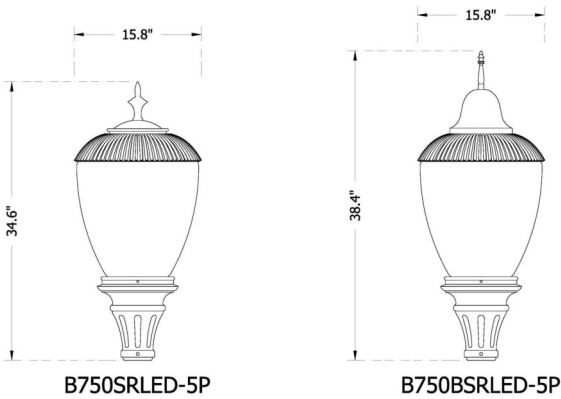


Project Name

Qty

Type

Catalog / Part Number



Certifications	Description
	The B750SRLED Avenue luminaire is supplied with a cast aluminum finial and a solid cast aluminum roof which includes optimized heat sinks to provide maximum life and performance for the LED light sources. The acorn is sealed to the cast aluminum roof to provide a moisture free and bug-free optic chamber. EPA: 1.13 (ft²) WEIGHT: 38 LBS
Mounting Configuration	Features
 Wall Mount  Post Top  1 Arm Mount  1 Arm & Post Top  2 Arm Mount @ 180°  2 Arm Mount @ 90°  2 Arm @ 180° & Post Top  3 Arms @ 120°  3 Arms @ 90°  3 Arm @ 120° & Post Top  4 Arms @ 90°  4 Arm @ 90° & Post Top  1 Arm Mid-Mount  2 Arm Mid-Mount @ 180°  Pier Base Mounting Configuration 1W: Wall Mount PT: Post Top 1A: 1 Arm Mount 1APT: 1 Arm & Post Top 2A: 2 Arm Mount @ 180° 2A90: 2 Arm Mount @ 90° 2APT: 2 Arm @ 180° & Post Top 3A: 3 Arms @ 120° 3A90: 3 Arms @ 90° 3APT: 3 Arm @ 120° & Post Top 4A: 4 Arms @ 90° 4APT: 4 Arm @ 90° & Post Top 1AM: 1 Arm Mid-Mount 2AM: 2 Arm Mid-Mount @ 180° 450PB: Pier Base Optional Control Receptacle R7: 7-Pin control receptacle only Optional Control PE: Twist-Lock Photocontrol (120V-277V) PE4: Twist-Lock Photocontrol (347V-480V) SC: Shorting Cap PEC: Electronic Button Photocontrol (120V-277V) PEC4: Electronic Button Photocontrol (480V) Optional Fuse FHD: Double Fuse and Holder Optional House Side Shield BLOC: Back Light Optical Control	

Finish



Black
Textured



White
Textured



Park
Green
Textured



Arch Med
Bronze Tex



Dark
Bronze
Textured



Verde
Green



Swedish
Iron



Old World
Gray Tex



Old Iron



Rust



Weathered
Brown



Cedar



Weathered
Black



Two Tone



Custom
Match

Distribution Type



Type 2



Type 3



Type 4



Type 5

CCT - Color Temp (K)



2,700K



3,000K



3,500K



4,000K



5,000K

Optional Fixed Dimming Resistor Board		FDRB: Fixed Dimming Resistor Board
Physical		
Fixture	B750SRLED: Standard Roof B750BSRLED: Bell Roof	
Fitter	5P: Slip fit 3" OD x 3" tall tenon/pole 73: Slip fit 3" OD x 4" tall tenon/pole 74: Slip fit 4" OD x 4" tall tenon/pole 990: Utility-Fitter, Slip fit 3" OD x 3" tall tenon/pole 991: Utility-Fitter, Slip fit 3" OD x 3" tall tenon/pole 992: Utility-Fitter, Slip fit 3" OD x 3" tall tenon/pole 993: Utility-Fitter, Slip fit 3" OD x 3" tall tenon/pole 994: Utility-Fitter, Slip fit 4" OD x 3" tall tenon/pole 995: Utility-Fitter, Slip fit 4" OD x 3" tall tenon/pole BD4: Slip fit 4" OD x 5" tall tenon/pole BD5: Slip fit 5" OD x 6" tall tenon/pole BD7: Slip fit 7" OD x 1" tall tenon/pole OL3: Oak-Leaf, Slip fit 3" OD x 3" tall tenon/pole OL4: Oak-Leaf, Slip fit 4" OD x 3" tall tenon/pole 588: Art-Deco, Slip fit 3" OD x 3" tall tenon/pole C2097: Low-Profile, Slip fit 7" OD x 1" tall tenon/pole	
Optional Twist Lock Acorn		T: Twist-Lock Option for Acorn
Lens	A: Clear Textured Acrylic Acorn P: Clear Textured Poly Acorn	
Optional Ring		CDR: Cast Deco Ring, GOLD medallions CDRP: Cast Deco Ring, Medallions painted to match fixture CDRCL: Cast Deco Ring, custom logo medallions PBDR: Perforated Brass Deco Ring, raw brass PBDRP: Perforated Brass Deco Ring, painted to match fixture
Optional Receptacle		GFI: 120V, 15A Duplex GFI for Utility Fitter
Optional Terminal Block		TB: Terminal Block
Finish	BKT: Black Textured PGT: Park Green Textured DBT: Dark Bronze Textured SI: Swedish Iron OI: Old Iron WBR: Weathered Brown WBK: Weathered Black CM: Custom Match	WHT: White Textured ABZT: Arch Med Bronze Tex VG: Verde Green OWGT: Old World Gray Tex RT: Rust CD: Cedar TT: Two Tone
Light Source		
LED	24L: 24 LEDs 12L: 12 LEDs	16L: 16 LEDs
CCT - Color Temp (K)	27: 2,700K 35: 3,500K 50: 5,000K	30: 3,000K 40: 4,000K
Distribution Type	T2: Type 2 T4: Type 4	T3: Type 3 T5: Type 5
Electrical and control		
Driver	MDL014: 120V-277V, 140mA MDL008: 120V-277V, 80mA	MDH014: 347V-480V, 140mA MDH008: 347V-480V, 80mA

How to Order

Mounting Configuration ⁽¹⁾	Fixture	Fitter ⁽¹⁾	Optional Twist Lock Acorn	LED	CCT - Color Temp (K)	Distribution Type	Driver	Lens
1W Wall Mount PT Post Top 1A 1 Arm Mount 1APT 1 Arm & Post Top 2A 2 Arm Mount @ 180° 2A90 2 Arm Mount @ 90° 2APT 2 Arm @ 180° & Post Top 3A 3 Arms @ 120° 3A90 3 Arms @ 90° 3APT 3 Arm @ 120° & Post Top 4A 4 Arms @ 90° 4APT 4 Arm @ 90° & Post Top 1AM 1 Arm Mid-Mount 2AM 2 Arm Mid-Mount @ 180° 450PB Pier Base ⁽²⁾	B750SRLED Standard Roof B750BSRLED Bell Roof	5P Slip fit 3" OD x 3" tall tenon/pole ⁽³⁾ 73 Slip fit 3" OD x 4" tall tenon/pole 74 Slip fit 4" OD x 4" tall tenon/pole 990 Utility-Fitter, Slip fit 3" OD x 3" tall tenon/pole ⁽³⁾ 991 Utility-Fitter, Slip fit 3" OD x 3" tall tenon/pole ⁽³⁾ 992 Utility-Fitter, Slip fit 3" OD x 3" tall tenon/pole ⁽³⁾ 993 Utility-Fitter, Slip fit 3" OD x 3" tall tenon/pole ⁽³⁾ 994 Utility-Fitter, Slip fit 4" OD x 3" tall tenon/pole ⁽³⁾ 995 Utility-Fitter, Slip fit 4" OD x 3" tall tenon/pole ⁽³⁾ BD4 Slip fit 4" OD x 5" tall tenon/pole BD5 Slip fit 5" OD x 6" tall tenon/pole BD7 Slip fit 7" OD x 1" tall tenon/pole OL3 Oak-Leaf, Slip fit 3" OD x 3" tall tenon/pole OL4 Oak-Leaf, Slip fit 4" OD x 3" tall tenon/pole 588 Art-Deco, Slip fit 3" OD x 3" tall tenon/pole C2097 Low-Profile, Slip fit 7" OD x 1" tall tenon/pole ⁽³⁾ ⁽⁴⁾ ⁽⁵⁾	T Twist-Lock Option for Acorn	24L 24 LEDs 16L 16 LEDs 12L 12 LEDs	27 2,700K 30 3,000K 35 3,500K 40 4,000K 50 5,000K	T2 Type 2 T3 Type 3 T4 Type 4 T5 Type 5	MDL014 120V-277V, 140mA MDH014 347V-480V, 140mA MDL008 120V-277V, 80mA ⁽⁶⁾ MDH008 347V-480V, 80mA ⁽⁶⁾	A Clear Textured Acrylic Acorn P Clear Textured Poly Acorn

- Notes:
1. Use 3" fitter for arm applications.

2. For use with 3" fitters only

3. Fitter available with "Twist-lock" acorn option

4. Consult factory for use on concrete poles.

5. Not for use with button photocell

6. 12L system only.

How to Order

Optional Control Receptacle ^{(7) (8) (9)}	Optional Control	Optional Fuse ⁽¹³⁾	Optional Ring	Optional Receptacle ^{(8) (15)}	Optional Terminal Block ⁽⁸⁾	Optional House Side Shield ⁽¹⁶⁾	Optional Fixed Dimming Resistor Board ⁽¹¹⁾	Finish
R7 7-Pin control receptacle only	PE Twist-Lock Photocontrol (120V-277V) ⁽¹⁰⁾ PE4 Twist-Lock Photocontrol (347V-480V) ⁽¹⁰⁾ SC Shorting Cap ⁽¹⁰⁾ PEC Electronic Button Photocontrol (120V-277V) ^{(11) (12)} PEC4 Electronic Button Photocontrol (480V) ^{(11) (12)}	FHD Double Fuse and Holder	CDR Cast Deco Ring, GOLD medallions CDRP Cast Deco Ring, Medallions painted to match fixture CDRCL Cast Deco Ring, custom logo medallions ⁽¹⁴⁾ PBDR Perforated Brass Deco Ring, raw brass PBDRP Perforated Brass Deco Ring, painted to match fixture	GFI 120V, 15A Duplex GFI for Utility Fitter	TB Terminal Block	BLOC Back Light Optical Control	FDRB Fixed Dimming Resistor Board	BKT Black Textured ⁽¹⁷⁾ WHT White Textured ⁽¹⁷⁾ PGT Park Green Textured ⁽¹⁷⁾ ABZT Arch Med Bronze Tex ⁽¹⁷⁾ DBT Dark Bronze Textured ⁽¹⁷⁾ VG Verde Green SI Swedish Iron OWGT Old World Gray Tex OI Old Iron ⁽¹⁸⁾ RT Rust ⁽¹⁸⁾ WBR Weathered Brown ⁽¹⁸⁾ CD Cedar ⁽¹⁸⁾ WBK Weathered Black ⁽¹⁸⁾ TT Two Tone ⁽¹⁸⁾ CM Custom Match ⁽¹⁸⁾

Notes:

7. Not for use with FDRB.

8. For 900 series utility fitter only.

9. For use with standard 3-Pin photocells only, not for use with a wireless network controller.

10. Requires control receptacle.

11. Not for use with R7.

12. Not for use with C2097 fitter.

13. Ships loose for installation in base.

14. Consult factory for specification details.

15. For use with MDLxx driver only.

16. Not for use with T5 optic.

17. Smooth finishes are available upon request.

18. Custom colors require upcharge.

Specifications

Available with Intellistreets® Technology	Intellistreets® is an integrated set of solutions offering the capability to see, hear, and record what's happening on your streets, through both cameras and audio sensors.
Fitter	The sand cast fitter is a heavy wall, low-copper aluminum 356 alloy for enhanced corrosion resistance and high tensile strength. It will have an 8-1/2" inside diameter opening to attach to the 8" neck of the lens. It includes 4 stainless steel Allen-head set screws for attachment. The fitter will include a one-piece ring bug gasket to resist insect penetration. Utility Fitter: The die-cast fitter shall be heavy wall, low-copper 360 aluminum alloy for enhanced corrosion resistance and high tensile strength. It shall have a hinged, tool-less entry door that provides open access to all components. The 900 series shall have an optional terminal block for ease of wiring, an optional Twist-Lock Photocontrol receptacle, an optional single GFCI outlet for auxiliary power needs. The top mounted driver mounting plate will provide tool-less removal from the housing using 2 finger latches. The fitter shall have a one-piece ring gasket to resist insect penetration into globe assembly. When supplied with GFCI receptacle a hole will be provided for cord and plug installation with the access door closed. When cord and plug is not in use a filler plug will be provided and shall be tethered to the fitter for easy recovery and installation. Twist Lock Option: The TL (Twist-Lock) fitter will have a die-cast aluminum twist-lock mechanism. The tool-less, quarter turn action allows for easy acorn/globe removal and replacement. The twist-lock mechanism is mechanically attached to the globe and is removable if the globe is broken or needs replacing.
Cast Decorative Ring	Optional cast aluminum decorative ring (CDR) is made up of a 2.75" tall horizontal band with vertical slots and a 3" medallion in a GOLD finish. Alternate medallion version painted to match fitter (CDRP). Consult factory for custom logos.
Polished Brass Decorative Ring	Optional 2.25" tall perforated banding ring made of brass. Alternate version painted to match fitter (PBDRP)
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	Clear textured acorn offered in impact resistant DR acrylic or UV stabilized polycarbonate material. An injection molding process adds a textured surface for glare mitigation.
Serviceability	Tool-less access to the driver compartment after the acorn is removed allows for trouble free servicing of the LED Driver and Surge Suppressor.
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	IP65 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.
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.

Custom Finish	Custom finishes are offered to adapt to any application. Rust, Weathered Brown and Cedar are special 1 part powder coat finishes with a distinctive look. Old Iron and Weathered Black are 2 part finishes 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. Two-Tone and Custom Match options are 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 at 25°C. The high brightness, high-output white LEDs shall be 4000K nominal (2700K, 3000K, 3500K 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 3,500K (70+ CRI)=1.00 5,000K (70+ CRI)=1.00
Optics	The luminaire shall be provided with individual, refractor type optics applied to each LED. The luminaire shall provide Type ____ (2, 3, 4 or 5) light distribution per the IESNA classifications. Testing shall be done in accordance with IESNA LM-79.
Backlight Optical Control	BLOC Optic (BLOC): An optional "Back Light Optical Control" shield can be provided at the factory. This is an internal optic level "House Side Shield" offering significantly reduced backlight and glare while maintaining the original design aesthetics of the luminaire.
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: The photocontrol shall be mounted on the fixture and pre-wired to driver. The electronic button type photocontrol is instant on and will turn on at 1.5 footcandles and will turn off at 2-3 footcandles. See pole spec sheet for pole mounted version. Twist-Lock Style (Utility Fitter): The photocontrol shall be mounted in the utility fitter and prewired to driver. Utility fitter includes acrylic window to read ambient light levels. The twist lock type photocontrol is instant on with a 3-6 second turn off, and shall turn on at 1.5 footcandles with a turnoff at 2-3 footcandles. Photocontrol is 120-277 volt and warranted for 6 years. For use with standard photocells only, not for use with a wireless network controller.
Terminal Block	Requires Utility Fitter Optional 4-wire dual row terminal block. Includes #8-32 pan head screws. For use wire sizes 14-6 AWG. Component is UL recognized for 65A.

Lumen Chart(s)

Model #	T2 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T3 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T4 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T5 DELIVERED LUMENS	BUG	EFFICACY (LPW)	WATTAGE
24L-40-T_-MDL014	10400	B3U3G3	118.2	10455	B3U3G3	118.8	10590	B3U3G3	120.3	10935	B3U3G2	124.3	88
24L-30-T_-MDL014	9600	B3U3G3	109.1	9650	B3U3G3	109.7	9775	B3U3G3	111.1	10095	B3U3G2	114.7	88
24L-27-T_-MDL014	8800	B3U3G3	100.0	8845	B3U3G3	100.5	8960	B3U3G3	101.8	9255	B3U3G2	105.2	88
16L-40-T_-MDL014	6995	B2U3G2	116.6	7050	B2U3G3	117.5	7225	B2U3G2	120.4	7415	B3U3G2	123.6	60
16L-30-T_-MDL014	6455	B2U3G2	107.6	6510	B2U3G3	108.5	6670	B2U3G2	111.2	6845	B3U3G2	114.1	60
16L-27-T_-MDL014	5920	B2U3G2	98.7	5965	B2U3G3	99.4	6115	B2U3G2	101.9	6275	B3U3G2	104.6	60
12L-40-T_-MDL014	5255	B2U3G2	114.2	5280	B2U3G3	114.8	5420	B2U3G2	117.8	5640	B2U3G2	122.6	46
12L-30-T_-MDL014	4850	B2U3G2	105.4	4875	B2U3G3	106.0	5005	B2U3G2	108.8	5205	B2U3G2	113.2	46
12L-27-T_-MDL014	4445	B2U3G2	96.6	4470	B2U3G3	97.2	4585	B2U3G2	99.7	4770	B2U3G2	103.7	46
12L-40-T_-MDL008	3160	B1U3G1	117.0	3200	B1U3G2	118.5	3305	B1U3G1	122.4	3405	B2U3G2	126.1	27
12L-30-T_-MDL008	2915	B1U3G1	108.0	2955	B1U3G2	109.4	3050	B1U3G1	113.0	3145	B2U3G2	116.5	27
12L-27-T_-MDL008	2675	B1U3G1	99.1	2710	B1U3G2	100.4	2795	B1U3G1	103.5	2880	B2U3G2	106.7	27

Options

Button Photocell (PEC)

Fixed Dimming Resistor Board (FDRB)

Double Fuse Holder & (2) 3A Fuses (FHD)

NEMA Receptacle Shorting Cap (SC)

Cast Decorative Ring with CUSTOM LOGO (CDRCL)

Perforated Brass Decorative Ring (PBDR)

Fitters



5P Fitter
10-1/8" W x 10-3/8" H
Fits 3" OD x 3" tall tenon/pole



BD4 Fitter
10-1/8" W x 10-1/8" H
Fits 4" OD x 5" tall tenon/pole



BD5 Fitter
10-1/8" W x 10-1/4" H
Fits 5" OD x 6" tall tenon/pole



BD7 Fitter
10-1/8" W x 11-3/4" H
Fits 7" OD x 1" tall tenon/pole



588 Fitter
14-1/2" W x 14-1/4" H
Fits 3" OD x 3" tall tenon/pole



C2097 Fitter
10" W x 3-1/4" H
Fits 7" OD x 1" tall tenon/pole



992 Utility Fitter
10-1/2" W x 13-1/8" H
Fits 3" OD x 3" tall tenon/pole



991 Utility Fitter
10-1/2" W x 13-1/8" H
Fits 3" OD x 3" tall tenon/pole



OL3 (or OL4) Fitter
10-1/8" W x 10-3/8" H
Fits 3" (or 4") OD x 3" tall tenon/pole



990 (or 994) Utility Fitter
10-1/2" W x 15-3/4" H
Fits 3" (or 4") OD x 3" tall tenon/pole



993 (or 995) Utility Fitter
10-1/2" W x 15-3/4" H
Fits 3" (or 4") OD x 3" tall tenon/pole



73 (or 74) Fitter
9-3/4" W x 13-1/4" H
Fits 3" (or 4") OD x 4" tall tenon/pole

Utility Fitter Details

Optional Accessories

990 Utility Fitter

