

Project Name

Qty

Type

Catalog / Part Number



7 Year Warranty		Description	
7		The SL735 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.	
Mounting Configuration		Features	
Sweep Wrap Arm, Single Sweep Arm Side Mount, Single Sweep Arm Side Mount, Double Angle Support Arm, Single Angle Support Arm, Double		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	
Horizontal 2 Pipe Arm, Single Horizontal 2 Pipe Arm, Double Archway Arm, Single Archway Arm, Double		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 House Side Shield HSS: 120° House Side Shield BLOC: Back Light Optical Control	
		Optional Fixed Dimming Resistor Board FDRB: Fixed Dimming Resistor Board	
		Physical	
Arm Assembly Size		P4: 4" diameter arm assembly P5: 5" diameter arm assembly	
Fixture		SL735: Large Solana Arm Mount	

Finish


Black
Textured


Urban
Gun
Metal
Textured


Urban
Gun
Metal
Matte


Urban
Bronze
Textured


Urban
Bronze
Matte


Urban
Silver
Textured


Urban
Silver
Matte


Urban
White
Textured


Urban
White
Matte


Custom
Match

CCT - Color Temp (K)


2,700K


3,000K


3,500K


4,000K


5,000K

Distribution Type


Type 2


Type 3


Type 4


Type 5

IP Rating



Certifications



Lens	CA: Clear Acrylic
	FG: Flat Glass
	SA: Sag Acrylic
	FFG: Frosted Flat Glass
	SV1: Flat Soft Vue Light Diffused Acrylic
	SV2: Flat Soft Vue Moderate Diffused Acrylic
	SV4: Flat Soft Vue Maximum Diffused Acrylic
	SV1SA: Soft Vue Light Diffused Sag Acrylic
	SV2SA: Soft Vue Moderate Diffused Sag Acrylic
	SV4SA: Soft Vue Maximum Diffused Sag Acrylic
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
LED	40L: 40 LEDs
	32L: 32 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
	MDL016: 120V-277V,160mA
	MDH016: 347V-480V,160mA
	MDL014: 120V-277V,140mA
	MDH014: 347V-480V,140mA
Optional Motion Sensor	MOT1: 360° lens, maximum coverage 40' diameter from 20' height
	MOT2: 360° lens, maximum coverage 70' diameter from 20' height

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	SL735 Large Solana Arm Mount	40L 40 LEDs	27 2,700K	T2 Type 2	MDL018 120V-277V, 180mA ⁽¹⁾	CA Clear Acrylic
1-U01 Sweep Arm Side Mount, Single	P5 5" diameter arm assembly		32L 32 LEDs	30 3,000K	T3 Type 3	MDH018 347V-480V, 180mA ⁽¹⁾	FG Flat Glass ⁽³⁾
2-U01 Sweep Arm Side Mount, Double			24L 24 LEDs	35 3,500K	T4 Type 4	MDL016 120V-277V, 160mA ⁽²⁾	SA Sag Acrylic ⁽³⁾
1-U02 Angle Support Arm, Single				40 4,000K	T5 Type 5	MDH016 347V-480V, 160mA ⁽²⁾	FFG Frosted Flat Glass ⁽³⁾
2-U02 Angle Support Arm, Double				50 5,000K		MDL014 120V-277V, 140mA ⁽¹⁾	SV1 Flat Soft Vue Light Diffused Acrylic
1-U03 Horizontal 2 Pipe Arm, Single						MDH014 347V-480V, 140mA ⁽¹⁾	SV2 Flat Soft Vue Moderate Diffused Acrylic
2-U03 Horizontal 2 Pipe Arm, Double							SV4 Flat Soft Vue Maximum Diffused Acrylic
1-U04 Archway Arm, Single							SV1SA Soft Vue Light Diffused Sag Acrylic ⁽³⁾
2-U04 Archway Arm, Double							SV2SA Soft Vue Moderate Diffused Sag Acrylic ⁽³⁾
							SV4SA Soft Vue Maximum Diffused Sag Acrylic ⁽³⁾

Notes:

1. 24L or 32L system only.

2. 40L system only.

3. Not for use with Motion Sensor.

How to Order

Optional Control Receptacle ⁽³⁾ ⁽⁴⁾	Optional Control	Optional Motion Sensor ⁽⁴⁾ ⁽⁶⁾ ⁽⁷⁾ ⁽⁸⁾ ⁽⁹⁾	Optional Fuse	Optional House Side Shield ⁽¹⁰⁾	Optional Fixed Dimming Resistor Board ⁽³⁾ ⁽⁶⁾	Finish
R7 7-Pin control receptacle only	PE Twist-Lock Photocontrol (120V-277V) ⁽⁵⁾ PE4 Twist-Lock Photocontrol (347V-480V) ⁽⁵⁾ SC Shorting Cap ⁽⁵⁾ 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 ⁽¹¹⁾

Notes:

3. Not for use with Motion Sensor.

4. Not for use with FDRB.

5. Requires control receptacle.

6. Not for use with R7.

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

9. Not for use with Button Photocell.

10. Not for use with T5 optic.

11. 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.
Lens	Optional 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.
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.
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)
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 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. 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 FG lens

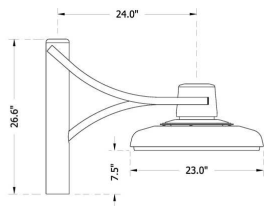
Model #	T2 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T3 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T4 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T5 DELIVERED LUMENS	BUG	EFFICACY (LPW)	WATTAGE
40L-40-T ₂ -MDL016	21415	B3U0G3	121.0	21545	B3U0G3	121.7	20905	B3U0G3	118.1	21720	B4U0G2	122.7	177
40L-30-T ₂ -MDL016	20420	B3U0G3	115.4	20540	B3U0G3	116.0	19930	B3U0G3	112.6	20710	B4U0G2	117.0	177
40L-27-T ₂ -MDL016	18460	B3U0G3	104.3	18575	B3U0G3	104.9	18020	B3U0G3	101.8	18725	B4U0G2	105.8	177
32L-40-T ₂ -MDL018	18455	B3U0G3	119.1	18590	B3U0G3	119.9	17690	B3U0G3	114.1	18620	B4U0G2	120.1	155
32L-30-T ₂ -MDL018	17595	B3U0G3	113.5	17725	B3U0G3	114.4	16865	B3U0G3	108.8	17755	B4U0G2	114.5	155
32L-27-T ₂ -MDL018	15910	B3U0G3	102.6	16025	B3U0G3	103.4	15250	B3U0G3	98.4	16050	B4U0G2	103.5	155
32L-40-T ₃ -MDL014	15225	B3U0G3	129.0	15265	B3U0G3	129.4	14750	B2U0G2	125.0	15310	B3U0G2	129.7	118
32L-30-T ₃ -MDL014	14515	B3U0G3	123.0	14555	B3U0G3	123.3	14065	B2U0G2	119.2	14595	B3U0G2	123.7	118
32L-27-T ₃ -MDL014	13125	B3U0G3	111.2	13160	B3U0G3	111.5	12715	B2U0G2	107.8	13200	B3U0G2	111.9	118
24L-40-T ₂ -MDL018	13990	B2U0G2	118.6	14090	B3U0G3	119.4	13565	B2U0G2	115.0	14140	B3U0G2	119.8	118
24L-30-T ₂ -MDL018	13340	B2U0G2	113.1	13435	B3U0G3	113.9	12935	B2U0G2	109.6	13480	B3U0G2	114.2	118
24L-27-T ₂ -MDL018	12060	B2U0G2	102.2	12145	B3U0G3	102.9	11695	B2U0G2	99.1	12190	B3U0G2	103.3	118
24L-40-T ₃ -MDL014	11275	B2U0G2	126.7	11370	B2U0G2	127.8	10930	B2U0G2	122.8	11365	B3U0G1	127.7	89
24L-30-T ₃ -MDL014	10750	B2U0G2	120.8	10840	B2U0G2	121.8	10420	B2U0G2	117.1	10835	B3U0G1	121.7	89
24L-27-T ₃ -MDL014	9720	B2U0G2	109.2	9800	B2U0G2	110.1	9420	B2U0G2	105.8	9795	B3U0G1	110.1	89

EPA & Weight Chart

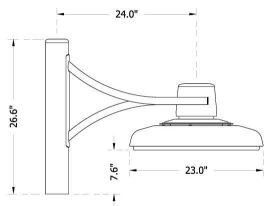
Fixture	SL735-U01S	SL735-U01 (Single)	SL735-U01 (Double)	SL735-U02 (Single)	SL735-U02 (Double)
EPA (FT ²)	1.9	1.9	3.1	1.72	2.99
Weight (LBS)	57.5	58.5	109	55	102

Fixture	SL735-U03 (Single)	SL735-U03 (Double)	SL735-U04 (Single)	SL735-U04 (Double)
EPA (FT ²)	1.72	2.99	2.3	3.3
Weight (LBS)	55	102	59.5	99.5

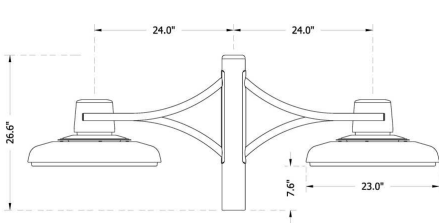
Dimensions



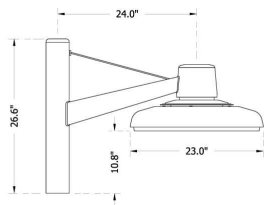
Sweep Wrap Arm, Single
(1-U01S)



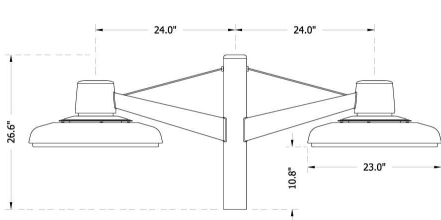
Sweep Arm Side Mount, Single
(1-U01)



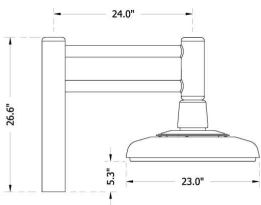
Sweep Arm Side Mount, Double
(2-U01)



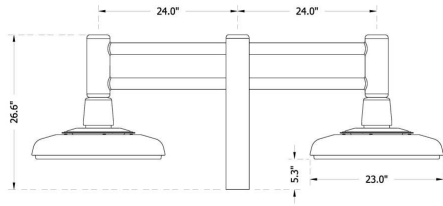
Angle Support Arm, Single
(1-U02)



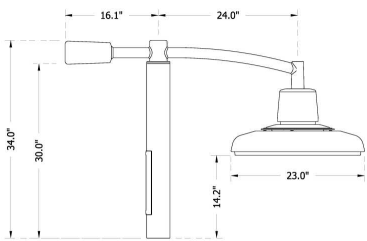
Angle Support Arm, Double
(2-U02)



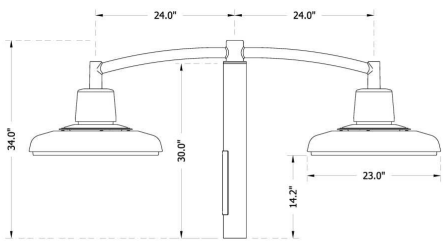
Horizontal 2 Pipe Arm, Single
(1-U03)



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**)

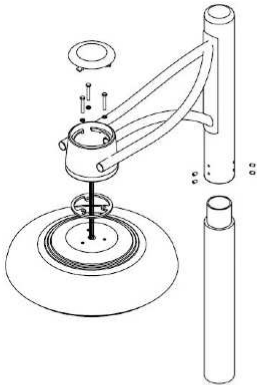


Fixed Dimming Resistor Board (**FDRB**)

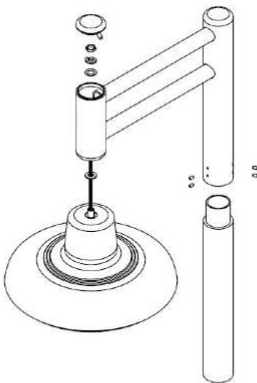


Double Fuse Holder & (2) 3A Fuses (**FHD**)

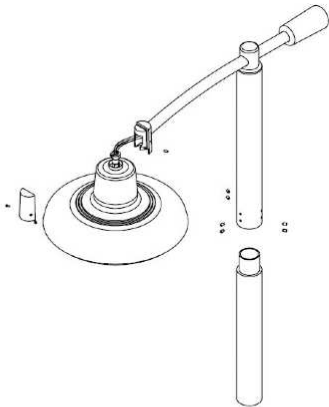
Mounting Details



TYPICAL INSTALLATION
U01, U01S, AND U02 ARMS



INSTALLATION U03 ARMS



INSTALLATION U04 ARMS

NOTE: MOUNTING HARDWARE SUPPLIED BY STERNBERG