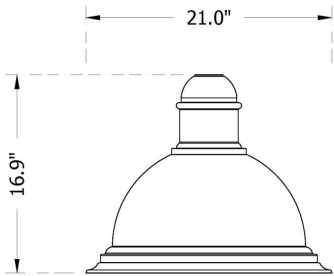


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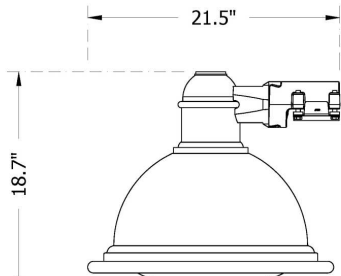
Qty

Type

Catalog / Part Number



1521LED-F-FG



1521LED-F-FG

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 1521LED 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: .72 (ft²) | WEIGHT: 27 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

1521LED: 21" Omega, Top Mount
1521LED SM: 21" 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

Optional Control Receptacle

R7: 7-Pin control receptacle only

Technologies



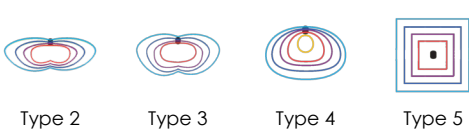
Finish



CCT - Color Temp (K)



Distribution Type



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)	
	FHD: Double Fuse and Holder	
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 EZ: Vertical Hangstraight, Large, "EZ" Mount	
	BLOC: Back Light Optical Control	
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 WBR: Weathered Brown WBK: Weathered Black 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	12L: 12 LEDs 24L: 24 LEDs
	CCT - Color Temp (K)	27: 2,700K 35: 3,500K 50: 5,000K
Distribution Type	T2: Type 2 T4: Type 4	T3: Type 3 T5: Type 5
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 MDS48V: DC Solar, 48V	

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) ⁽⁴⁾ ⁽⁵⁾	Fixture	Shade Style	LED	CCT - Color Temp (K)	Distribution Type	Driver	Lens
1W Wall Mount		1521LED 21" Omega, Top Mount	R Round Edge	12L 12 LEDs	27 2,700K	T2 Type 2	MDL018 120V-277V, 180mA ⁽⁴⁾	FG Flat Glass
1A 1 Arm Mount		1521LED SM 21" Omega, Side Mount	F Flared Edge	16L 16 LEDs	30 3,000K	T3 Type 3	MDH018 347V-480V, 180mA ⁽⁴⁾	SG Sag Glass
2A 2 Arm Mount @ 180°				24L 24 LEDs	35 3,500K	T4 Type 4	MDL014 120V-277V, 140mA ⁽⁷⁾	FSG Frosted Sag Glass
2A90 2 Arm Mount @ 90°					40 4,000K	T5 Type 5	MDH014 347V-480V, 140mA ⁽⁷⁾	SV1 Flat SoftVue™ Light Diffused Acrylic
3A 3 Arms @ 120° ⁽¹⁾					50 5,000K		MDL008 120V-277V, 80mA ⁽⁸⁾	SV2 Flat SoftVue™ Moderate Diffused Acrylic
3A90 3 Arms @ 90°							MDH008 347V-480V, 80mA ⁽⁸⁾	SV4 Flat SoftVue™ Maximum Diffused Acrylic
4A 4 Arms @ 90°							MDS48V DC Solar, 48V ⁽⁹⁾ ⁽¹⁰⁾	
1AM 1 Arm MidMount								
2AM 2 Arm MidMount @180								
SH44 Stem Hung ⁽²⁾								
CH44 Chain Hung ⁽²⁾								
CAT Catenary ⁽²⁾ ⁽³⁾								

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 24" Overall Drop Length.
6. 12L or 16L system only.

7. 12L or 24L system only.

8. 12L system only.

9. Not for use with R7, PEC and FDR8 options.

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

How to Order

Optional Control Receptacle ⁽¹¹⁾ ⁽¹²⁾ ⁽¹³⁾	Optional Control	Optional Fuse ⁽¹⁴⁾	Optional Hangstraight ⁽²⁾	Optional House Side Shield ⁽¹⁷⁾	Optional Fixed Dimming Resistor Board	Finish
R7 7-Pin control receptacle only	PE Twist-Lock Photocontrol (120V-277V) ⁽¹⁴⁾ PE4 Twist-Lock Photocontrol (347V-480V) ⁽¹⁴⁾ SC Shorting Cap ⁽¹⁴⁾ PEC Button Photo Control (120V-277V) ⁽¹⁵⁾ PEC4 Button Photocontrol (480V) ⁽¹⁵⁾	FHD Double Fuse and Holder	HSHS Standard Horizontal Hangstraight, Spike Finial HSHN Standard Horizontal Hangstraight, No Finial HSHB Standard Horizontal Hangstraight, Ball Finial EZ Vertical Hangstraight, Large, "EZ" Mount ⁽¹⁵⁾	BLOC Back Light Optical Control	FDRB Fixed Dimming Resistor Board	BKT Black Textured ⁽¹⁸⁾ WHT White Textured ⁽¹⁸⁾ PGT Park Green Textured ⁽¹⁸⁾ ABZT Arch Med Bronze Tex ⁽¹⁸⁾ DBT Dark Bronze Textured ⁽¹⁸⁾ 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 ⁽¹⁹⁾ RT Rust ⁽¹⁹⁾ WBR Weathered Brown ⁽¹⁹⁾ CD Cedar ⁽¹⁹⁾ WBK Weathered Black ⁽¹⁹⁾ TT Two Tone ⁽¹⁹⁾ CM Custom Match ⁽¹⁹⁾

Notes:

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

11. Not for use with FDRB.

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

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

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

16. Ships loose for installation in base.

17. Not for use with T5 optic.

18. Smooth finishes are available upon request.

19. Custom colors require upcharge.

Specifications

Recommended Arms	This luminaire pairs well with the variety of arms: 91W, R2, OA and CA 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 (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.
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: 12L = 720mA 16L = 960mA 24L = 1,680mA 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.
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.
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.

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
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
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)= .92 3,000K (70+ CRI)= .95 3,500K (70+ CRI)= 1.03 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.
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
24L40T_-MDL014	10735	B2U0G2	122.0	10800	B2U0G2	122.7	9945	B2U0G2	113.0	11115	B3U0G1	126.3	88
24L30T_-MDL014	10235	B2U0G2	116.3	10295	B2U0G2	117.0	9480	B2U0G2	107.7	10600	B3U0G1	120.5	88
24L27T_-MDL014	9255	B2U0G2	105.2	9310	B2U0G2	105.8	8575	B2U0G2	97.4	9580	B3U0G1	108.9	88
16L40T_-MDL018	8880	B2U0G2	111.0	8900	B2U0G2	111.3	8285	B2U0G2	103.6	9230	B3U0G1	115.4	80
16L30T_-MDL018	8465	B2U0G2	105.8	8485	B2U0G2	106.1	7900	B2U0G2	98.8	8800	B3U0G1	110.0	80
16L27T_-MDL018	7655	B2U0G2	95.7	7670	B2U0G2	95.9	7140	B2U0G2	89.3	7955	B3U0G1	99.4	80
12L40T_-MDL018	6655	B1U0G1	110.9	6705	B1U0G1	111.8	6180	B1U0G1	103.0	6905	B3U0G1	115.1	60
12L30T_-MDL018	6345	B1U0G1	105.8	6395	B1U0G1	106.6	5890	B1U0G1	98.2	6585	B3U0G1	109.8	60
12L27T_-MDL018	5735	B1U0G1	95.6	5780	B1U0G1	96.3	5330	B1U0G1	88.8	5955	B3U0G1	99.3	60
12L40T_-MDL014	5430	B1U0G1	118.0	5465	B1U0G1	118.8	5030	B1U0G1	109.3	5665	B2U0G1	123.2	46
12L30T_-MDL014	5175	B1U0G1	112.5	5210	B1U0G1	113.3	4795	B1U0G1	104.2	5400	B2U0G1	117.4	46
12L27T_-MDL014	4680	B1U0G1	101.7	4710	B1U0G1	102.4	4335	B1U0G1	94.2	4885	B2U0G1	106.2	46
12L40T_-MDL008	3285	B1U0G1	121.7	3300	B1U0G1	122.2	3040	B1U0G1	112.6	3440	B2U0G0	127.4	27
12L30T_-MDL008	3130	B1U0G1	115.9	3145	B1U0G1	116.5	2900	B1U0G1	107.4	3280	B2U0G0	121.5	27
12L27T_-MDL008	2830	B1U0G1	104.8	2845	B1U0G1	105.4	2620	B1U0G1	97.0	2965	B2U0G0	109.8	27

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-straight's 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)

Recommended Arms

An assortment of alternate arms are also available



(91W) Arm



(R2) Arm

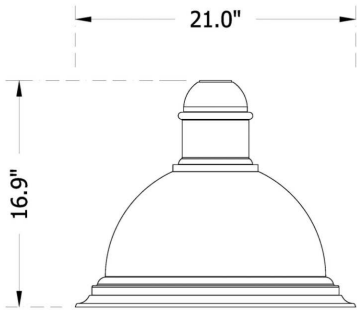


(OA) Arm

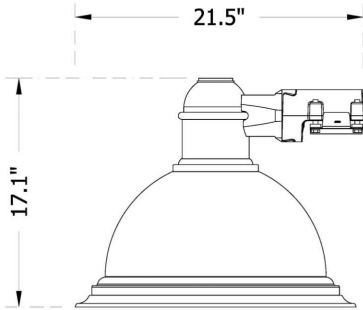


(CA) Arm

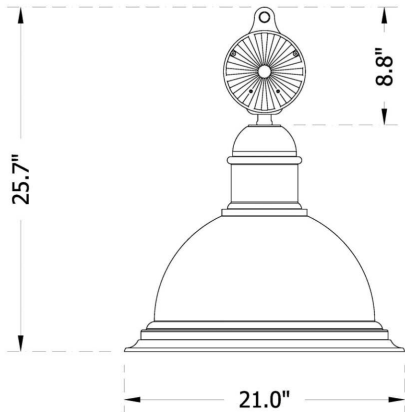
Dimensions



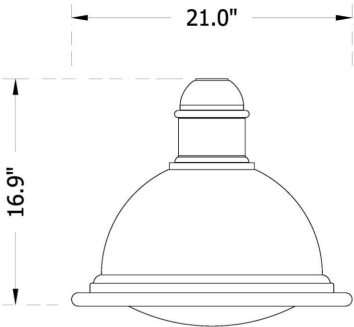
Top Mount, Flared Edge Shade, Flat Glass
(1521LED-F-FG)



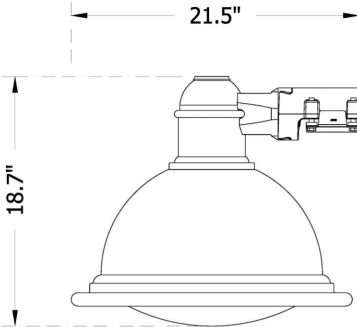
Side Mount, Flared Edge Shade, Flat Glass
(1521LED SM-F-FG)



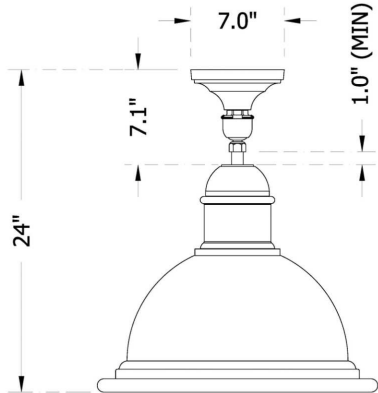
Catenary Mount (CAT)



Top Mount, Round Edge Shade, Sag Glass
(1521LED-R-SG)



Side Mount, Round Edge Shade, Sag Glass
(1521LED SM-R-SG)



Stem Hung (SH44)