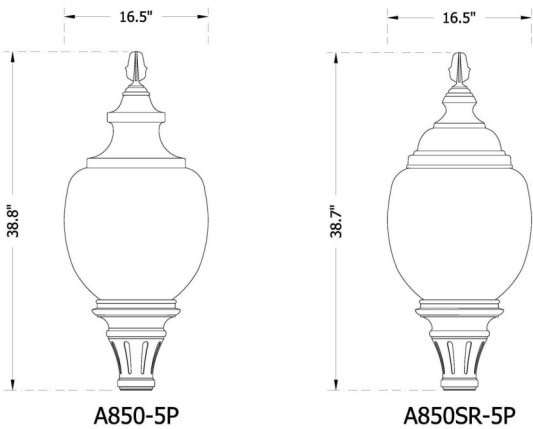


Project Name

Qty

Type

Catalog / Part Number



7 Year Warranty

7

Mounting Configuration

Wall Mount

2 Arm Mount @ 180°

3 Arms @ 90°

1 Arm Mid-Mount

Post Top

2 Arm Mount @ 90°

3 Arm @ 120° & Post Top

2 Arm Mid-Mount @180°

1 Arm Mount

2 Arm @ 180° & Post Top

4 Arms @ 90°

Pier Base

1 Arm & Post Top

3 Arms @ 120°

4 Arm @ 90° & Post Top

Description

The A850 VCOB Old Town acorn is offered with variety of fitter options. The large scale textured acorn is offered in clear or white, in acrylic or poly material. The fixture is available with a spun solid roof (**A850SR**) for added distinction and reduced uplight.

EPA: 1.21 (#2) | WEIGHT: 26 LBS

Features

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

HSS: 120° House Side Shield

Optional Fixed Dimming Resistor Board

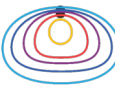
FDRB: Fixed Dimming Resistor Board

Sternberg

555 Lawrence Ave, Roselle, IL, 60172, US | T 847-588-3400 | contactus@sternberglighting.com
www.sternberglighting.com www.sternberglighting.com/products/652

Sternberg reserves the right to make changes to this product at any time without prior notice and such modification shall be effective immediately.
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Finish		Physical					
 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 Cedar Brown	 Weathered Black	 Two Tone	 Custom Match				
CCT - Color Temp (K)							
 2,700K	 3,000K	 3,500K	 4,000K	 5,000K			
Distribution Type							
 Type Asymmetric		 Type Symmetric					
Certifications							
 							
Fixture		A850: Open Acorn			A850SR: Solid 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 WA: White Textured Acrylic Acorn WP: White Textured Poly					
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		VCOB-4L: 4 LEDs					
CCT - Color Temp (K)		27: 2,700K 35: 3,500K 50: 5,000K			30: 3,000K 40: 4,000K		
Distribution Type		TS: Type Symmetric			TA: Type Asymmetric		
Electrical and control							
Driver		MDL02: 120V-277V, 250mA MDL03: 120V-277V, 350mA MDL05: 120V-277V, 500mA			MDH02: 347V-480V, 250mA MDH03: 347V-480V, 350mA MDH05: 347V-480V, 500mA		

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° ⁽²⁾ 3A90 3 Arms @ 90° 3APT 3 Arm @ 120° & Post Top ⁽²⁾ 4A 4 Arms @ 90° 4APT 4 Arm @ 90° & Post Top 1AM 1 Arm Mid-Mount 2AM 2 Arm Mid-Mount @ 180° 450PB Pier Base ⁽³⁾	A850 Open Acorn A850SR Solid Roof	5P Slip fit 3" OD x 3" tall tenon/pole ⁽⁴⁾ 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 ⁽⁴⁾ 991 Utility-Fitter, Slip fit 3" OD x 3" tall tenon/pole ⁽⁴⁾ 992 Utility-Fitter, Slip fit 3" OD x 3" tall tenon/pole ⁽⁴⁾ 993 Utility-Fitter, Slip fit 3" OD x 3" tall tenon/pole ⁽⁴⁾ 994 Utility-Fitter, Slip fit 4" OD x 3" tall tenon/pole ⁽⁴⁾ 995 Utility-Fitter, Slip fit 4" OD x 3" tall tenon/pole ⁽⁴⁾ 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 ⁽⁴⁾ ⁽⁵⁾	T Twist-Lock Option for Acorn	VCOB-4L 4 LEDs	27 2,700K 30 3,000K 35 3,500K 40 4,000K 50 5,000K	TS Type Symmetric TA Type Asymmetric	MDL02 120V-277V , 250mA MDH02 347V-480V , 250mA MDL03 120V-277V , 350mA MDH03 347V-480V , 350mA MDL05 120V-277V , 500mA MDH05 347V-480V , 500mA	A Clear Textured Acrylic Acorn P Clear Textured Poly Acorn WA White Textured Acrylic Acorn WP White Textured Poly

Notes:

1. Use 3" fitter for arm applications.
2. Only available with a round profile pole.
3. For use with 3" fitters only

4. Fitter available with "Twist-lock" acorn option
5. Consult factory for use on concrete poles.

How to Order

Optional Control Receptacle ^{(6) (7)}	Optional Control	Optional Fuse ⁽¹¹⁾	Optional Ring	Optional Receptacle ^{(7) (13)}	Optional Terminal Block ⁽⁷⁾	Optional House Side Shield ⁽¹⁴⁾	Optional Fixed Dimming Resistor Board ⁽⁹⁾	Finish
R7 7-Pin control receptacle only	PE Twist-Lock Photocontrol (120V-277V) ⁽⁸⁾ PE4 Twist-Lock Photocontrol (347V-480V) ⁽⁸⁾ SC Shorting Cap ⁽⁸⁾ PEC Electronic Button Photocontrol (120V-277V) ^{(9) (10)} PEC4 Electronic Button Photocontrol (480V) ^{(9) (10)}	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 ⁽¹²⁾ 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	HSS 120° House Side Shield	FDRB Fixed Dimming Resistor Board	BKT Black Textured ⁽¹⁵⁾ WHT White Textured ⁽¹⁵⁾ PGT Park Green Textured ⁽¹⁵⁾ ABZT Arch Med Bronze Tex ⁽¹⁵⁾ DBT Dark Bronze Textured ⁽¹⁵⁾ VG Verde Green SI Swedish Iron OWGT Old World Gray Tex OI Old Iron ⁽¹⁶⁾ RT Rust ⁽¹⁶⁾ WBR Weathered Brown ⁽¹⁶⁾ CD Cedar ⁽¹⁶⁾ WBK Weathered Black ⁽¹⁶⁾ TT Two Tone ⁽¹⁶⁾ CM Custom Match ⁽¹⁶⁾

Notes:

6. Not for use with FDRB.

7. For 900 series utility fitter only.

8. Requires control receptacle.

9. Not for use with R7.

10. Not for use with C2097 fitter.

11. Ships loose for installation in base.

12. Consult factory for specification details.

13. For use with MDLxx driver only.

14. Not for use with TS optic.

15. Smooth finishes are available upon request.

16. Custom colors require upcharge.

Specifications

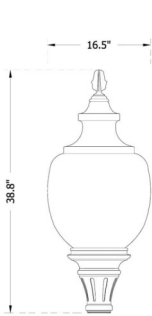
Available with Intellistreets® Technology	Intellistreets® is an integrated set of solutions offering the capability to see, hear, and record what's happening on your streets, through both cameras and audio sensors.
Fitter	The sand cast fitter is a heavy wall, low-copper aluminum 356 alloy for enhanced 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 or White textured acorn offered in dent 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.
DLC Listed	Not all product variations listed on this page are DLC qualified. Visit https://qpl.designlights.org to confirm qualification, or consult factory.
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.
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 mounted vertically. They fully illuminate the luminaire and allow some up-light for vertical illumination. 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
Optics	The luminaire shall be provided with individual, refractor type optics applied to each LED. The luminaire shall provide Type ____ (Symmetric or Asymmetric) light distribution. Testing shall be done in accordance with IESNA LM-79.
Backlight Optical Control	An optional INTERNAL 120° House Side Shield helps control backlight.
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.

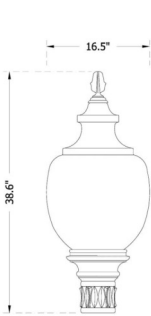
Lumen Chart(s)

Model #	TA DELIVERED LUMENS	BUG	EFFICACY (LPW)	TS DELIVERED LUMENS	BUG	EFFICACY (LPW)	WATTAGE
4L40T_-MDL05	8200	B2U4G3	109.3	7980	B3U4G3	106.4	75
4L30T_-MDL05	7940	B2U4G3	105.9	7730	B3U4G3	103.1	75
4L27T_-MDL05	7220	B2U4G3	96.3	7025	B3U4G3	93.7	75
4L40T_-MDL03	6440	B2U4G3	117.1	6245	B3U4G3	113.5	55
4L30T_-MDL03	6235	B2U4G3	113.4	6050	B3U4G3	110.0	55
4L27T_-MDL03	5670	B2U4G3	103.1	5500	B3U4G3	100.0	55
4L40T_-MDL02	4755	B2U3G2	118.9	4610	B2U4G2	115.3	40
4L30T_-MDL02	4605	B2U3G2	115.1	4465	B2U4G2	111.6	40
4L27T_-MDL02	4185	B2U3G2	104.6	4060	B2U4G2	101.5	40

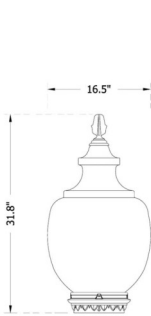
Dimensions



Full Acorn, "5P" Fitter
(A850-5P)



Full Acorn, "BD4" Fitter
(A850-BD4)



Full Acorn, "C2097" Fitter
(A850-C2097)



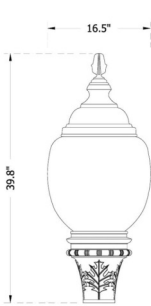
Full Acorn, "5P" Fitter, Pier Base
(450PB-A850-5P)



Solid Roof, "5P" Fitter
(A850SR-5P)



Solid Roof, "73" Fitter
(A850SR-73)



Solid Roof, "OL3" Fitter
(A850SR-OL3)



Solid Roof, "992T" Fitter
(A850SR-992T)

Options



Twist-Lock Ring (TL)



Button Photocell (PEC)



Perforated Brass Decorative Ring (PBDR)



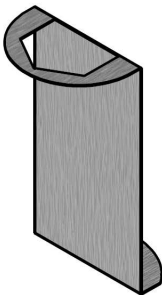
Cast Decorative Ring (CDR)



Fixed Dimming Resistor Board (FDRB)



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



House Side Shield (HSS)



NEMA Receptacle Shorting Cap (SC)

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

