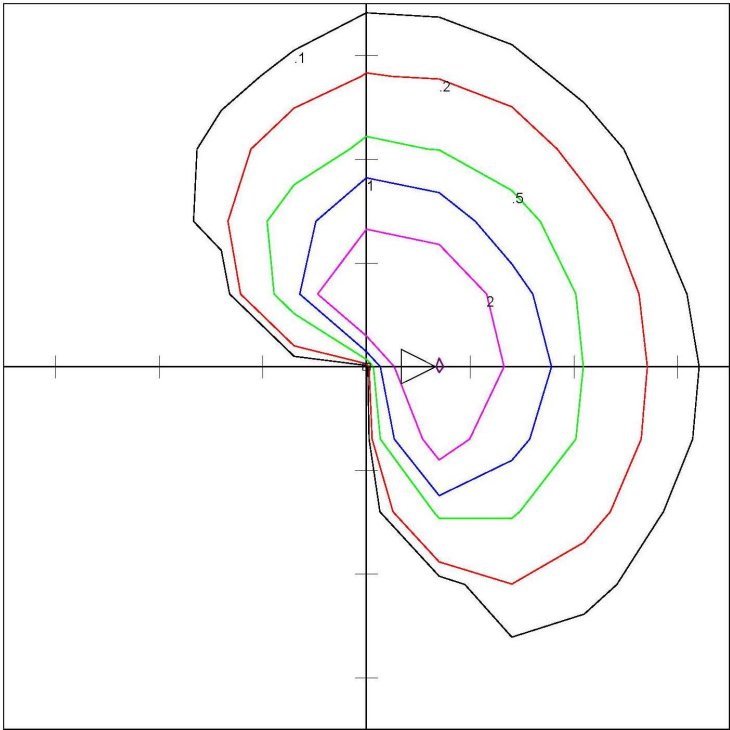
Model #	TS DELIVERED LUMENS	BUG	EFFICACY (LPW)	WATTAGE
12L40TS-MDL04	1710	B1U0G0	50.3	34
12L30TS-MDL04	1630	B1U0G0	47.9	34
12L27TS-MDL04	1575	B1U0G0	46.3	34
12L40TS-MDL03	1300	B1U0G0	52.0	25
12L30TS-MDL03	1240	B1U0G0	49.6	25
12L27TS-MDL03	1200	B1U0G0	48.0	25
12L40TS-MDL02	890	B1U0G0	52.4	17
12L30TS-MDL02	850	B1U0G0	50.0	17
12L27TS-MDL02	820	B1U0G0	48.2	17
12L40TS-MDL01	455	BOU0G0	50.6	9
12L30TS-MDL01	435	BOU0G0	48.3	9
12L27TS-MDL01	420	BOU0G0	46.7	9

TS optic lumen chart - 360° Coverage

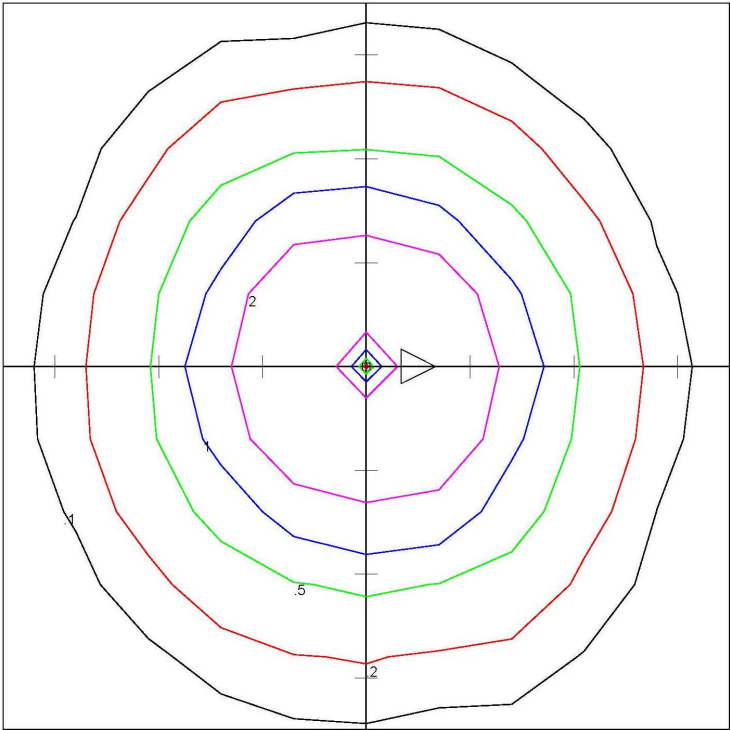
Model #	TA DELIVERED LUMENS	BUG	EFFICACY (LPW)	WATTAGE
6L40TA-MDL04	790	BOU0G0	43.9	18
6L30TA-MDL04	755	BOU0G0	41.9	18
6L27TA-MDL04	730	BOU0G0	40.6	18
6L40TA-MDL03	600	BOU0G0	42.9	14
6L30TA-MDL03	570	BOU0G0	40.7	14
6L27TA-MDL03	555	BOU0G0	39.6	14
6L40TA-MDL02	410	BOU0G0	41.0	10
6L30TA-MDL02	390	BOU0G0	39.0	10
6L27TA-MDL02	380	BOU0G0	38.0	10
6L40TA-MDL01	210	BOU0G0	35.0	6
6L30TA-MDL01	200	BOU0G0	33.3	6
6L27TA-MDL01	195	BOU0G0	32.5	6

TA optic lumen chart - 180° Coverage

Photometry



Sternberg Lighting
AT360-06L40TA-MDL01-SV4
Altur Contemporay Bollard, Type TA, Soft Vue 4 Lens,
6x 2L Luxeon 5050, 40k. LUMINAIRE OUTPUT: 165 Lms.
Horizontal Footcandles
Scale: 1 Inch = 3 Ft.
Light Loss Factor = 1.00
Lumens Per Lamp = N.A. (absolute photometry)
Luminaire Lumens = 165
Mounting Height = 4.00 Ft
Maximum Calculated Value = 5.21 Fc
Arrangement: Single



Sternberg Lighting
AT360-12L40TS-MDL01-SV4
Altur Contemporay Bollard, Type TS, Soft Vue 4 Lens,
6x 2L Luxeon 5050, 40k. LUMINAIRE OUTPUT: 317 Lms.
Horizontal Footcandles
Scale: 1 Inch = 3 Ft.
Light Loss Factor = 1.00
Lumens Per Lamp = N.A. (absolute photometry)
Luminaire Lumens = 317
Mounting Height = 4.00 Ft
Maximum Calculated Value = 4.79 Fc
Arrangement: Single

Options



Fixed Dimming Resistor Board
(FDRB)