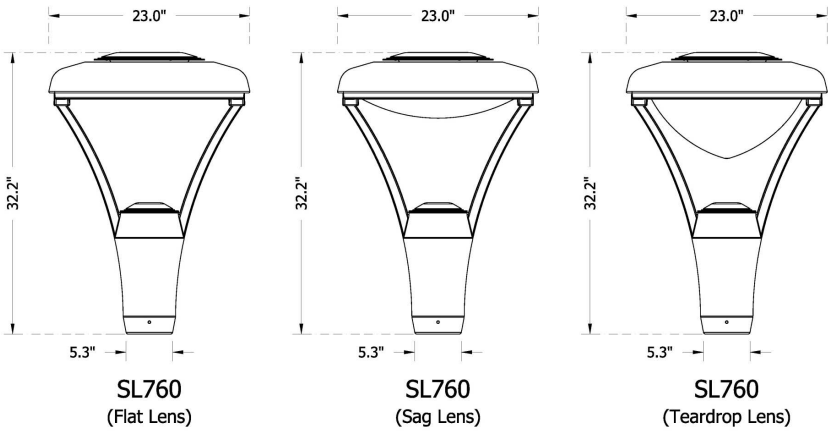


Project Name

Qty

Type

Catalog / Part Number



7 Year Warranty



Mounting Configuration

Wall Mount

Post Top

1 Arm Mount

1 Arm & Post Top

2 Arm Mount @ 180°

2 Arm Mount @ 90°

2 Arm @ 180° & Post Top

3 Arms @ 120°

3 Arms @ 90°

3 Arm @ 120° & Post Top

4 Arms @ 90°

4 Arm @ 90° & Post Top

1 Arm Mid-Mount

2 Arm Mid-Mount @ 180°

Description

The SL760 Solana™ Post Top Luminaire's modern geometric design complements a diverse assortment of contemporary architectural settings. It's urbanesque yoke design offers not only aesthetic beauty, durability and optical efficiency, but takes street, area, and medium mount lighting to another level. The Large Solana™ SL760 is well suited for all roadway and site environments.

EPA: 1.3 (ft²)
WEIGHT: 53 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°

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




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



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		
Fixture	SL760: Large Solana Post Top	
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 TDC: Clear Acrylic Teardrop SV1TD: Soft Vue Light Diffused Acrylic Teardrop SV2TD: Soft Vue Moderate Diffused Acrylic Teardrop	
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	40L: 40 LEDs 32L: 32 LEDs 24L: 24 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
Electrical and control		
Driver	MDL018: 120V-277V,180mA MDL016: 120V-277V,160mA MDL014: 120V-277V,140mA	MDH018: 347V-480V,180mA MDH016: 347V-480V,160mA 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	Fixture	LED	CCT - Color Temp (K)	Distribution Type	Driver	Lens
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°	SL760 Large Solana Post Top	40L 40 LEDs 32L 32 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 ⁽¹⁾ MDH018 347V-480V, 180mA ⁽¹⁾ MDL016 120V-277V, 160mA ⁽²⁾ MDH016 347V-480V, 160mA ⁽²⁾ MDL014 120V-277V, 140mA ⁽¹⁾ MDH014 347V-480V, 140mA ⁽¹⁾	CA Clear Acrylic FG Flat Glass ⁽³⁾ SA Sag Acrylic ⁽³⁾ FFG Frosted Flat Glass ⁽³⁾ 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 ⁽³⁾ SV2SA Soft Vue Moderate Diffused Sag Acrylic SV4SA Soft Vue Maximum Diffused Sag Acrylic ⁽³⁾ TDC Clear Acrylic Teardrop ⁽³⁾ SV1TD Soft Vue Light Diffused Acrylic Teardrop ⁽³⁾ SV2TD Soft Vue Moderate Diffused Acrylic Teardrop ⁽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 ⁽¹⁰⁾	Optional House Side Shield ⁽¹¹⁾	Optional Fixed Dimming Resistor Board ^{(3) (7)}	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 ⁽¹²⁾

- Notes:
3. Not for use with Motion Sensor.

4. Not for use with FDRB.

5. Requires control receptacle.

6. Requires FLAT acrylic lens.

7. Not for use with R7.

8. For use with MDLxx driver only.

9. Not for use with Button Photocell.

10. Ships loose for installation in base.

11. Not for use with T5 optic.

12. 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.
Fitter	The aluminum fitter Includes 4 stainless steel Allen-head set screws for attachment to a pole/tenon, and shall slip fit a 3" OD x 3" 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 SoftVue™ lens provides optimal visual comfort.
UL Listing	UL listed per UL1598 and CSA 22.2 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 compliant optics 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	<p>The LEDs in this system will be fully shielded in a direct downward position to maximize efficiency.</p> <p>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).</p> <p>CCT Lumen Derate Values from 4,000K</p> <p>2,700K (70+ CRI)=.92</p> <p>3,000K (70+ CRI)=.95</p> <p>3,500K (70+ CRI)=1.03</p> <p>5,000K (70+ CRI)=1.00</p>
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.



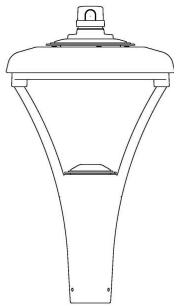
Backlight Optical Control	<p>BLOC Optic (BLOC): An optional "Back Light Optical Control" shield can be provided at the factory. This is an internal optic level "House Side Shield" offering significantly reduced backlight and glare while maintaining the original design aesthetics of the luminaire.</p> <p>External House Side Shield (HSS): An optional external 120° House Side Shield helps control backlight. Spun aluminum panel painted to match fixture.</p>
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	<p>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.</p> <p>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.</p>

Lumen Chart(s)

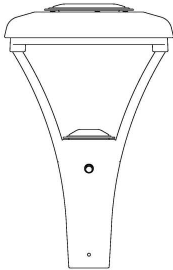
Tested with CA lens

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
40L40T_-MDL016	18830	B3U0G3	107.0	19015	B3U0G3	108.0	18820	B3U0G3	106.9	19510	B4U0G2	110.9	176
40L30T_-MDL016	17955	B3U0G3	102.0	18130	B3U0G3	103.0	17945	B3U0G3	102.0	18600	B4U0G2	105.7	176
40L27T_-MDL016	16235	B3U0G3	92.2	16390	B3U0G3	93.1	16225	B3U0G3	92.2	16820	B4U0G2	95.6	176
32L40T_-MDL018	15990	B3U0G3	103.2	16195	B3U0G3	104.5	16185	B3U0G3	104.4	16810	B4U0G2	108.5	155
32L30T_-MDL018	15245	B3U0G3	98.4	15440	B3U0G3	99.6	15430	B3U0G3	99.5	16025	B4U0G2	103.4	155
32L27T_-MDL018	13785	B3U0G3	88.9	13960	B3U0G3	90.1	13955	B3U0G3	90.0	14490	B4U0G2	93.5	155
32L40T_-MDL014	13120	B2U0G2	111.2	13280	B2U0G2	112.5	13230	B2U0G2	112.1	13780	B3U0G2	116.8	118
32L30T_-MDL014	12510	B2U0G2	106.0	12660	B2U0G2	107.3	12615	B2U0G2	106.9	13140	B3U0G2	111.4	118
32L27T_-MDL014	11310	B2U0G2	95.8	11450	B2U0G2	97.0	11405	B2U0G2	96.7	11880	B3U0G2	100.7	118
24L40T_-MDL018	11660	B2U0G2	98.8	11815	B2U0G2	100.1	12080	B2U0G2	102.4	12675	B3U0G3	107.4	118
24L30T_-MDL018	11115	B2U0G2	94.2	11265	B2U0G2	95.5	11520	B2U0G2	97.6	12085	B3U0G3	102.4	118
24L27T_-MDL018	10050	B2U0G2	85.2	10185	B2U0G2	86.3	10415	B2U0G2	88.3	10925	B3U0G3	92.6	118
24L40T_-MDL014	9360	B2U0G2	105.2	9485	B2U0G2	106.6	9685	B2U0G2	108.8	10185	B3U0G3	114.4	89
24L30T_-MDL014	8925	B2U0G2	100.3	9045	B2U0G2	101.6	9235	B2U0G2	103.8	9710	B3U0G3	109.1	89
24L27T_-MDL014	8070	B2U0G2	90.7	8175	B2U0G2	91.9	8350	B2U0G2	93.8	8780	B3U0G3	98.7	89

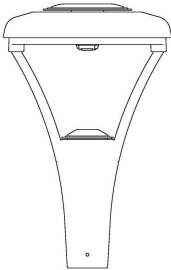
Options



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



Button Photocell (PEC/PEC4)



Motion Sensor (MOT1/MOT2)



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



Fixed Dimming Resistor Board (FDRB)



House Side Shield (HSS)