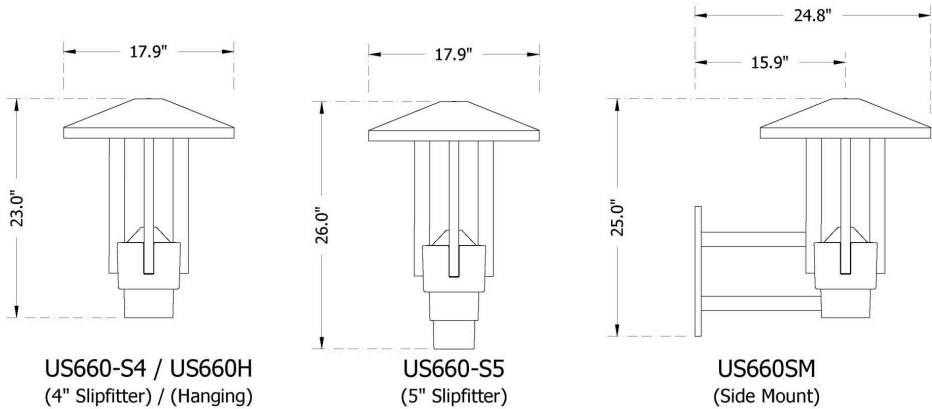


Project Name _____

Qty _____

Type _____

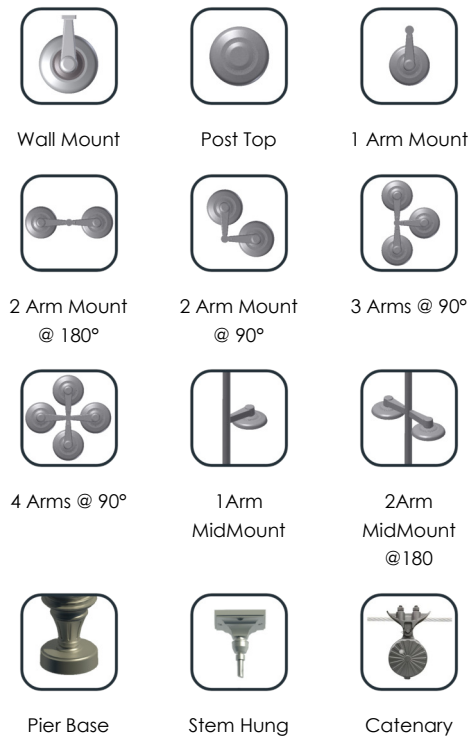
Catalog / Part Number _____



Certifications



Mounting Configuration



Description

The US660 Usonia luminaire illuminates pedestrian walkways and smaller roadways with minimalist elegance. Its open-body design and clean lines, inspired by classic architectural principles, deliver bold, timeless illumination.

EPA: 1.08 (ft²) | WEIGHT: 35 LBS

Features

Mounting Configuration

- 1W: Wall Mount
- PT: Post Top
- 1A: 1 Arm Mount
- 2A: 2 Arm Mount @ 180°
- 2A90: 2 Arm Mount @ 90°
- 3A90: 3 Arms @ 90°
- 4A: 4 Arms @ 90°
- 1AM: 1 Arm MidMount
- 2AM: 2 Arm MidMount @180
- P2PB: Pier Base
- SH77: Stem Hung
- CAT: Catenary

Luminaire

- US660: Usonia, Medium Post Top
- US660H: Usonia, Medium Hanging
- US660SM: Usonia, Medium Side Mount

Fitter

- S4: To EXTERNALLY slip fit 4" SQ pole
- S5: To INTERNALLY slip fit 5" SQ pole

Lens

- SV1: Flat SoftVue™ Light Diffused Acrylic
- SV2: Flat SoftVue™ Moderate Diffused Acrylic
- SV4: Flat SoftVue™ Maximum Diffused Acrylic

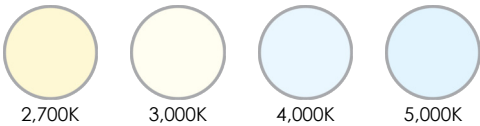
Optional Control Receptacle

- R7: 7-Pin control receptacle only

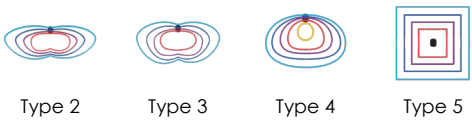
Finish



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)
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
Optional 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 OWGT: Old World Gray Tex CD: Cedar CM: Custom Match

Light Source

LED	84L: 84 LEDs
CCT - Color Temp (K)	27: 2,700K 30: 3,000K 40: 4,000K 50: 5,000K
Distribution Type	T2: Type 2 T3: Type 3 T4: Type 4 T5: Type 5
Driver	MDL001: 120V-277V, 10mA MDH001: 347V-480V, 10mA MDL002: 120V-277V, 20mA MDH002: 347V-480V, 20mA MDL003: 120V-277V, 30mA MDH003: 347V-480V, 30mA MDL005: 120V-277V, 50mA MDH005: 347V-480V, 50mA

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) ⁽⁵⁾	Luminaire	Filter ⁽²⁾	LED	CCT - Color Temp (K)	Distribution Type	Driver	Lens
1W Wall Mount PT Post Top 1A 1 Arm Mount ⁽¹⁾ 2A 2 Arm Mount @ 180° ⁽¹⁾ 2A90 2 Arm Mount @ 90° ⁽¹⁾ 3A90 3 Arms @ 90° ⁽¹⁾ 4A 4 Arms @ 90° ⁽¹⁾ 1AM 1 Arm MidMount ⁽¹⁾ 2AM 2 Arm MidMount @ 180° ⁽¹⁾ P2PB Pier Base ⁽²⁾ SH77 Stem Hung CAT Catenary ⁽³⁾ ⁽⁴⁾		US660 Usonia, Medium Post Top US660H Usonia, Medium Hanging US660SM Usonia, Medium Side Mount	S4 To EXTERNALLY slip fit 4" SQ pole S5 To INTERNALLY slip fit 5" SQ pole	84L 84 LEDs	27 2,700K 30 3,000K 40 4,000K 50 5,000K	T2 Type 2 T3 Type 3 T4 Type 4 T5 Type 5	MDL001 120V-277V, 10mA MDH001 347V-480V, 10mA MDL002 120V-277V, 20mA MDH002 347V-480V, 20mA MDL003 120V-277V, 30mA MDH003 347V-480V, 30mA MDL005 120V-277V, 50mA MDH005 347V-480V, 50mA	SV1 Flat SoftVue™ Light Diffused Acrylic SV2 Flat SoftVue™ Moderate Diffused Acrylic SV4 Flat SoftVue™ Maximum Diffused Acrylic

- Notes:
1. For use with hanging (H) or side mount (SM) fixture only.

2. For use with Post Top fixture only.

3. For use with hanging (H) fixture only.

4. Requires EZ hang-straight.

5. Minimum 29" Overall Drop Length.

How to Order

Optional Control Receptacle ⁽⁶⁾ ⁽⁷⁾	Optional Control	Optional Fuse ⁽¹⁰⁾	Optional Hangstraight ⁽³⁾	Optional House Side Shield ⁽¹¹⁾	Optional Fixed Dimming Resistor Board ⁽⁹⁾	Finish
R7 7-Pin control receptacle only	PE Twist-Lock Photocontrol (120V-277V) ⁽⁸⁾ PE4 Twist-Lock Photocontrol (347V-480V) ⁽⁸⁾ SC Shorting Cap ⁽⁸⁾ PEC Electronic Button Photocontrol (120V-277V) ⁽⁹⁾ PEC4 Electronic Button Photocontrol (480V) ⁽⁹⁾	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 ⁽⁹⁾	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 OWGT Old World Gray Tex CD Cedar CM Custom Match

Notes:

3. For use with hanging (H) fixture only.

6. Not for use with FDRB.

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

8. Requires control receptacle.
9. Not for use with R7.

10. Ships loose for installation in base.

11. Not for use with T5 optic.

Specifications

Housing	The housing is constructed utilizing precision cast aluminum parts.
LED Module	The field replaceable internal LED module comes factory sealed with an IP66 rating. The internal heat sink is sealed to the lens to protect the LED platform from the outside elements.
Fitter	This "Post Top" style includes a fitter to slip a pole/tenon, mechanically attaching to the tenon with included hardware.. S4 - Externally slip fits a 4" square x 2.75" tall pole/tenon S5 - Internally slip fits a 5" square and extending 3" into the pole/tenon (.250 maximum wall thickness)
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	The side mount variant can be used on wall and pole mounting configurations. The arm is constructed and shipped integral to the luminaire and constructed of 1.5" extruded aluminum. The Post Mount version includes a 2.5"x15.25" cast aluminum backplate welded to the pole shaft. The Wall Mount version includes a 4.75"x15.25" cast aluminum backplate for mounting, requiring wall mounting hardware by others.
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.
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) .
Serviceability	Removable leg allows for easy access to the driver compartment for maintenance.
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.
IP Rating	IP66 rated optical module 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.
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 SV1 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
84L-40-T ₂ -MDL005	11815	B2U0G2	120.6	10620	B2U0G2	108.4	11255	B2U0G2	114.8	11840	B3U0G1	120.8	98
84L-30-T ₂ -MDL005	10905	B2U0G2	111.3	9805	B2U0G2	100.1	10390	B2U0G2	106.0	10930	B3U0G1	111.5	98
84L-27-T ₂ -MDL005	9995	B2U0G2	102.0	8985	B2U0G2	91.7	9525	B2U0G2	97.2	10020	B3U0G1	102.2	98
84L-40-T ₂ -MDL003	8115	B2U0G1	124.8	7285	B2U0G2	112.1	7715	B2U0G2	118.7	8125	B3U0G1	125.0	65
84L-30-T ₂ -MDL003	7490	B2U0G1	115.2	6725	B2U0G2	103.5	7120	B2U0G2	109.5	7500	B3U0G1	115.4	65
84L-27-T ₂ -MDL003	6865	B2U0G1	105.6	6165	B2U0G2	94.8	6530	B2U0G2	100.5	6875	B3U0G1	105.8	65
84L-40-T ₂ -MDL002	5835	B1U0G1	124.1	5245	B1U0G1	111.6	5555	B1U0G1	118.2	5845	B2U0G1	124.4	47
84L-30-T ₂ -MDL002	5385	B1U0G1	114.6	4840	B1U0G1	103.0	5130	B1U0G1	109.1	5395	B2U0G1	114.8	47
84L-27-T ₂ -MDL002	4935	B1U0G1	105.0	4440	B1U0G1	94.5	4700	B1U0G1	100.0	4945	B2U0G1	105.2	47
84L-40-T ₂ -MDL001	3645	B1U0G1	121.5	3290	B1U0G1	109.7	3480	B1U0G1	116.0	3655	B2U0G1	121.8	30
84L-30-T ₂ -MDL001	3365	B1U0G1	112.2	3035	B1U0G1	101.2	3210	B1U0G1	107.0	3375	B2U0G1	112.5	30
84L-27-T ₂ -MDL001	3085	B1U0G1	102.8	2785	B1U0G1	92.8	2945	B1U0G1	98.2	3095	B2U0G1	103.2	30

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**)

Fitters



(S4) 4" Slipfitter

Externally slip fits a 4" square x 2.75" tall pole/tenon



(S5) 5" Slipfitter

Internally slip fits a 5" square and extending 3" into the pole/tenon
(.250 maximum wall thickness)

Options



Button Photocell
(PEC/PEC4)



7-Pin NEMA Twist-Lock Receptacle and Photocell
(R7-PE)



Fixed Dimming Resistor Board
(FDRB)



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



Back Light Optical Control
(BLOC)

Arm Examples



Arm: 480 | Hangstraight: EZ



Arm: HM | Hangstraight: EZ

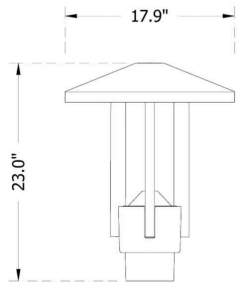


Arm: OD | Hangstraight: EZ

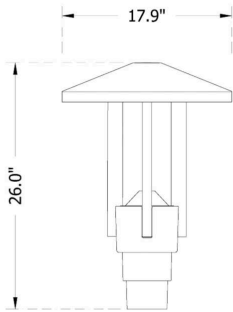


Side Mount Luminaire

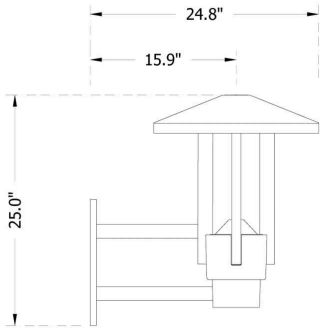
Dimensions



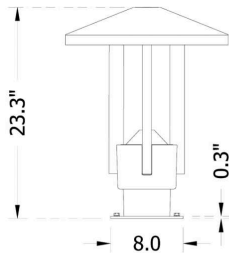
Post Top, 4" Slipfitter & Hanging
(US660-S4 & US660H)



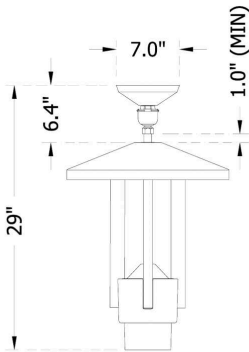
Post Top, 5" Slipfitter
(US660-S5)



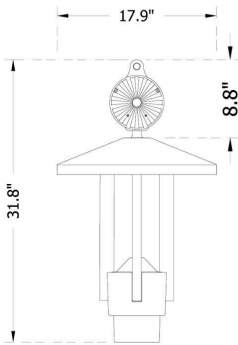
Side Mount
(US660SM)



Pier Base
(P2PB-US660-S4)



Stem Hung
(SH77-US660H)



Catenary
(CAT-US660H)