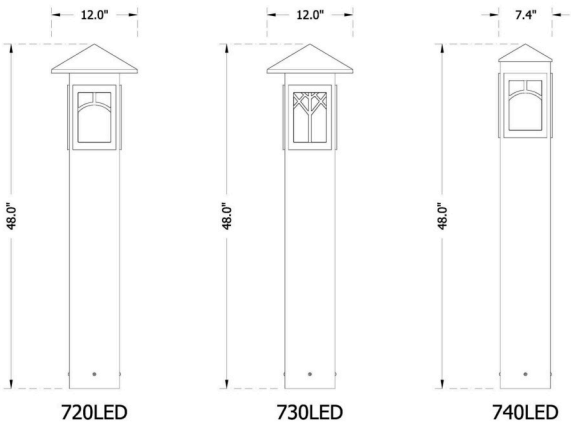


Project Name

Qty

Type

Catalog / Part Number



Certifications



Finish



Description

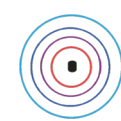
The 700LED Prairie bollards compliment the Prairie family or products. Built with a 7" extrusion and cast aluminum roof and grillwork, the configurable bollard can be customized to suit any application.

Available in heights: 24", 30", 36", 42" and 48"

Features

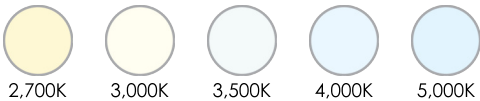
Model	720LED: Tinley 720LED-QR: Tinley, Quick Release 730LED: Prairie 730LED-QR: Prairie, Quick Release 740LED: Paragon 740LED-QR: Paragon, Quick Release
Overall Height (In Inches)	24", 30", 36", 42", 48"
Lens	SV1: Flat SoftVue™ Light Diffused Acrylic SV2: Flat SoftVue™ Moderate Diffused Acrylic SV4: Flat SoftVue™ Maximum Diffused Acrylic CSA: Clear Seeded Acrylic CTA: Clear Textured Acrylic PA: Prismatic Acrylic AGB: Art Glass Brown
Optional Chain Loop	CL1: Single Chain Loop CL2: Double Chain Loops at 180°
Optional Fuse	FHD: Double Fuse and Holder
Optional Receptacle	GFI LPIUC: 120V, 15 Amp Duplex GFCI receptacles with a low-profile in-use cover USB LPIUC: 120V, 15 Amp Duplex USB/ Receptacle combo with a low-profile in-use cover (NON-GFCI)
Optional House Side Shield	HSSP: House Side Shield, Panel Style
Optional Fixed Dimming Resistor Board	FDRB: Fixed Dimming Resistor Board

Distribution Type



Type
Symmetric

CCT - Color Temp (K)



Finish

- BKT:** Black Textured
- WHT:** White Textured
- PGT:** Park Green Textured
- ABZT:** Arch Med Bronze Tex
- DBT:** Dark Bronze Textured
- VG:** Verde Green
- SI:** Swedish Iron
- OWGT:** Old World Gray Tex
- CM:** Custom Match
- OI:** Old Iron
- RT:** Rust
- WBR:** Weathered Brown
- CD:** Cedar
- WBK:** Weathered Black
- TT:** Two Tone

Light Source

LED	1L: 1 LED
CCT - Color Temp (K)	27: 2,700K 30: 3,000K 35: 3,500K 40: 4,000K 50: 5,000K
Distribution Type	TS: Symmetric, behind internal lens
Driver	MDL03: 120V-277V, 350mA MDH03: 347V-480V, 350mA MDL07: 120V-277V, 700mA MDH07: 347V-480V, 700mA

Electrical and control

Optional Photocell	PCD: Electronic Button Photocontrol, mounted on an access door (120V-277V) PCD4: Electronic Button Photocontrol, mounted on an access door (480V)
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How to Order

Model	Overall Height (In Inches)	LED	CCT - Color Temp (K)	Distribution Type	Driver	Lens
720LED Tinley	24IN 24"	1L 1 LED	27 2,700K	TS Symmetric, behind internal lens	MDL03 120V-277V, 350mA	SV1 Flat SoftVue™ Light Diffused Acrylic
720LED-QR Tinley, Quick Release	30IN 30"		30 3,000K		MDH03 347V-480V, 350mA	SV2 Flat SoftVue™ Moderate Diffused Acrylic
730LED Prairie	36IN 36"		35 3,500K		MDL07 120V-277V, 700mA	SV4 Flat SoftVue™ Maximum Diffused Acrylic
730LED-QR Prairie, Quick Release	42IN 42"		40 4,000K		MDH07 347V-480V, 700mA	CSA Clear Seeded Acrylic
740LED Paragon	48IN 48"		50 5,000K			CTA Clear Textured Acrylic
740LED-QR Paragon, Quick Release						PA Prismatic Acrylic
						AGB Art Glass Brown

How to Order

Optional Chain Loop	Optional Fuse ⁽¹⁾	Optional Photocell	Optional Receptacle ⁽²⁾	Optional House Side Shield	Optional Fixed Dimming Resistor Board	Finish
CL1 Single Chain Loop CL2 Double Chain Loops at 180°	FHD Double Fuse and Holder	PCD Electronic Button Photocontrol, mounted on an access door (120V- 277V) PCD4 Electronic Button Photocontrol, mounted on an access door (480V)	GFI LPIUC 120V, 15 Amp Duplex GFCI receptacles with a low-profile in-use cover USB LPIUC 120V, 15 Amp Duplex USB/ Receptacle combo with a low-profile in-use cover (NON-GFCI)	HSSP House Side Shield, Panel Style	FDRB Fixed Dimming Resistor Board	BKT Black Textured ⁽³⁾ WHT White Textured ⁽³⁾ PGT Park Green Textured ⁽³⁾ ABZT Arch Med Bronze Tex ⁽³⁾ DBT Dark Bronze Textured ⁽³⁾ VG Verde Green SI Swedish Iron OWGT Old World Gray Tex CM Custom Match ⁽⁴⁾ OI Old Iron ⁽⁴⁾ RT Rust ⁽⁴⁾ WBR Weathered Brown ⁽⁴⁾ CD Cedar ⁽⁴⁾ WBK Weathered Black ⁽⁴⁾ TT Two Tone ⁽⁴⁾

Notes:

1. Ships loose for installation in base.

2. Requires 30" minimum bollard height.

3. Smooth finishes are available upon request.

4. Custom colors require upcharge.

Specifications

Installation	Four 1/2" diameter by 18" long, hot-dipped galvanized "L" type anchor bolts shall be provided with the post for anchorage in a 6" bolt circle, square pattern. It will include tamper resistant stainless steel hardware. Bollard will be provided with a grounding stud on the base. 4-1/2" conduit opening on base. CONCRETE FOOTING DESIGN BY OTHERS The bollard can include an optional quick release (QR) mount in lieu of anchor bolts, which allows for tool-less removal of the bollard for convenience or emergency access. The burial portion shall be installed in ground flush with grade, it shall be made of aluminum extrusion and shall have a wiring compartment, keyway, and flexible aircraft cable connection system for securing the bollard to the ground. The removable bollard portion shall have a mated extension and anti-rotation key, along with a slot in the base for a lock to externally attach to the aircraft cable loop (LOCK BY OTHERS). The system comes with a quick release power connection for safety.
Construction	The 7" bollard shaft has a 3/16" wall thickness and will be made of ASTM 6063 extruded aluminum tempered to a T6 condition, . The configurable cast aluminum square roof sits on top of the extruded shaft and has a downward facing LED source.
Lens	Optional glare reducing SoftVue™ lens provides optimal visual comfort. Bollard includes a variety of optional lenses seated behind cast aluminum frames/grillwork. The standard (SV4) lens comes as a 1/4" thick 1 piece vandal resistant lens. Other optional lenses are individual panels and 1/8" thick. (SV4) Soft Vue Maximum Diffused Acrylic (IES Files tested with this lens) (CSA) Clear Seeded Acrylic (1.39 multiplier) (CTA) Clear Textured Acrylic (1.37 multiplier) (SV1) Soft Vue Light Diffused Acrylic (1.34 multiplier) (SV2) Soft Vue Moderate Diffused Acrylic (1.28 multiplier) (AGB) Brown Art Glass (0.51 multiplier) Multipliers can be used on IES files or lumens from lumen chart
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.
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.
Traditional Finish	Traditional paint finishes are available in Sternberg Lighting's Traditional product line. A range of colors help accent the decorative elements on the product. Finishes are available in textured or smooth. Available finishes include: Black, White, Park Green, Architectural Medium Bronze and Dark Bronze
Sternberg Select Finish	The Sternberg Select antique-inspired palette adds a touch of vintage elegance to modern applications. Old World Gray Textured is a 1 part powder coat with metallic flakes. Verde Green and Swedish Iron is a 2 part finish that includes a powder coat base coat with a hand applied antique top coat. The top coat is unique to each application and changes over time.
Warranty	7-year limited warranty. See Website for Terms and Conditions.

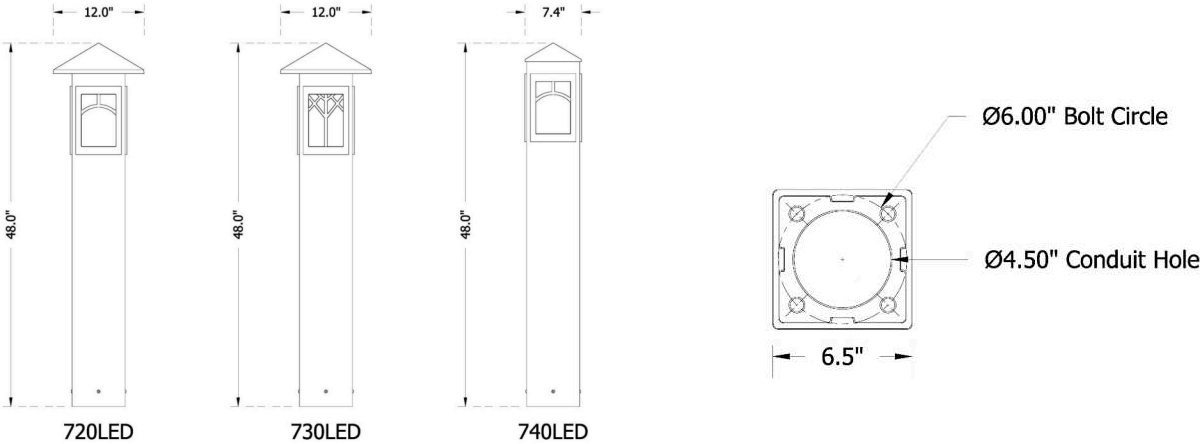
LEDs	The luminaire shall use high output, high brightness LEDs, consisting of a two piece assembly complete with Chip on Board (COB) LED component and COB holder frame. The LEDs shall be 100% recyclable; not contain lead, mercury or any other hazardous substances and shall be RoHS compliant. Lumen maintenance 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 LED's 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 LEDs shall be 4000K (2700K, 3000K, 3500K or 5000K option) correlated color temperature (CCT) with a 70 (minimum) color rendering index (CRI). Consult factory for custom color CCT. The luminaire shall have a minimum _____ (see table) delivered initial lumen rating when operated at steady state with an average ambient temperature of 25°C (77°F). CCT Lumen Derate Values from 4,000K 2,700K (80+ CRI)=.88 3,000K (70+ CRI)=.97 3,500K (80+ CRI)=.93 5,000K (70+ CRI)=1.01
UL Listing	UL listed per UL1598 and CSA C22.2 No. 250.0 for the United States and Canada. Suitable for Wet Locations.
Backlight Optical Control	An optional "panel style" House Side Shield helps control backlight. A flat aluminum panel painted to match fixture replaces the lens on the house side.
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.
Photocontrols	Button Photocell (On Plate): Optional photocontrol shall be mounted on a plate and installed on the pole shaft. The electronic button type photocontrol is instant on with a 5-10 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles.
Receptacle	Optional 120V duplex 15A GFI (GFI LPIUC) or NON-GFI/5A USB combo duplex receptacle (USB LPIUC) installed in proprietary "Low-Profile" box with a lockable In-Use cover (lock not included).
Chain Loop	A single (CL1) or double (CL2) steel chain loop can be added to the bollard. The loop is painted to match the unit. Does not include chain. Consult factory for painted chain

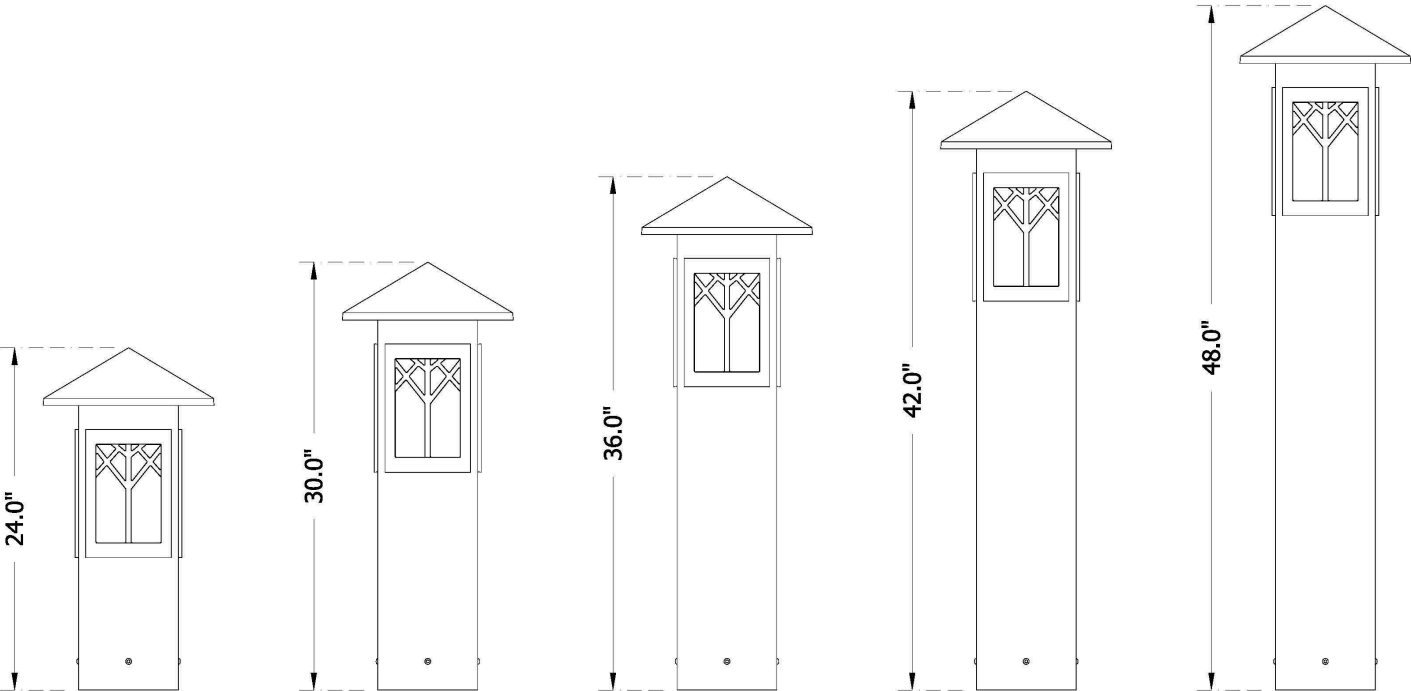
Lumen Chart(s)

Tested with SV4 lens

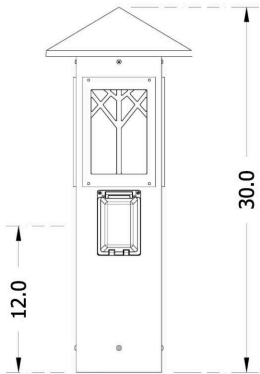
Model #	DELIVERED LUMENS	BUG	EFFICACY (LPW)	WATTAGE
1L-40-T_-MDL07	805	B0U3G1	26.8	30
1L-30-T_-MDL07	780	B0U3G1	26.0	30
1L-27-T_-MDL07	710	B0U3G1	23.7	30
1L-40-T_-MDL03	460	B0U3G1	32.9	14
1L-30-T_-MDL03	445	B0U3G1	31.8	14
1L-27-T_-MDL03	405	B0U3G1	28.9	14

Dimensions

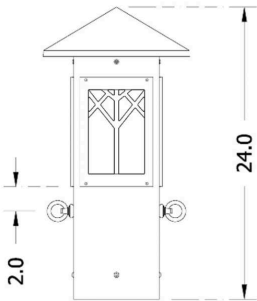




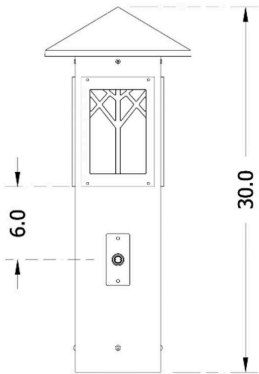
Options



Low-Profile In-Use Cover
(GFI LPIUC/USB LPIUC)



Chain Loops
(CL1/CL2)



Button Photocell On Door
(PCD/PCD4)

Quick Release Bollard Option

Generic bollard shown for detail

