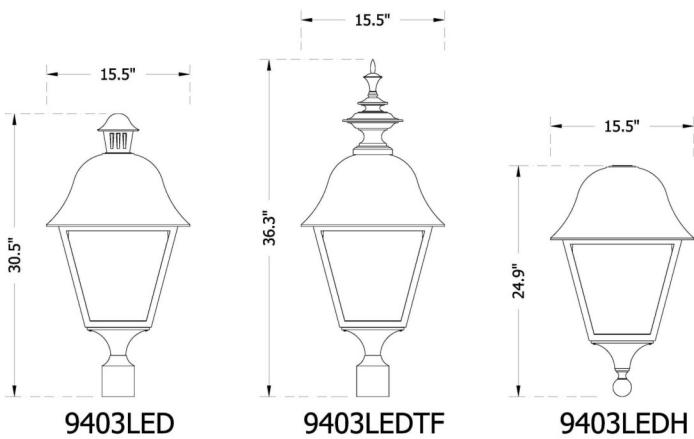


Project Name _____

Qty _____

Type _____

Catalog / Part Number _____



7 Year Warranty



Mounting Configuration


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


Stem Hung


Chain Hung


Catenary

Description

The 9403 fixture is made of heavy wall cast aluminum, 356 alloy, and acrylic lenses. The fixture cage is a one piece cast aluminum. The fixture is appointed with a cast square cupola house or a 6" tall roof finial.

EPA: 2.15 (#²) | WEIGHT: 19 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
- SH28: Stem Hung
- CH28: Chain Hung
- CAT: Catenary

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



Finish



Black
Textured



White
Textured



Park
Green
Textured



Arch
Medium
Bronze
Textured



Dark
Bronze
Textured



Verde
Green



Swedish
Iron



Old
World
Gray
Textured



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 2



Type 3



Type 4



Type 5

Certifications



Optional Hangstraight	HSHS: Standard Horizontal Hangstraight, Spike Finial HSHN: Standard Horizontal Hangstraight, No Finial HSHB: Standard Horizontal Hangstraight, Ball Finial EZ: Vertical Hangstraight, Large, "EZ" Mount
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Optional House Side Shield	HSSP: House Side Shield, Panel Style
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Optional Fixed Dimming Resistor Board	FDRB: Fixed Dimming Resistor Board
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Physical

Fixture	9403LED: State, Cupola, Post Top 9403LEDTF: State, Tall Finial, Post Top 9403LEDH: State, Hanging
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Fitter	SF: Standard Fitter, Remote Driver FB: Frog Base Fitter, Remote Driver BB: Ballast Box Fitter, Integral Driver
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Lens	CSA: Clear Seeded Acrylic CTA: Clear Textured Acrylic SV1: Flat Soft Vue Light Diffused Acrylic SV2: Flat Soft Vue Moderate Diffused Acrylic SV4: Flat Soft Vue Maximum Diffused Acrylic PA: Prismatic Acrylic
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Optional Chimney	FHC: Frosted Hurricane Chimney
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Optional Internal Diffusing Lens	SV1D: Light diffused internal dome lens SV2D: Moderate diffused internal dome lens
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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 Medium Bronze Textured VG: Verde Green OWGT: Old World Gray Textured RT: Rust CD: Cedar TT: Two Tone
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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	T2: Type 2	T3: Type 3
	T4: Type 4	T5: Type 5

Electrical and control

Driver	MDL03: 120V-277V, 300mA MDH03: 347V-480V, 300mA MDL05: 120V-277V, 500mA MDH05: 347V-480V, 500mA MDL07: 120V-277V, 700mA MDH07: 347V-480V, 700mA MDL11: 120V-277V, 1100mA MDH11: 347V-480V, 1100mA
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How to Order

Mounting Configuration	Overall Drop Length (In Inches) ⁽⁵⁾ ⁽⁶⁾	Fixture	Fitter ⁽¹⁾	LED	CCT - Color Temp (K)	Distribution Type	Driver	Lens
1W Wall Mount PT Post Top ⁽¹⁾ 1A 1 Arm Mount 1APT 1 Arm & Post Top ⁽¹⁾ 2A 2 Arm Mount @ 180° 2A90 2 Arm Mount @ 90° 2APT 2 Arm @ 180° & Post Top ⁽¹⁾ 3A 3 Arms @ 120° ⁽²⁾ 3A90 3 Arms @ 90° 3APT 3 Arm @ 120° & Post Top ⁽¹⁾ ⁽²⁾ 4A 4 Arms @ 90° 4APT 4 Arm @ 90° & Post Top ⁽¹⁾ 1AM 1 Arm Mid-Mount 2AM 2 Arm Mid-Mount @180° 450PB Pier Base ⁽¹⁾ SH28 Stem Hung ⁽³⁾ CH28 Chain Hung ⁽³⁾ CAT Catenary ⁽³⁾ ⁽⁴⁾		9403LED State, Cupola, Post Top 9403LEDTF State, Tall Finial, Post Top 9403LEDH State, Hanging	SF Standard Fitter, Remote Driver FB Frog Base Fitter, Remote Driver BB Ballast Box Fitter, Integral Driver	1L 1 LED	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	MDL03 120V-277V, 300mA MDH03 347V-480V, 300mA MDL05 120V-277V, 500mA MDH05 347V-480V, 500mA MDL07 120V-277V, 700mA MDH07 347V-480V, 700mA MDL11 120V-277V, 1100mA MDH11 347V-480V, 1100mA	CSA Clear Seeded Acrylic CTA Clear Textured Acrylic SV1 Flat Soft Vue Light Diffused Acrylic SV2 Flat Soft Vue Moderate Diffused Acrylic SV4 Flat Soft Vue Maximum Diffused Acrylic PA Prismatic Acrylic

Notes:

1. For use with Post Top fixture only.

2. Only available with a round profile pole.

3. For use with hanging (H) fixture only.

4. Requires EZ hang-straight.

5. Required field for Stem or Chain Mounting Configuration.

6. Minimum 37" Overall Drop Length.

How to Order

Optional Control Receptacle ⁽⁷⁾ ⁽⁸⁾ ⁽⁹⁾	Optional Control	Optional Fuse ⁽¹²⁾	Optional Chimney ⁽¹³⁾	Optional Hangstraight ⁽³⁾	Optional House Side Shield ⁽¹⁵⁾	Optional Internal Diffusing Lens ⁽¹⁶⁾	Optional Fixed Dimming Resistor Board ⁽¹⁴⁾	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	FHC Frosted Hurricane Chimney	HS Standard Horizontal Hangstraight, Spike Finial HSN Standard Horizontal Hangstraight, No Finial HSB Standard Horizontal Hangstraight, Ball Finial EZ Vertical Hangstraight, Large, "EZ" Mount ⁽¹⁴⁾	HSSP House Side Shield, Panel Style	SV1D Light diffused internal dome lens SV2D Moderate diffused internal dome lens	FDRB Fixed Dimming Resistor Board	BKT Black Textured ⁽¹⁷⁾ WHT White Textured ⁽¹⁷⁾ PGT Park Green Textured ⁽¹⁷⁾ ABZT Arch Medium Bronze Textured ⁽¹⁷⁾ DBT Dark Bronze Textured ⁽¹⁷⁾ VG Verde Green SI Swedish Iron OWGT Old World Gray Textured 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:
3. For use with hanging (H) fixture only.

7. Not for use with FDRB.

8. Not for use with STEM, CHAIN, CAT, or EZ mounting style.

9. Only available with HORIZONTAL hangstraight.

10. Requires control receptacle.

11. Requires B8 fitter or CAT mounting configuration

12. Ships loose for installation in base.

13. Not compatible with SV1D or SV2D options.

14. Not for use with R7.

15. Not for use with TS optic.

16. Not for use with FHC

17. Smooth finishes are available upon request.

18. Custom colors require upcharge.

Specifications

Fitter	The fitter will be cast aluminum and shall slip fit a 3" OD x 3" tall tenon. It includes 4 stainless steel Allen-head set screws for attachment to a pole/tenon. The Standard Fitter (SF) naturally tapers from the fixture to the pole (REQUIRES REMOTE DRIVER) The Frog Base Fitter (FB) is a decorative 4 leg open fitter (REQUIRES REMOTE DRIVER) The Ballast Box Fitter (BB) extends the lower housing with a matching profile (INTEGRAL DRIVER TO LUMINAIRE)
Hang-Straight	A hang-straight transition is required for most hanging mounting configurations. The Standard (HSHx) is an aluminum ball and swivel horizontal hang-straight. Available with a spike (S), a ball (B), or no finial (N). The hang-straight slips a 4" long by 2-3/8" OD horizontal tenon. The (EZ) is a cast stainless steel ball and swivel vertical hang-straight. The special 2-part design allows for easy installation. It is factory installed under an arm and on the fixture.
Catenary Mount	The Catenary mount option includes a cast aluminum span wire clamp, which accommodates cables 1/4"-5/8" in diameter. Below the clamp is a decorative cast aluminum wire box and cover which transitions to the EZ vertical Hangstraight for fixture attachment. Aircraft Cable by others.
Internal Lens	An optional internal diffusing dome lens can be added for visual comfort. Suggested for use with CSA lenses, but can be used in addition to any other external lens. Optional (SV1D) light diffused acrylic dome lens. Optional (SV2D) moderate diffused acrylic dome lens.
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 SoftVue™ lens provides optimal visual comfort. The lantern includes a variety of 1/8" thick lenses installed internally to the body and held in place with aluminum clips. (CSA) Clear Seeded Acrylic (CTA) Clear Textured Acrylic (SV1) Soft Vue Light Diffused Acrylic (SV2) Soft Vue Moderate Diffused Acrylic (SV4) Soft Vue Maximum Diffused Acrylic (PA) Prismatic Acrylic
Serviceability	Easy access to service the lens in the field.
UL Listing	UL listed per UL1598 and CSA 22.2 No. 250.0 for the United States and Canada. Suitable for Wet Locations.
Electronic Drivers	The LED driver is UL recognized and will be securely mounted inside the fixture OR remotely mounted in the field, arm, pole or base depending on the selected options. 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.



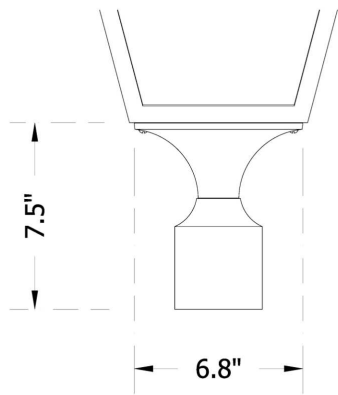
Custom Finish	Custom finishes are offered to adapt to any application. Rust, Weathered Brown and Cedar are special 1 part powder coat finishes with a distinctive look. Old Iron and Weathered Black are 2 part finishes that includes a powder coat base coat with a hand applied antique top coat. The top 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 fully shielded in a direct downward position to maximize efficiency. 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 ____ (2, 3, 4 or 5) light distribution per the IESNA classifications. Testing shall be done in accordance with IESNA LM-79.
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.
Frosted Chimney	An optional hourglass shaped opal glass Hurricane Chimney sits a top a decorative brass holder. This ornate feature adds a decorative element inside the lens to create a classic look.
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	Twist-Lock Style (Hangstraight Mount): The photocontrol shall be mounted externally on the hangstraight and pre-wired to driver. 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 turn-off at 2-3 footcandles. If an R7 is specified alongside a BALL or SPIKE style finial on hang-straight, a decorative cap (with window) is included to cover a STANDARD photocell. Use the NO FINIAL hangstraight option if the R7 is used with a WIRELESS CONTROLLER . Button Photocell: The photocontrol shall be mounted on the "CAT" or "BB" fitter 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. See pole spec sheet for pole mounted version.

Lumen Chart(s)

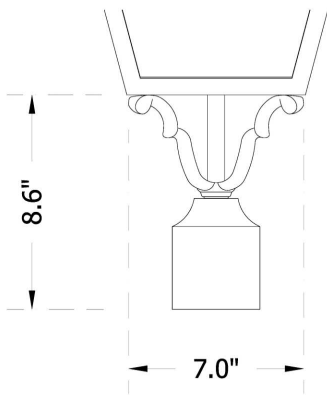
Tested with CSA lens

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
1L40T_-MDL11	6525	B2U3G2	105.2	6435	B2U3G2	103.8	6675	B1U3G2	107.7	7115	B3U3G1	114.8	62
1L30T_-MDL11	6360	B2U3G2	102.6	6270	B2U3G2	101.1	6505	B1U3G2	104.9	6935	B3U3G1	111.9	62
1L27T_-MDL11	5775	B2U3G2	93.1	5695	B2U3G2	91.9	5910	B1U3G2	95.3	6300	B3U3G1	101.6	62
1L40T_-MDL07	4345	B2U2G2	108.6	4285	B2U3G2	107.1	4440	B1U3G2	111.0	4715	B2U3G1	117.9	40
1L30T_-MDL07	4235	B2U2G2	105.9	4175	B2U3G2	104.4	4325	B1U3G2	108.1	4595	B2U3G1	114.9	40
1L27T_-MDL07	3845	B2U2G2	96.1	3795	B2U3G2	94.9	3930	B1U3G2	98.3	4175	B2U3G1	104.4	40
1L40T_-MDL05	3180	B1U2G1	109.7	3155	B1U2G1	108.8	3240	B1U2G2	111.7	3450	B2U2G1	119.0	29
1L30T_-MDL05	3100	B1U2G1	106.9	3075	B1U2G1	106.0	3155	B1U2G2	108.8	3360	B2U2G1	115.9	29
1L27T_-MDL05	2815	B1U2G1	97.1	2795	B1U2G1	96.4	2870	B1U2G2	99.0	3055	B2U2G1	105.3	29
1L40T_-MDL03	1930	B1U2G1	101.6	1910	B1U2G1	100.5	1950	B1U2G1	102.6	2100	B1U2G1	110.5	19
1L30T_-MDL03	1880	B1U2G1	98.9	1860	B1U2G1	97.9	1900	B1U2G1	100.0	2045	B1U2G1	107.6	19
1L27T_-MDL03	1710	B1U2G1	90.0	1690	B1U2G1	88.9	1725	B1U2G1	90.8	1860	B1U2G1	97.9	19

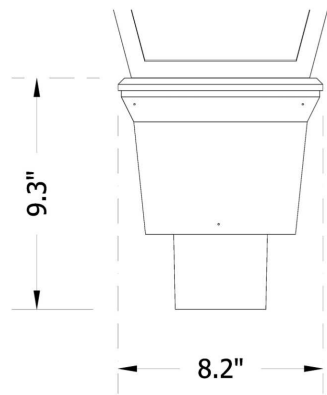
Fitters



Standard Fitter
(SF)



Frog Base Fitter
(FB)



Ballast Box Fitter
(BB)

Dimensions



Cupola, SF fitter, Post Top
(9403LED-SF)



Cupola, FB fitter, Post Top
(9403LED-FB)



Cupola, BB fitter, Post Top
(9403LED-BB)



Tall Finial, SF fitter, Post Top
(9403LEDTF-SF)



Tall Finial, FB fitter, Post Top
(9403LEDTF-FB)



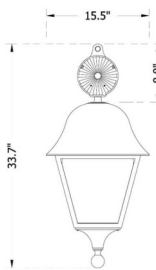
Tall Finial, BB fitter, Post Top
(9403LEDTF-BB)



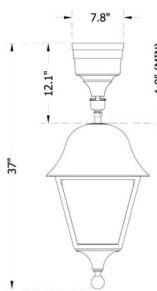
Hanging
(9403LEDH)



Pier Base (450PB)



Catenary Mount (CAT)



Stem Hung/Chain Hung
(SH28/CH28)

Hangstraight

Horizontal Hang-straight slip fit 4" long by 2-3/8" OD horizontal tenon



Standard Horizontal Hangstraight, Spike Finial (HSHS)



Standard Horizontal Hangstraight, Ball Finial (HSHB)



Standard Horizontal Hangstraight, No Finial (HSHN)



"EZ" Vertical hangstraight (EZ)

Options



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



Frosted Hurricane Chimney, Opal Glass (FHC)



Fixed Dimming Resistor Board (FDRB)



Internal Diffused Soft Vue Dome (SV1D/SV2D)



7-Pin NEMA Twist-Lock Receptacle (R7)



NEMA Receptacle Shorting Cap (SC)



Button Photocell (PEC/PEC4)