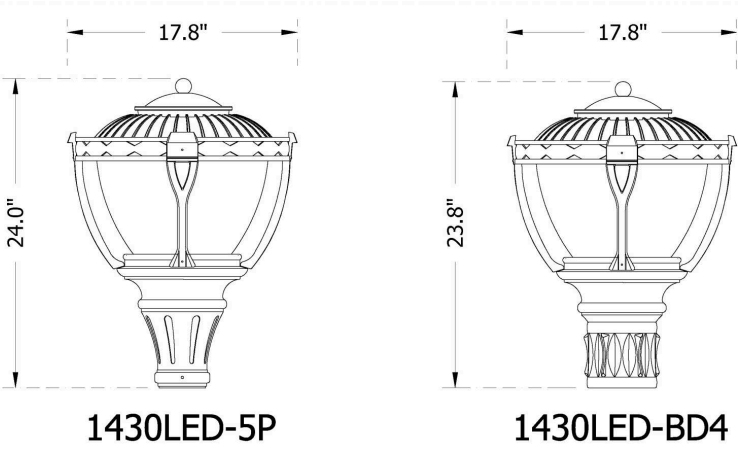


Project Name

Qty

Type

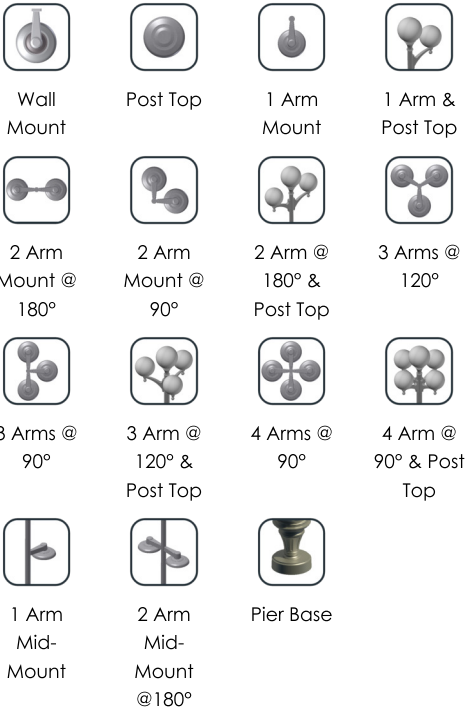
Catalog / Part Number



Certifications



Mounting Configuration



Description

The 1430LED Roadway luminaire shall feature a fully cast aluminum decorative cage surrounding the acorn. The luminaire shall be appointed with a cast aluminum decorative ball finial. The cage shall consist of a decorative ring with 4 slender "Y" shaped supports. The acorn shall be supplied with a cast aluminum roof which includes optimized heat sinks to provide maximum life and performance for the LED light sources. The acorn shall be sealed to the cast aluminum roof to provide a moisture-free and bug-free optics chamber for the LED light sources.

EPA: .79 (ft²) | WEIGHT: 40 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

- 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

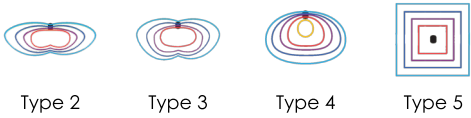
Finish



CCT - Color Temp (K)



Distribution Type



Optional Fixed Dimming Resistor Board

FDRB: Fixed Dimming Resistor Board

Physical

Fixture	1430LED: Roadway
Filter	5P: Slip fit 3" 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
Lens	A: Clear Textured Acrylic Acorn P: Clear Textured Poly Acorn
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	12L: 12 LEDs 16L: 16 LEDs 24L: 24 LEDs
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	MDL018: 120V-277V, 180mA MDH018: 347V-480V, 180mA MDL014: 120V-277V, 140mA MDH014: 347V-480V, 140mA MDL008: 120V-277V, 80mA MDH008: 347V-480V, 80mA
--------	--

How to Order

Mounting Configuration ⁽¹⁾	Fixture	Fitter	LED	CCT - Color Temp (K)	Distribution Type	Driver	Lens	Optional Control	Optional Fuse ⁽⁶⁾	Optional House Side Shield ⁽⁷⁾	Optional Fixed Dimming Resistor Board	Finish
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⁾	1430LED Roadway	5P Slip fit 3" 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	12L 12 LEDs 16L 16 LEDs 24L 24 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	MDL018 120V-277V, 180mA ⁽⁴⁾ MDH018 347V-480V, 180mA ⁽⁴⁾ MDL014 120V-277V, 140mA MDH014 347V-480V, 140mA MDL008 120V-277V, 80mA ⁽⁵⁾ MDH008 347V-480V, 80mA ⁽⁵⁾	A Clear Textured Acrylic Acorn P Clear Textured Poly Acorn	PEC Electronic Button Photocontrol (120V-277V) PEC4 Electronic Button Photocontrol (480V)	FHD Double Fuse and Holder	BLOC Back Light Optical Control	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:

1. Use 3" fitter for arm applications.

2. Only available with a round profile pole.

3. For use with (5P) fitter only.

4. 24L system only.

5. 12L system only.
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

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.
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.
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)=.92 3,000K (70+ CRI)=.95 3,500K (70+ CRI)=1.03 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.

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
24L40T_-MDL018	9405	B3U3G3	81.1	9570	B3U3G3	82.5	9730	B2U3G3	83.9	10095	B3U3G3	87.0	116
24L30T_-MDL018	8965	B3U3G3	77.3	9125	B3U3G3	78.7	9275	B2U3G3	80.0	9625	B3U3G3	83.0	116
24L27T_-MDL018	8110	B3U3G3	69.9	8250	B3U3G3	71.1	8390	B2U3G3	72.3	8705	B3U3G3	75.0	116
24L40T_-MDL014	7660	B2U3G2	88.0	7825	B2U3G3	89.9	7955	B2U3G3	91.4	8245	B3U3G2	94.8	87
24L30T_-MDL014	7305	B2U3G2	84.0	7460	B2U3G3	85.7	7585	B2U3G3	87.2	7860	B3U3G2	90.3	87
24L27T_-MDL014	6605	B2U3G2	75.9	6745	B2U3G3	77.5	6860	B2U3G3	78.9	7110	B3U3G2	81.7	87
16L40T_-MDL014	5160	B2U3G2	87.5	5265	B2U3G2	89.2	5345	B2U3G2	90.6	5530	B3U3G2	93.7	59
16L30T_-MDL014	4920	B2U3G2	83.4	5020	B2U3G2	85.1	5095	B2U3G2	86.4	5275	B3U3G2	89.4	59
16L27T_-MDL014	4450	B2U3G2	75.4	4540	B2U3G2	76.9	4610	B2U3G2	78.1	4765	B3U3G2	80.8	59
12L40T_-MDL014	3815	B1U3G2	82.9	3950	B2U3G2	85.9	4100	B1U3G2	89.1	4210	B2U3G2	91.5	46
12L30T_-MDL014	3635	B1U3G2	79.0	3765	B2U3G2	81.8	3910	B1U3G2	85.0	4015	B2U3G2	87.3	46
12L27T_-MDL014	3290	B1U3G2	71.5	3405	B2U3G2	74.0	3535	B1U3G2	76.8	3630	B2U3G2	78.9	46
12L40T_-MDL008	2355	B1U3G1	87.2	2430	B1U3G1	90.0	2525	B1U3G1	93.5	2600	B2U3G1	96.3	27
12L30T_-MDL008	2245	B1U3G1	83.1	2315	B1U3G1	85.7	2405	B1U3G1	89.1	2480	B2U3G1	91.9	27
12L27T_-MDL008	2030	B1U3G1	75.2	2095	B1U3G1	77.6	2175	B1U3G1	80.6	2240	B2U3G1	83.0	27

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

Options



Button Photocell **(PEC)**



Back Light Optical Control
(BLOC)



Fixed Dimming Resistor Board
(FDRB)



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