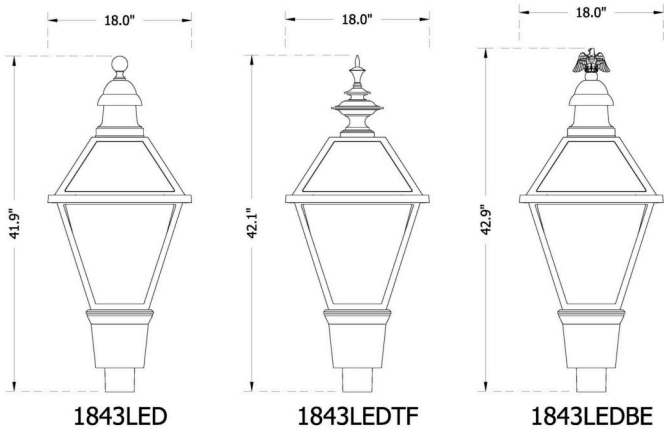


Project Name

Qty

Type

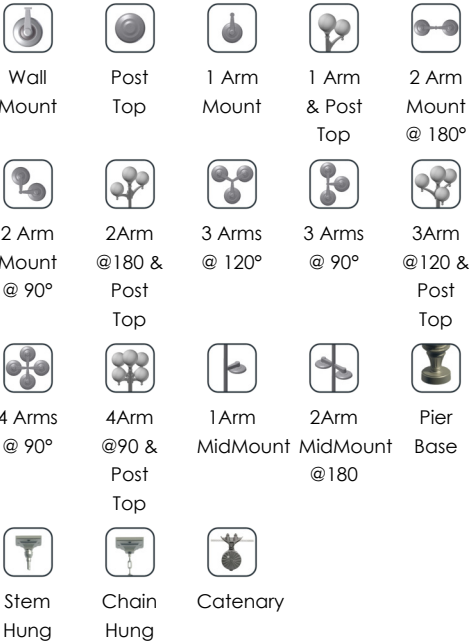
Catalog / Part Number



Certifications



Mounting Configuration



Description

The 1843LED Carson City series is a large scale, traditionally styled colonial fixture featuring a tapered four sided cage and roof. The four-paneled roof is appointed with a decorative cast aluminum finial and a hinged roof.

EPA: 3.77 (ft²) | WEIGHT: 55 LBS

Features

Mounting Configuration

- 1W:** Wall Mount
1A: 1 Arm Mount
2A: 2 Arm Mount @ 180°
2APT: 2Arm @180 & Post Top
3A90: 3 Arms @ 90°
4A: 4 Arms @ 90°
1AM: 1Arm MidMount
450PB: Pier Base
CH44: Chain Hung
- PT:** Post Top
1APT: 1 Arm & Post Top
2A90: 2 Arm Mount @ 90°
3A: 3 Arms @ 120°
3APT: 3Arm @120 & Post Top
4APT: 4Arm @90 & Post Top
2AM: 2Arm MidMount @180
SH44: Stem Hung
CAT: Catenary

Fixture

- 1843LED:** Carson City
1843LEDBE: Carson City, Brass Eagle
1843LEDTF: Carson City, Tall Finial
1843LEDH: Carson City, Hanging

Lens

- SV1:** Flat SoftVue™ Light Diffused Acrylic
SV2: Flat SoftVue™ Moderate Diffused Acrylic
SV4: Flat SoftVue™ Maximum Diffused Acrylic
CTA: Clear Textured Acrylic
CSA: Clear Seeded Acrylic
PA: Prismatic Acrylic
ATA: Amber Textured Acrylic

Optional Control

- PEC:** Electronic Button Photocontrol (120V-277V)
PEC4: Electronic Button Photocontrol (480V)

Optional Fuse

- FHD:** Double Fuse and Holder

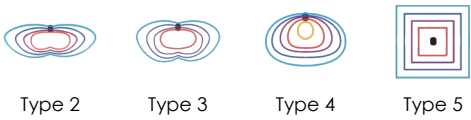
Finish



CCT - Color Temp (K)



Distribution Type



Optional Hangstraight	HSHB: Standard Horizontal Hangstraight, Ball Finial HSHS: Standard Horizontal Hangstraight, Spike Finial HSHN: Standard Horizontal Hangstraight, No Finial EZ: Vertical Hangstraight, Large, "EZ" Mount	
Optional House Side Shield	BLOC: Back Light Optical Control	
Optional Chimney	FHC: Frosted Hurricane Chimney	
Optional Internal Flat Lens	SV1F: Light diffused internal flat lens SV2F: Moderate diffused internal flat lens SV4F: Maximum diffused internal flat lens	
Optional Fixed Dimming Resistor Board	FDRB: Fixed Dimming Resistor Board	
Finish	BKT: Black Textured WHT: White Textured PGT: Park Green Textured ABZT: Arch Med Bronze Tex DBT: Dark Bronze Textured CM: Custom Match OI: Old Iron RT: Rust WBR: Weathered Brown CD: Cedar WBK: Weathered Black TT: Two Tone VG: Verde Green SI: Swedish Iron OWGT: Old World Gray Tex	
Light Source		
LED	32L: 32 LEDs 16L: 16 LEDs	24L: 24 LEDs 12L: 12 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
Driver	MDL008: 120V-277V, 80mA MDL014: 120V-277V, 140mA MDL016: 120V-277V, 160mA MDL018: 120V-277V, 180mA	MDH008: 347V-480V, 80mA MDH014: 347V-480V, 140mA MDH016: 347V-480V, 160mA MDH018: 347V-480V, 180mA

Important

Virtual Patent Marking Notice

This website (<https://www.lmpg.com/patents-trademarks>) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

How to Order

Mounting Configuration	Overall Drop Length (In Inches) ⁽¹⁾	Fixture	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 2Arm @180 & Post Top 3A 3 Arms @ 120° 3A90 3 Arms @ 90° 3APT 3Arm @120 & Post Top 4A 4 Arms @ 90° 4APT 4Arm @90 & Post Top 1AM 1Arm MidMount 2AM 2Arm MidMount @180 450PB Pier Base SH44 Stem Hung CH44 Chain Hung CAT Catenary		1843LED Carson City 1843LEDBE Carson City, Brass Eagle 1843LEDTF Carson City, Tall Finial 1843LEDH Carson City, Hanging	32L 32 LEDs 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	MDL008 120V-277V, 80mA ⁽²⁾ MDH008 347V-480V, 80mA ⁽²⁾ MDL014 120V-277V, 140mA ⁽³⁾ MDH014 347V-480V, 140mA ⁽³⁾ MDL016 120V-277V, 160mA ⁽⁴⁾ MDH016 347V-480V, 160mA ⁽⁴⁾ MDL018 120V-277V, 180mA ⁽⁵⁾ MDH018 347V-480V, 180mA ⁽⁵⁾	SV1 Flat SoftVue™ Light Diffused Acrylic SV2 Flat SoftVue™ Moderate Diffused Acrylic SV4 Flat SoftVue™ Maximum Diffused Acrylic CTA Clear Textured Acrylic CSA Clear Seeded Acrylic PA Prismatic Acrylic ATA Amber Textured Acrylic

- Notes:
1. Required field for Stem or Chain Mounting Configuration.

2. 12L system only.

3. 12L or 24L system only.

4. 16L and 32L systems only.

5. 24L system only.

How to Order

Optional Control	Optional Fuse ⁽⁶⁾	Optional Hangstraight	Optional House Side Shield ⁽⁷⁾	Optional Chimney	Optional Internal Flat Lens	Optional Fixed Dimming Resistor Board	Finish
PEC Electronic Button Photocontrol (120V-277V) PEC4 Electronic Button Photocontrol (480V)	FHD Double Fuse and Holder	HSHB Standard Horizontal Hangstraight, Ball Finial HSHS Standard Horizontal Hangstraight, Spike Finial HSHN Standard Horizontal Hangstraight, No Finial EZ Vertical Hangstraight, Large, "EZ" Mount	BLOC Back Light Optical Control	FHC Frosted Hurricane Chimney	SV1F Light diffused internal flat lens SV2F Moderate diffused internal flat lens SV4F Maximum diffused internal flat lens	FDRB Fixed Dimming Resistor Board	BKT Black Textured ⁽⁸⁾ WHT White Textured ⁽⁸⁾ PGT Park Green Textured ⁽⁸⁾ ABZT Arch Med Bronze Tex ⁽⁸⁾ DBT Dark Bronze Textured ⁽⁸⁾ CM Custom Match ⁽⁹⁾ OI Old Iron ⁽⁹⁾ RT Rust ⁽⁹⁾ WBR Weathered Brown ⁽⁹⁾ CD Cedar ⁽⁹⁾ WBK Weathered Black ⁽⁹⁾ TT Two Tone ⁽⁹⁾ VG Verde Green SI Swedish Iron OWGT Old World Gray Tex

- Notes:**
- 6. Ships loose for installation in base.
 - 7. Not for use with T5 optic.
 - 8. Smooth finishes are available upon request.
 - 9. Custom colors require upcharge.

Specifications

Housing	The housing is constructed utilizing precision cast aluminum parts.
Fitter	The aluminum fitter Includes 4 stainless steel Allen-head set screws for attachment to a pole/tenon, and shall slip fit a 3" OD x 3" tall tenon.
Recommended Arms	This luminaire pairs well with the variety of arms: 480, 478, TA and 6236 An assortment of alternate arms are available to suit any application. Build your assembly in Genesis to review different arm styles.
Hang-Straight	A hang-straight transition is required for most hanging mounting configurations. The Standard (HSX) 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 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 (SV1F) light diffused acrylic flat horizontal lens. Optional (SV2F) moderate diffused acrylic flat horizontal lens. Optional (SV4F) maximum diffused acrylic flat horizontal 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 glare reducing SoftVue™ lens provides optimal visual comfort. The luminaire is offered with a variety of optional acrylic lenses installed internally in the lantern, held in place with retaining bars. The individual panels are 1/8" thick and are precision cut for fit in the luminaire.
Serviceability	Easy access to service the lens in the field.
UL Listing	UL listed per UL1598 and CSA C22.2 No. 250.0 for the United States and Canada. Suitable for Wet Locations operating in an ambient temperature of up to 40°C (105°F)
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.

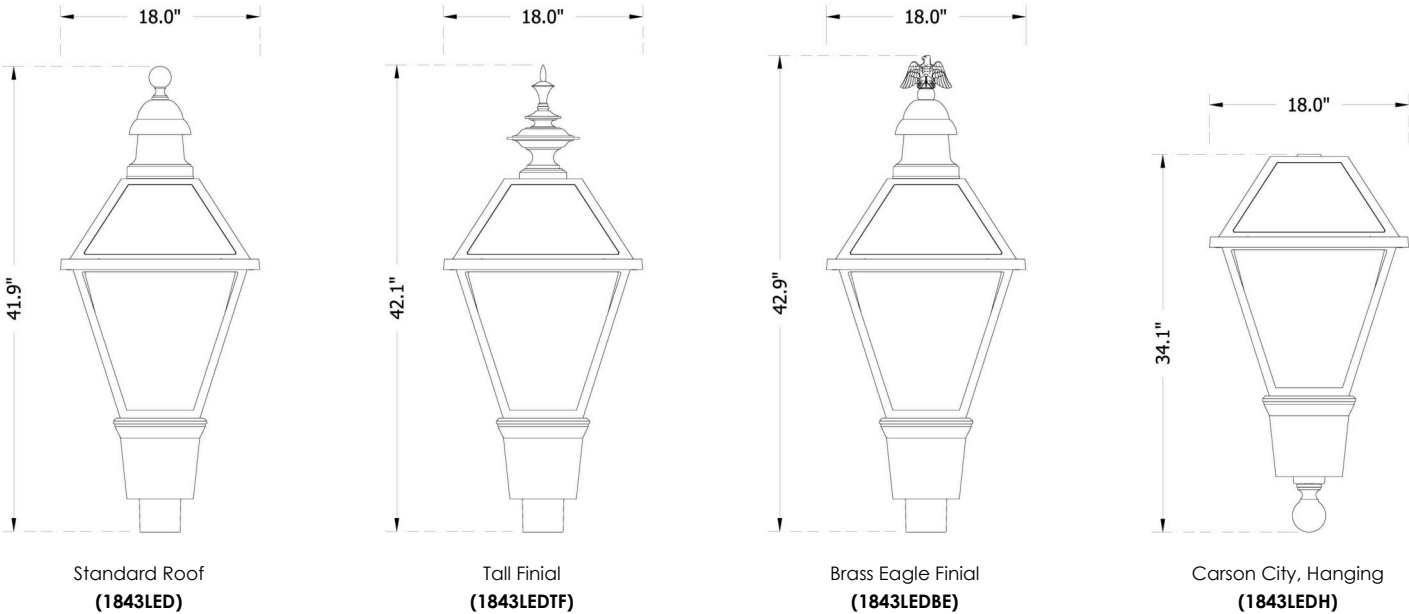
Custom Finish	Custom finishes are offered to adapt to any application. Rust, Weathered Brown and Cedar are special 1 part powder coat finishes with a distinctive look. Old Iron and Weathered Black are 2 part finishes that includes a powder coat base coat with a hand applied antique top coat. The top 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 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. The high brightness, high-output white LEDs shall be 4000K nominal (2700K, 3000K, 3500K or 5000K optional) correlated color temperature (CCT). Photometrics comply with LM79 testing standards. CCT Lumen Derate Values from 4,000K (70+ CRI) 2,700K (70+ CRI)=.85 3,000K (70+ CRI)=.92 3,500K (70+ CRI)=1.00 5,000K (70+ CRI)=1.00 Consult factory for custom correlated color temperature (CCT) or color rendering index (CRI).
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.
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	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 (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 .

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
32L-40-T_-MDL016	14775	B3U3G3	109.4	14690	B3U3G3	108.8	15290	B3U3G3	113.3	15850	B4U3G2	117.4	135
32L-30-T_-MDL016	13640	B3U3G3	101.0	13560	B3U3G3	100.4	14115	B3U3G3	104.6	14630	B4U3G2	108.4	135
32L-27-T_-MDL016	12500	B3U3G3	92.6	12430	B3U3G3	92.1	12940	B3U3G3	95.9	13410	B4U3G2	99.3	135
24L-40-T_-MDL018	12515	B3U3G3	105.2	12345	B3U3G3	103.7	12805	B2U3G3	107.6	13275	B4U3G2	111.6	119
24L-30-T_-MDL018	11550	B3U3G3	97.1	11395	B3U3G3	95.8	11820	B2U3G3	99.3	12255	B4U3G2	103.0	119
24L-27-T_-MDL018	10590	B3U3G3	89.0	10445	B3U3G3	87.8	10835	B2U3G3	91.1	11235	B4U3G2	94.4	119
24L-40-T_-MDL014	10050	B2U3G2	114.2	9905	B2U3G3	112.6	10260	B2U3G2	116.6	10645	B3U3G2	121.0	88
24L-30-T_-MDL014	9275	B2U3G2	105.4	9145	B2U3G3	103.9	9470	B2U3G2	107.6	9825	B3U3G2	111.6	88
24L-27-T_-MDL014	8505	B2U3G2	96.6	8380	B2U3G3	95.2	8680	B2U3G2	98.6	9005	B3U3G2	102.3	88
16L-40-T_-MDL016	7505	B2U3G2	108.8	7460	B2U3G2	108.1	7670	B2U3G2	111.2	7965	B3U3G2	115.4	69
16L-30-T_-MDL016	6930	B2U3G2	100.4	6885	B2U3G2	99.8	7080	B2U3G2	102.6	7350	B3U3G2	106.5	69
16L-27-T_-MDL016	6350	B2U3G2	92.0	6310	B2U3G2	91.4	6490	B2U3G2	94.1	6740	B3U3G2	97.7	69
12L-40-T_-MDL014	5055	B1U3G1	109.9	5065	B1U3G2	110.1	5275	B1U3G2	114.7	5475	B3U3G1	119.0	46
12L-30-T_-MDL014	4665	B1U3G1	101.4	4675	B1U3G2	101.6	4870	B1U3G2	105.9	5055	B3U3G1	109.9	46
12L-27-T_-MDL014	4275	B1U3G1	92.9	4285	B1U3G2	93.2	4465	B1U3G2	97.1	4635	B3U3G1	100.8	46
12L-40-T_-MDL008	3075	B1U2G1	113.9	3075	B1U2G1	113.9	3205	B1U3G1	118.7	3315	B2U2G1	122.8	27
12L-30-T_-MDL008	2840	B1U2G1	105.2	2840	B1U2G1	105.2	2960	B1U3G1	109.6	3060	B2U2G1	113.3	27
12L-27-T_-MDL008	2600	B1U2G1	96.3	2600	B1U2G1	96.3	2710	B1U3G1	100.4	2805	B2U2G1	103.9	27

Dimensions



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**)

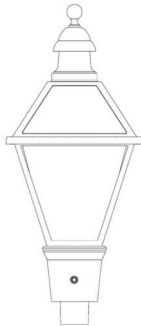


Standard Horizontal Hangstraight, No Finial (**HSHN**)

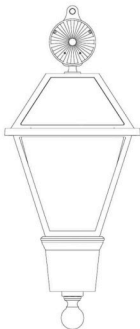


"EZ" Vertical hangstraight (**EZ**)

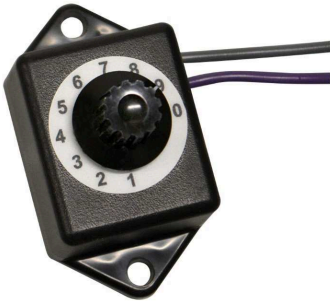
Options



Button Photocell (**PEC/PEC4**)



Catenary Mount (**CAT**)



Fixed Dimming Resistor Board (**FDRB**)



Frosted Hurricane Chimney, Opal Glass (**FHC**)

Recommended Arms

An assortment of alternate arms are also available



(480) Arm



(478) Arm



(6236) Arm



(TA) Arm