

Project Name

Qty

Type

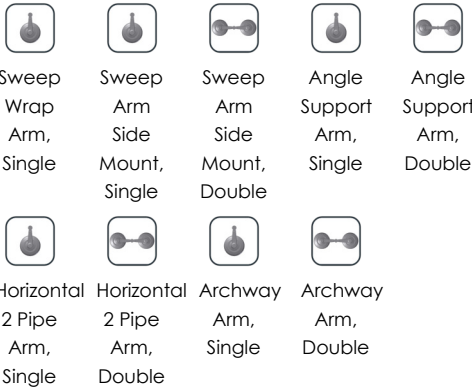
Catalog / Part Number



Certifications



Mounting Configuration



Finish



Description

The Solana™ Arm Mount Luminaire's stylish design is a perfect accent for urban settings. The subtle, yet sophisticated look enhances the impact of any project. The Solana's wide array of optics, lenses and distributions makes this an easy choice for a variety of commercial institutional and municipal projects.

Features

Mounting Configuration

- 1-U01S: Sweep Wrap Arm, Single
- 1-U01: Sweep Arm Side Mount, Single
- 2-U01: Sweep Arm Side Mount, Double
- 1-U02: Angle Support Arm, Single
- 2-U02: Angle Support Arm, Double
- 1-U03: Horizontal 2 Pipe Arm, Single
- 2-U03: Horizontal 2 Pipe Arm, Double
- 1-U04: Archway Arm, Single
- 2-U04: Archway Arm, Double

Arm Assembly Size

- P4: 4" diameter arm assembly
- P5: 5" diameter arm assembly

Fixture

SL635: Medium Solana Arm Mount

Lens

- CA: Clear Acrylic
- FG: Flat Glass
- SA: Sag Acrylic
- FFG: Frosted Flat Glass
- SV1: Flat SoftVue™ Light Diffused Acrylic
- SV2: Flat SoftVue™ Moderate Diffused Acrylic
- SV4: Flat SoftVue™ Maximum Diffused Acrylic
- SV1SA: SoftVue™ Light Diffused Sag Acrylic
- SV2SA: SoftVue™ Moderate Diffused Sag Acrylic
- SV4SA: SoftVue™ Maximum Diffused Sag Acrylic

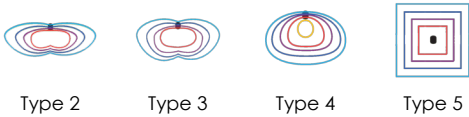
Optional Control Receptacle

R7: 7-Pin control receptacle only

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)
Optional Fuse	FHD: Double Fuse and Holder
Optional House Side Shield	HSS: 120° House Side Shield BLOC: Back Light Optical Control
Optional Fixed Dimming Resistor Board	FDRB: Fixed Dimming Resistor Board
Finish	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 BKT: Black Textured CM: Custom Match

Light Source

LED	24L: 24 LEDs 12L: 12 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
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

Electrical and control

Optional Motion Sensor	MOT1: 360° lens, maximum coverage 40' diameter from 20' height MOT2: 360° lens, maximum coverage 70' diameter from 20' height
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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	Arm Assembly Size	Fixture	LED	CCT - Color Temp (K)	Distribution Type	Driver	Lens
1-U01S Sweep Wrap Arm, Single	P4 4" diameter arm assembly	SL635 Medium Solana Arm Mount	24L 24 LEDs	27 2,700K	T2 Type 2	MDL018 120V-277V, 180mA	CA Clear Acrylic
1-U01 Sweep Arm Side Mount, Single	P5 5" diameter arm assembly		12L 12 LEDs	30 3,000K	T3 Type 3	MDH018 347V-480V, 180mA	FG Flat Glass ⁽²⁾
2-U01 Sweep Arm Side Mount, Double				35 3,500K	T4 Type 4	MDL014 120V-277V, 140mA	SA Sag Acrylic ⁽²⁾
1-U02 Angle Support Arm, Single				40 4,000K	T5 Type 5	MDH014 347V-480V, 140mA	FFG Frosted Flat Glass ⁽²⁾
2-U02 Angle Support Arm, Double				50 5,000K		MDL008 120V-277V, 80mA ⁽¹⁾	SV1 Flat SoftVue™ Light Diffused Acrylic
1-U03 Horizontal 2 Pipe Arm, Single						MDH008 347V-480V, 80mA ⁽¹⁾	SV2 Flat SoftVue™ Moderate Diffused Acrylic
2-U03 Horizontal 2 Pipe Arm, Double							SV4 Flat SoftVue™ Maximum Diffused Acrylic
1-U04 Archway Arm, Single							SV1SA SoftVue™ Light Diffused Sag Acrylic ⁽²⁾
2-U04 Archway Arm, Double							SV2SA SoftVue™ Moderate Diffused Sag Acrylic ⁽²⁾
							SV4SA SoftVue™ Maximum Diffused Sag Acrylic ⁽²⁾

Notes:

1. 12L system only.
2. Not for use with Motion Sensor.

How to Order

Optional Control Receptacle ^{(2) (3)}	Optional Control	Optional Motion Sensor ^{(3) (5)} ^{(6) (7) (8)}	Optional Fuse	Optional House Side Shield ⁽⁹⁾	Optional Fixed Dimming Resistor Board ^{(2) (5)}	Finish
R7 7-Pin control receptacle only	PE Twist-Lock Photocontrol (120V-277V) ⁽⁴⁾ PE4 Twist-Lock Photocontrol (347V-480V) ⁽⁴⁾ SC Shorting Cap ⁽⁴⁾ PEC Electronic Button Photocontrol (120V-277V) PEC4 Electronic Button Photocontrol (480V)	MOT1 360° lens, maximum coverage 40" diameter from 20' height MOT2 360° lens, maximum coverage 70" diameter from 20' height	FHD Double Fuse and Holder	HSS 120° House Side Shield BLOC Back Light Optical Control	FDRB Fixed Dimming Resistor Board	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 BKT Black Textured CM Custom Match ⁽¹⁰⁾

Notes:

2. Not for use with Motion Sensor.

3. Not for use with FDRB.

4. Requires control receptacle.

5. Not for use with R7.

6. Requires FLAT acrylic lens.
7. For use with MDLxx driver only.

8. Not for use with Button Photocell.

9. Not for use with T5 optic.

10. Custom colors require upcharge.

Specifications

Housing	The heavy wall permanent mold heat sink is constructed of low-copper aluminum 356 alloy for enhanced corrosion resistance and high tensile strength. The finned heat sink efficiently dissipates heat from the source and is covered with an spun aluminum cap.
Thermal Management	Our convective AAD™ “Advanced Airflow Dynamics” technology maximizes heat sink effectiveness to deliver unsurpassed passive thermal management for long-life LED performance and energy efficiency.
Arm Assembly	The decorative arm assembly houses the driver assembly and is accessible through the cap or access door . The arm is offered with 2 vertical shaft sizes (4" and 5") . Arm secured to the tenon with stainless steel hardware. The 4" version (P4) fits on a 4" pole with a 3.5" diameter x 6" tall tenon. The 5" version (P5) fits on a 5" pole with a 4.5" diameter x 6" tall tenon.
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.
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 integral to arm assembly, 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	IP66 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
Custom Finish	Custom finishes are offered to adapt to any application. Custom Match option is 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. External House Side Shield (HSS): An optional external 120° House Side Shield helps control backlight. Spun aluminum panel painted to match fixture.
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.
Motion Sensor	The programmable passive infrared motion sensor is installed integral to the fixture. 2 coverage area lenses available; assuming a 20' mounting height a lens with 40' coverage (MOT1) and 70' coverage (MOT2) is available. Sensor includes Dusk/Dawn light sensor for ambient light levels. Custom pre-set programming options can be set at the factory. Optional wireless programming controller available for field reprogramming (FSIR-100).
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 (Arm Mount): The photocontrol shall be mounted on the arm 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 CA lens

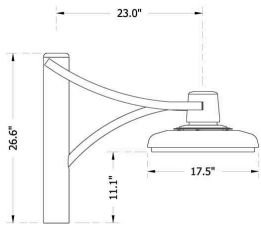
Model #	T2 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T3 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T4 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T5 DELIVERED LUMENS	BUG	EFFICACY (LPW)	WATTAGE
24L40T_-MDL018	14380	B2U0G2	121.9	13570	B3U0G3	115.0	14045	B2U0G2	119.0	14510	B3U0G2	123.0	118
24L30T_-MDL018	13275	B2U0G2	112.5	12525	B3U0G3	106.1	12965	B2U0G2	109.9	13395	B3U0G2	113.5	118
24L27T_-MDL018	12170	B2U0G2	103.1	11480	B3U0G3	97.3	11885	B2U0G2	100.7	12280	B3U0G2	104.1	118
24L40T_-MDL014	11540	B2U0G2	131.1	10915	B2U0G2	124.0	11280	B2U0G2	128.2	11665	B3U0G1	132.6	88
24L30T_-MDL014	10650	B2U0G2	121.0	10075	B2U0G2	114.5	10410	B2U0G2	118.3	10770	B3U0G1	122.4	88
24L27T_-MDL014	9765	B2U0G2	111.0	9235	B2U0G2	104.9	9545	B2U0G2	108.5	9870	B3U0G1	112.2	88
12L40T_-MDL018	7135	B1U0G1	120.9	6770	B2U0G2	114.7	7005	B1U0G2	118.7	7240	B3U0G1	122.7	59
12L30T_-MDL018	6585	B1U0G1	111.6	6250	B2U0G2	105.9	6465	B1U0G2	109.6	6685	B3U0G1	113.3	59
12L27T_-MDL018	6035	B1U0G1	102.3	5730	B2U0G2	97.1	5925	B1U0G2	100.4	6125	B3U0G1	103.8	59
12L40T_-MDL014	5885	B1U0G1	127.9	5570	B1U0G1	121.1	5775	B1U0G1	125.5	5970	B2U0G1	129.8	46
12L30T_-MDL014	5430	B1U0G1	118.0	5140	B1U0G1	111.7	5330	B1U0G1	115.9	5510	B2U0G1	119.8	46
12L27T_-MDL014	4980	B1U0G1	108.3	4715	B1U0G1	102.5	4885	B1U0G1	106.2	5050	B2U0G1	109.8	46
12L40T_-MDL008	3590	B1U0G1	133.0	3395	B1U0G1	125.7	3520	B1U0G1	130.4	3650	B2U0G1	135.2	27
12L30T_-MDL008	3315	B1U0G1	122.8	3135	B1U0G1	116.1	3250	B1U0G1	120.4	3370	B2U0G1	124.8	27
12L27T_-MDL008	3040	B1U0G1	112.6	2875	B1U0G1	106.5	2980	B1U0G1	110.4	3090	B2U0G1	114.4	27

EPA & Weight Chart

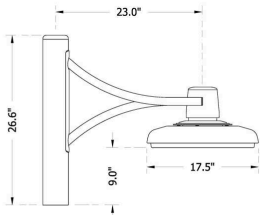
Fixture	SL635-U01S	SL635-U01 (Single)	SL635-U01 (Double)	SL635-U02 (Single)	SL635-U02 (Double)
EPA (FT²)	1.7	1.7	2.7	1.8	2.9
Weight (LBS)	36.5	37.5	67	36	61

Fixture	SL635-U03 (Single)	SL635-U03 (Double)	SL635-U04 (Single)	SL635-U04 (Double)
EPA (FT²)	1.52	2.59	2.1	2.9
Weight (LBS)	34	60	38.5	57.5

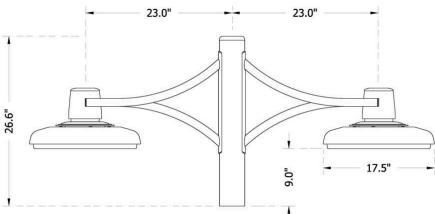
Dimensions



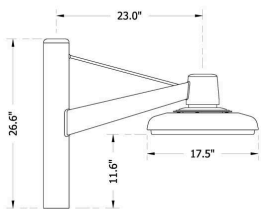
Sweep Wrap Arm, Single
(1-U01S)



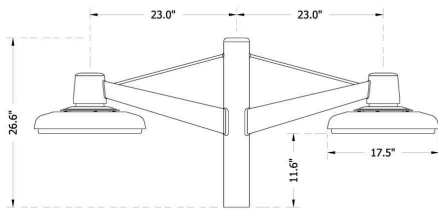
Sweep Arm Side Mount, Single
(1-U01)



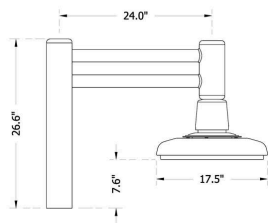
Sweep Arm Side Mount, Double
(2-U01)



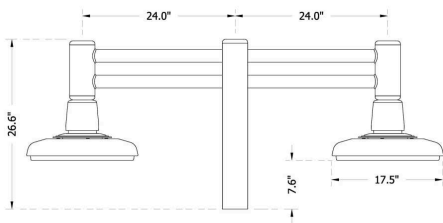
Angle Support Arm, Single
(1-U02)



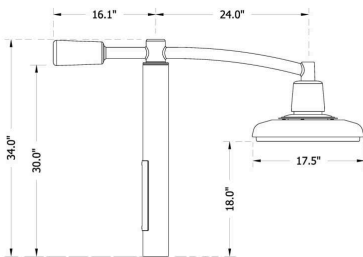
Angle Support Arm, Double
(2-U02)



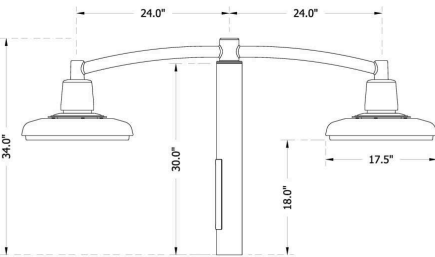
Horizontal 2 Pipe Arm, Single
(1-U03)



Horizontal 2 Pipe Arm, Double
(2-U03)



Archway Arm, Single
(1-U04)



Archway Arm, Double
(2-U04)

Options



House Side Shield (**HSS**)



Motion Sensor (**MOT1/MOT2**)



Button Photocell (**PEC/PEC4**)



7-Pin Control Receptacle with
Photocell (**R7-PE/PE4**)

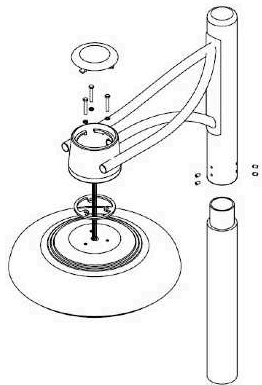


Fixed Dimming Resistor Board
(**FDRB**)

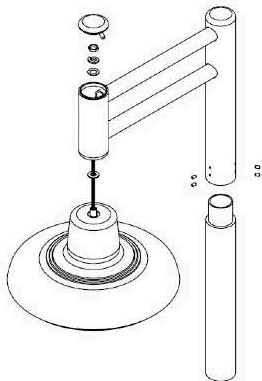


Double Fuse Holder & (2) 3A Fuses
(**FHD**)

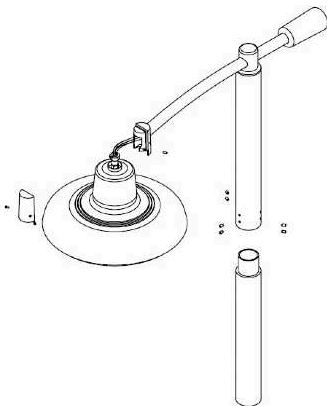
Mounting Details



TYPICAL INSTALLATION
U01, U01S, AND U02 ARMS



INSTALLATION U03 ARMS



INSTALLATION U04 ARMS

NOTE: MOUNTING HARDWARE SUPPLIED BY STERNBERG