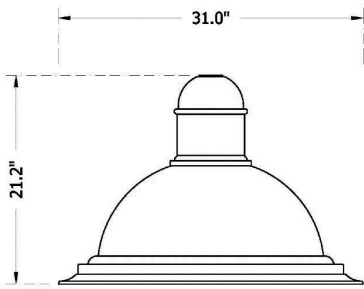


Project Name

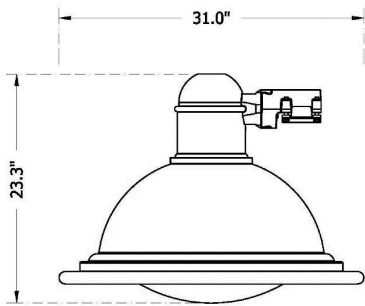
Qty

Type

Catalog / Part Number



1531LED-F-FG



1531LED-SM-R-SG

Certifications



Mounting Configuration



Wall Mount



1 Arm Mount



2 Arm Mount
@ 180°



2 Arm Mount
@ 90°



3 Arms @ 120°



3 Arms @ 90°



4 Arms @ 90°



1 Arm
MidMount



2 Arm
MidMount
@180



Stem Hung



Chain Hung



Catenary

Description

The 1531LED Omega™ is a decorative and energy efficient downlight fixtures with a spun aluminum bell styled dome. The luminaire has a gasketed hinged door for tool-less driver and LED access. Offered in a variety of mounting configurations, wattages, CCT's and distribution types makes this product the premier option for any Urban, Roadway or Area-Light application.

EPA: 1.16 (ft²) | WEIGHT: 50 LBS

Features

Mounting Configuration

- 1W: Wall Mount
- 1A: 1 Arm Mount
- 2A: 2 Arm Mount @ 180°
- 2A90: 2 Arm Mount @ 90°
- 3A: 3 Arms @ 120°
- 3A90: 3 Arms @ 90°
- 4A: 4 Arms @ 90°
- 1AM: 1 Arm MidMount
- 2AM: 2 Arm MidMount @180
- SH44: Stem Hung
- CH44: Chain Hung
- CAT: Catenary

Fixture

- 1531LED: 31" Omega, Top Mount
- 1531LED-SM: 31" Omega, Side Mount

Shade Style

- R: Round Edge
- F: Flared Edge

Lens

- FG: Flat Glass
- SG: Sag Glass
- FSG: Frosted Sag Glass
- SV1: Flat SoftVue™ Light Diffused Acrylic
- SV2: Flat SoftVue™ Moderate Diffused Acrylic
- SV4: Flat SoftVue™ Maximum Diffused Acrylic

Technologies



Solar

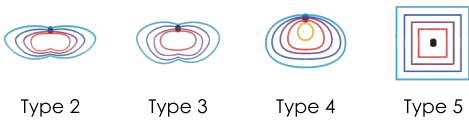
Finish



CCT - Color Temp (K)



Distribution Type



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 Hangstraight	HSHS: Standard Horizontal Hangstraight, Spike Finial HSHN: Standard Horizontal Hangstraight, No Finial HSHB: Standard Horizontal Hangstraight, Ball Finial HSCB: Clamp Style Horizontal Hangstraight, Ball Finial HSCS: Clamp Style Horizontal Hangstraight, Spike Finial HSCN: Clamp Style Horizontal Hangstraight, No Finial EZ: Vertical Hangstraight, Large, "EZ" Mount	
Optional House Side Shield	BLOC: Back Light Optical Control	
Optional Fixed Dimming Resistor Board	FDRB: Fixed Dimming Resistor Board	
Finish	BKT: Black Textured PGT: Park Green Textured DBT: Dark Bronze Textured SI: Swedish Iron UGMT: Urban Gun Metal Textured UBT: Urban Bronze Textured USLT: Urban Silver Textured UWHT: Urban White Textured OI: Old Iron WBK: Weathered Black WBR: Weathered Brown CM: Custom Match	WHT: White Textured ABZT: Arch Med Bronze Tex VG: Verde Green OWGT: Old World Gray Tex UGM: Urban Gun Metal Matte UB: Urban Bronze Matte USL: Urban Silver Matte UWH: Urban White Matte RT: Rust CD: Cedar TT: Two Tone
Light Source		
LED	24L: 24 LEDs 40L: 40 LEDs	32L: 32 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	MDL014: 120V-277V,140mA MDL016: 120V-277V,160mA MDL018: 120V-277V,180mA MDS48V: DC Solar, 48V	MDH014: 347V-480V,140mA MDH016: 347V-480V,160mA MDH018: 347V-480V,180mA

How to Order

Mounting Configuration	Overall Drop Length (Inches) ⁽⁴⁾ ⁽⁵⁾	Fixture	Shade Style	LED	CCT - Color Temp (K)	Distribution Type	Driver	Lens
1W Wall Mount 1A 1 Arm Mount 2A 2 Arm Mount @ 180° 2A90 2 Arm Mount @ 90° 3A 3 Arms @ 120° ⁽¹⁾ 3A90 3 Arms @ 90° 4A 4 Arms @ 90° 1AM 1 Arm MidMount 2AM 2 Arm MidMount @ 180 SH44 Stem Hung ⁽²⁾ CH44 Chain Hung ⁽²⁾ CAT Catenary ⁽²⁾ ⁽³⁾		1531LED 1531LED 1531LED SM 31" Omega, Side Mount	R Round Edge F Flared Edge	24L 24 LEDs 32L 32 LEDs 40L 40 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	MDL014 120V-277V, 140mA ⁽⁴⁾ MDH014 347V-480V, 140mA ⁽⁴⁾ MDL016 120V-277V, 160mA ⁽⁷⁾ MDH016 347V-480V, 160mA ⁽⁷⁾ MDL018 120V-277V, 180mA ⁽⁴⁾ MDH018 347V-480V, 180mA ⁽⁴⁾ MDS48V DC Solar, 48V ⁽⁸⁾ ⁽⁹⁾	FG Flat Glass SG Sag Glass FSG Frosted Sag Glass SV1 Flat SoftVue™ Light Diffused Acrylic SV2 Flat SoftVue™ Moderate Diffused Acrylic SV4 Flat SoftVue™ Maximum Diffused Acrylic

Notes:

1. Only available with a round profile pole.

2. Not for use with Side Mount (SM) luminaire.

3. Requires EZ hang-straight.

4. Required field for Stem or Chain Mounting Configuration.

5. Minimum 29" Overall Drop Length.
6. 24L or 32L system only.

7. 40L system only.

8. Not for use with R7, PEC and FDRB options.

9. Only available in 3,000K and 4,000K CCT.

How to Order

Optional Control Receptacle ⁽¹⁰⁾ ⁽¹¹⁾ ⁽¹²⁾	Optional Control	Optional Fuse ⁽¹⁵⁾	Optional Hangstraight ⁽²⁾	Optional House Side Shield	Optional Fixed Dimming Resistor Board ⁽¹⁴⁾	Finish
R7 7-Pin control receptacle only	PE Twist-Lock Photocontrol (120V-277V) ⁽¹³⁾ PE4 Twist-Lock Photocontrol (347V-480V) ⁽¹³⁾ SC Shorting Cap ⁽¹³⁾ PEC Electronic Button Photocontrol (120V-277V) ⁽¹⁴⁾ PEC4 Electronic Button Photocontrol (480V) ⁽¹⁴⁾	FHD Double Fuse and Holder	HSHS Standard Horizontal Hangstraight, Spike Finial HSHN Standard Horizontal Hangstraight, No Finial HSHB Standard Horizontal Hangstraight, Ball Finial HSCB Clamp Style Horizontal Hangstraight, Ball Finial HSCS Clamp Style Horizontal Hangstraight, Spike Finial HSCN Clamp Style Horizontal Hangstraight, No Finial EZ Vertical Hangstraight, Large, "EZ" Mount ⁽¹⁴⁾	BLOC Back Light Optical Control	FDRB Fixed Dimming Resistor Board	BKT Black Textured ⁽¹⁶⁾ WHT White Textured ⁽¹⁶⁾ PGT Park Green Textured ⁽¹⁶⁾ ABZT Arch Med Bronze Tex ⁽¹⁶⁾ DBT Dark Bronze Textured ⁽¹⁶⁾ VG Verde Green SI Swedish Iron OWGT Old World Gray Tex UGMT Urban Gun Metal Textured UGM Urban Gun Metal Matte UBT Urban Bronze Textured UB Urban Bronze Matte USLT Urban Silver Textured USL Urban Silver Matte UWHT Urban White Textured UWH Urban White Matte OI Old Iron ⁽¹⁷⁾ RT Rust ⁽¹⁷⁾ WBK Weathered Black ⁽¹⁷⁾ CD Cedar ⁽¹⁷⁾ WBR Weathered Brown ⁽¹⁷⁾ TT Two Tone ⁽¹⁷⁾ CM Custom Match ⁽¹⁷⁾

Notes:

2. Not for use with Side Mount (SM) luminaire.

10. Not for use with FDRB.

11. See specifications section for more info on compatibility with wireless controllers

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

13. Requires control receptacle.
14. Not for use with R7.

15. Ships loose for installation in base.

16. Smooth finishes are available upon request.

17. Custom colors require upcharge.

Specifications

Hang-Straight	A hang-straight transition is required for most 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 Clamp-Style (HSCx) is a large scale cast aluminum horizontal hang-straight with step-leveling on the tenon. Available with a spike (S), a ball (B), or no finial (N). The hang-straight slips an 8" 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.
Side Mount Adapter	An optional "Side Mount" luminaire is available. The cast aluminum "Side Mount" option includes stainless steel hardware and slip fits a 4" long by 2-3/8" OD horizontal tenon.
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.
Solar Power System	Luminaire available for integration with solar platforms (controller, panel, and batteries by others) with a 48VDC (MDS48V) board configuration. Offered in 3,000K or 4,000K CCT Max drive current (mA) is based on the number of LEDs: 24L = 1,680mA 32L = 2,240mA 40L = 2,800mA Consult solar platform manufacturer to confirm compatibility with the voltages and system currents above.
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. Uses a .125" thick acrylic lens. Offered with Soft Vue Medium Diffused Acrylic (SV1), Soft Vue Heavy Diffused Acrylic (SV2) or Soft Vue Maximum Diffused Acrylic (SV4). Also available with .188" thick glass lens. Flat Glass (FG), Sag Glass (SG) or Frosted Sag Glass (FSG)
Serviceability	Tool-less access to the driver compartment for ease of installation and maintenance. Easy access to service the lens in the field.
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.
NightSky® Friendly	Dark sky design properties with a U0 BUG rating for specific configurations.
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.

Urban Finish	The Urban finish palette was created to highlight a modern, elegant aesthetic. All finishes are a 1 part powder coat with metallic flakes for a superior appearance. Finishes are available in textured or matte. Available finishes include: Black Textured, Urban Gun Metal, Urban Bronze, Urban Silver and Urban White
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)=.85 3,000K (70+ CRI)=.92 3,500K (70+ CRI)=1.00 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. 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 . Twist-Lock Style (Roof Mount): The photocontrol shall be mounted on the roof and prewired 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 turnoff at 2-3 footcandles. Photocontrol is 120-277 volt.

Lumen Chart(s)

Tested with FG 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
40L-40-T_-MDL016	21595	B3U0G3	124.8	19965	B3U0G3	115.4	20660	B3U0G3	119.4	21565	B4U0G2	124.7	173
40L-30-T_-MDL016	19935	B3U0G3	115.2	18430	B3U0G3	106.5	19070	B3U0G3	110.2	19905	B4U0G2	115.1	173
40L-27-T_-MDL016	18275	B3U0G3	105.6	16895	B3U0G3	97.7	17480	B3U0G3	101.0	18245	B4U0G2	105.5	173
32L-40-T_-MDL018	18685	B3U0G3	122.1	17200	B3U0G3	112.4	17845	B3U0G3	116.6	18660	B4U0G2	122.0	153
32L-30-T_-MDL018	17250	B3U0G3	112.7	15875	B3U0G3	103.8	16470	B3U0G3	107.6	17225	B4U0G2	112.6	153
32L-27-T_-MDL018	15810	B3U0G3	103.3	14555	B3U0G3	95.1	15100	B3U0G3	98.7	15790	B4U0G2	103.2	153
32L-40-T_-MDL014	15405	B3U0G3	131.7	14200	B3U0G3	121.4	14730	B2U0G2	125.9	15405	B3U0G2	131.7	117
32L-30-T_-MDL014	14220	B3U0G3	121.5	13110	B3U0G3	112.1	13595	B2U0G2	116.2	14220	B3U0G2	121.5	117
32L-27-T_-MDL014	13035	B3U0G3	111.4	12015	B3U0G3	102.7	12465	B2U0G2	106.5	13035	B3U0G2	111.4	117
24L-40-T_-MDL018	14310	B2U0G2	122.3	13165	B2U0G2	112.5	13710	B2U0G2	117.2	14305	B3U0G2	122.3	117
24L-30-T_-MDL018	13210	B2U0G2	112.9	12150	B2U0G2	103.8	12655	B2U0G2	108.2	13205	B3U0G2	112.9	117
24L-27-T_-MDL018	12110	B2U0G2	103.5	11140	B2U0G2	95.2	11600	B2U0G2	99.1	12105	B3U0G2	103.5	117
24L-40-T_-MDL014	11480	B2U0G2	132.0	10550	B2U0G2	121.3	11005	B2U0G2	126.5	11475	B3U0G2	131.9	87
24L-30-T_-MDL014	10595	B2U0G2	121.8	9740	B2U0G2	112.0	10160	B2U0G2	116.8	10590	B3U0G2	121.7	87
24L-27-T_-MDL014	9715	B2U0G2	111.7	8925	B2U0G2	102.6	9310	B2U0G2	107.0	9710	B3U0G2	111.6	87

Options



Button Photocell (PEC or PEC4)



7-Pin NEMA Twist-Lock Receptacle (R7)



NEMA Twist-Lock Photocell (PE or PE4)



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



Fixed Dimming Resistor Board (FDRB)

Hangstraight

Horizontal Hang-straights 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)

Clamp Style Horizontal Hangstraight

To slip fit 8" long by 2-3/8" OD on horizontal tenon



Clamp Style Horizontal Hangstraight, Spike Finial
(HSCS)

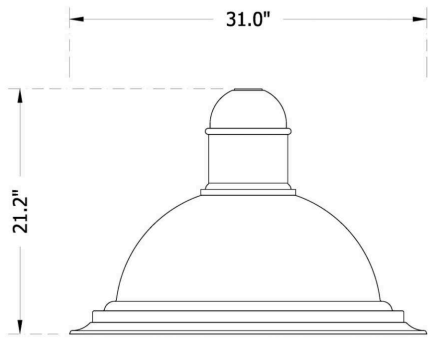


Clamp Style Horizontal Hangstraight, Ball Finial
(HSCB)

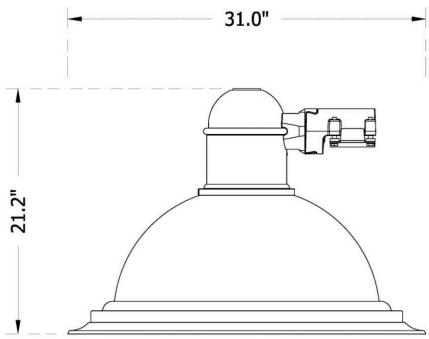


Clamp Style Horizontal Hangstraight, No Finial
(HSCN)

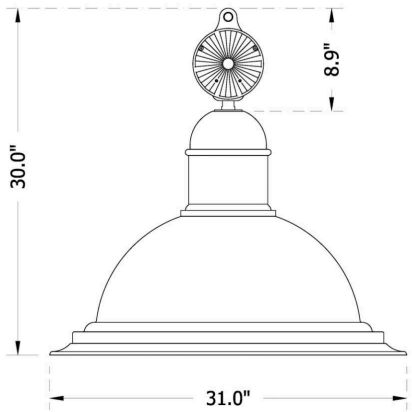
Dimensions



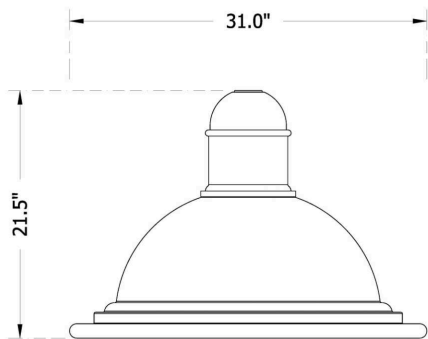
Top Mount, Flared Edge Shade, Flat Glass
(1531LED-F-FG)



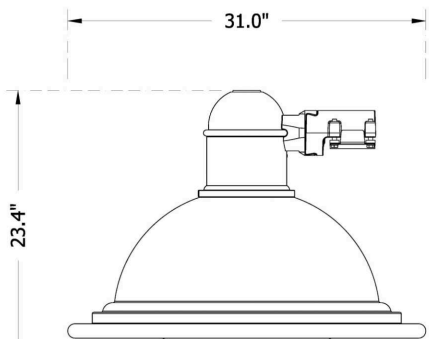
Side Mount, Flared Edge Shade, Flat Glass
(1531LED-SM-F-FG)



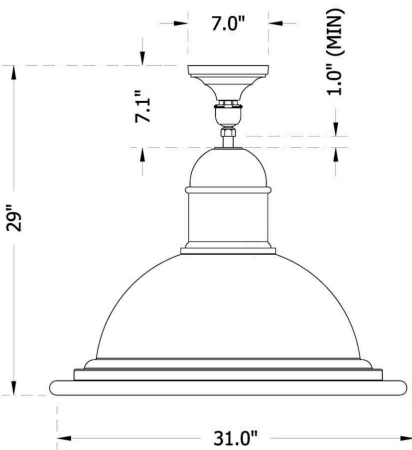
Catenary Mount (CAT)



Top Mount, Round Edge Shade, Flat Glass
(1531LED-R-FG)



Side Mount, Round Edge Shade, Sag Glass
(1531LED-SM-R-SG)



Stem Hung (SH44)