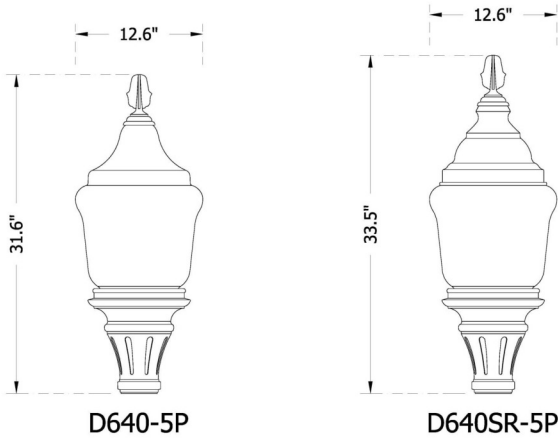


Project Name

Qty

Type

Catalog / Part Number



Certifications	Description
	The D640 VCOB Boulevard acorn is offered with variety of fitter options. The medium scale textured acorn is offered in clear acrylic or poly, also offered in white poly material. The fixture is available in a solid roof (D640SR) for added distinction and reduced uplight.
Mounting Configuration	EPA: 1.21 (#2) WEIGHT: 22 LBS
 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	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

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

CCT - Color Temp (K)



2,700K



3,000K



3,500K

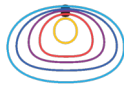


4,000K



5,000K

Distribution Type



Type
Asymmetric



Type
Symmetric

Physical

Fixture	D640: Full Acorn, Medium Boulevard D640SR: Solid Roof, Medium Boulevard	
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 WP: White Textured Poly	
Optional Receptacle	GFI: 120V, 15A Duplex GFI for Utility Fitter	
Optional Terminal Block	TB: Terminal Block	
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 OI: Old Iron RT: Rust WBR: Weathered Brown CD: Cedar WBK: Weathered Black TT: Two Tone CM: Custom Match	

Light Source

LED	VCOB-4L: 4 LEDs	
CCT - Color Temp (K)	27: 2,700K	30: 3,000K
	35: 3,500K	40: 4,000K
	50: 5,000K	
Distribution Type	TS: Type Symmetric	TA: Type Asymmetric

Electrical and control

Driver	MDL02: 120V-277V, 250mA	MDH02: 347V-480V, 250mA
	MDL03: 120V-277V, 350mA	MDH03: 347V-480V, 350mA
	MDL05: 120V-277V, 500mA	MDH05: 347V-480V, 500mA

How to Order

Mounting Configuration ⁽¹⁾	Fixture	Fitter	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⁾	D640 Full Acorn, Medium Boulevard D640SR Solid Roof, Medium Boulevard	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⁾ ⁽⁶⁾	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 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.

6. Not for use with button photocell

How to Order

Optional Control Receptacle ⁽⁷⁾ ⁽⁸⁾ ⁽⁹⁾	Optional Control	Optional Fuse ⁽¹²⁾	Optional Receptacle ⁽⁷⁾ ⁽¹³⁾	Optional Terminal Block ⁽⁷⁾	Optional House Side Shield ⁽¹⁴⁾	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⁾ PEC4 Electronic Button Photocontrol (480V) ⁽¹¹⁾	FHD Double Fuse and Holder	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:

7. For 900 series utility fitter only.

8. Not for use with FDRB.

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. Ships loose for installation in base.

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.
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. UV stabilized polycarbonate material offered in white only. 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.
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	7385	B2U5G3	98.5	7500	B3U5G3	100.0	75
4L30T_-MDL05	7155	B2U5G3	95.4	7265	B3U5G3	96.9	75
4L27T_-MDL05	6505	B2U5G3	86.7	6605	B3U5G3	88.1	75
4L40T_-MDL03	5820	B2U4G3	103.9	5900	B3U4G3	105.4	56
4L30T_-MDL03	5635	B2U4G3	100.6	5715	B3U4G3	102.1	56
4L27T_-MDL03	5125	B2U4G3	91.5	5195	B3U4G3	92.8	56
4L40T_-MDL02	4355	B1U4G2	108.9	4375	B2U4G2	109.4	40
4L30T_-MDL02	4220	B1U4G2	105.5	4235	B2U4G2	105.9	40
4L27T_-MDL02	3835	B1U4G2	95.9	3850	B2U4G2	96.3	40

Dimensions



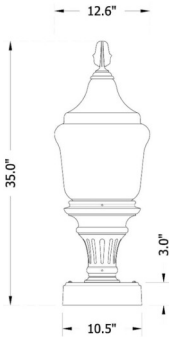
Full Acorn, "5P" Fitter
(D640-5P)



Full Acorn, "BD4" Fitter
(D640-BD4)



Full Acorn, "C2097" Fitter
(D640-C2097)



Pier Base
(450PB-D640-5P)



Solid Roof, "5P" Fitter
(D640SR-5P)



Solid Roof, "OL_" Fitter
(D640SR-OL_)



Solid Roof, "7_" Fitter
(D640SR-7_)



Solid Roof, "992T" Fitter
(D640SR-992T)

Options



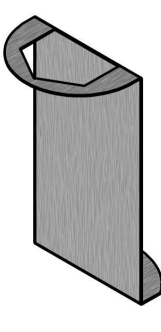
Button Photocell (PEC)



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



Fixed Dimming Resistor Board
(FDRB)



House Side Shield (HSS)

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

