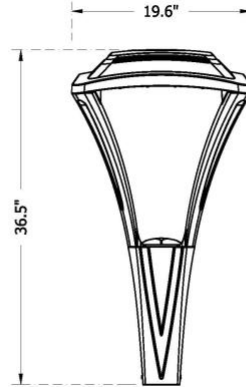
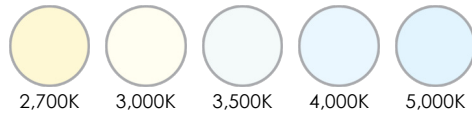


Project Name _____ Qty _____

Type _____ Catalog / Part Number _____



CCT - Color Temperature (K)



7 Year Warranty



Certifications



Description

The Millenia™ ML760 large post top luminaire is a breakthrough in modern area lighting technology. Its new world urban design transcends traditional lighting convention by seamlessly interweaving form and function to yet another level. Available with a myriad of options, the Millenia™ is perfect for commercial, institutional and municipal markets.

EPA: 1.6 (#²) | WEIGHT: 50 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

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 **ML760:** ML760

Lens	CA: Clear Acrylic SV1: Flat Soft Vue Light Diffused Acrylic SV2: Flat Soft Vue Moderate Diffused Acrylic	
Finish	UGMT: Urban Gun Metal Textured UB: Urban Bronze Matte USL: Urban Silver Matte UWH: Urban White Matte CM: Custom Match	UGM: Urban Gun Metal Matte UBT: Urban Bronze Textured USLT: Urban Silver Textured UWHT: Urban White Textured BKT: Black Textured

Light Source

LED	40L: 40 LEDs 24L: 24 LEDs	32L: 32 LEDs
CCT - Color Temperature (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
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Specifications

Fitter	The fitter shall be heavy wall cast aluminum for high tensile strength. It 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.
Serviceability	Tool-less access to the driver compartment allows for trouble free servicing of the LED Driver and Surge Suppressor.
Comfortable Optics	SoftVue™ lens provides optimal visual comfort
UL Listing	UL listed per UL1598 for Wet Locations and CSA 22.2 No. 250.0 for the US and Canada.
Electronic Driver	The LED driver shall be securely mounted inside the fixture, for optimized performance and longevity and shall be U.L. Recognized. It shall be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections and fixture installation. It shall have overload, overheat and short circuit protection, and have a DC voltage output, constant current design, 50/60HZ. It shall be supplied with line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It shall be a high efficiency driver with a THD less than 20% and a high power factor greater than .9. It shall be dimming capable using a 0-10v signal, consult factory for more information.
NightSky® Friendly	Night-Sky Compliant with a U0 BUG rating
Finish	6 Stage Polyester Powdercoat paint system.
Urban Finish	Urban paint finishes are available in Sternberg Lighting's Urbanline products and create a modern, elegant aesthetic. Finishes are available in textured or matte.
Warranty	7-year limited warranty (See Website for Terms and Conditions.)

LEDs The luminaire shall be fully shielded and use high output, high brightness LEDs in a 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)=.97
 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.

FDRB 10-step field adjustable dimming board. Includes step dimming options from 25%-100%. The unit is conformal coated and UL recognized for use in damp locations.

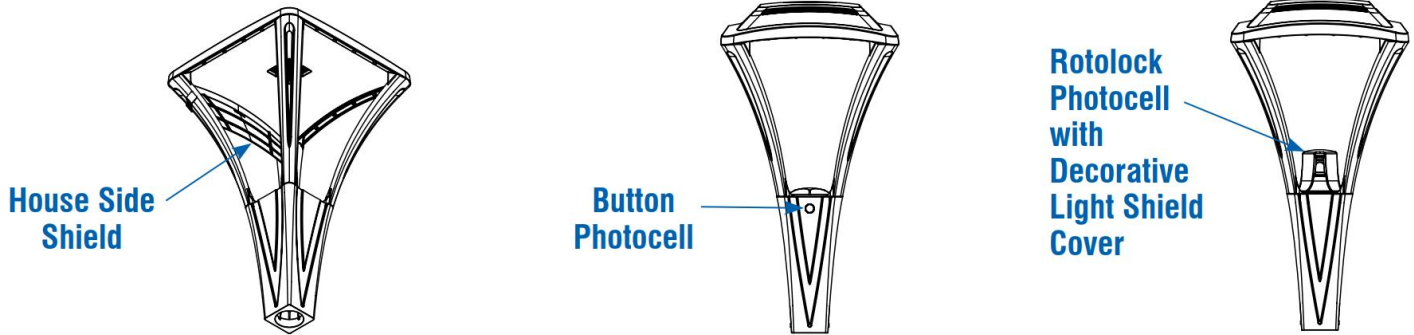
Photocontrols **Button Style:** The photocontrol shall be mounted on the fixture and pre-wired to driver. The electronic button type photocontrol is instant on with a 5-10 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. See pole spec sheet for pole mounted version.
Twist-Lock Style (Body Mount): The photocontrol shall be mounted in the main body of the luminaire. This option includes a cast aluminum light shield cover. 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)

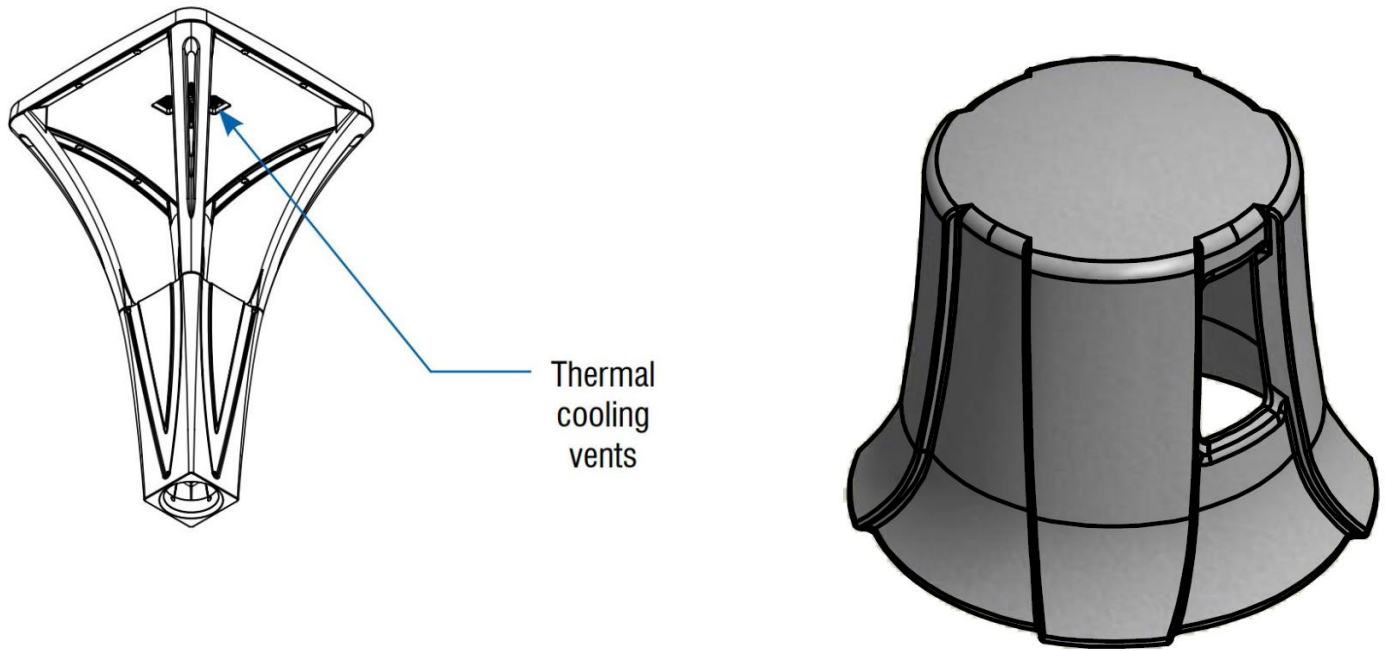
Tested with CA lens

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
40L40T_-MDL016	16480	B3U0G3	94.2	16730	B3U0G3	95.6	16105	B3U0G3	92.0	17045	B4U0G2	97.4	175
40L30T_-MDL016	15715	B3U0G3	89.8	15950	B3U0G3	91.1	15355	B3U0G3	87.7	16250	B4U0G2	92.9	175
40L27T_-MDL016	14205	B3U0G3	81.2	14420	B3U0G3	82.4	13885	B3U0G3	79.3	14695	B4U0G2	84.0	175
32L40T_-MDL018	14040	B2U0G2	91.2	14320	B2U0G2	93.0	13840	B2U0G2	89.9	14645	B3U0G2	95.1	154
32L30T_-MDL018	13385	B2U0G2	86.9	13655	B2U0G2	88.7	13195	B2U0G2	85.7	13965	B3U0G2	90.7	154
32L27T_-MDL018	12105	B2U0G2	78.6	12345	B2U0G2	80.2	11930	B2U0G2	77.5	12625	B3U0G2	82.0	154
32L40T_-MDL014	11575	B2U0G2	98.9	11825	B2U0G2	101.1	11400	B2U0G2	97.4	12070	B3U0G1	103.2	117
32L30T_-MDL014	11035	B2U0G2	94.3	11275	B2U0G2	96.4	10870	B2U0G2	92.9	11510	B3U0G1	98.4	117
32L27T_-MDL014	9980	B2U0G2	85.3	10195	B2U0G2	87.1	9830	B2U0G2	84.0	10405	B3U0G1	88.9	117
24L40T_-MDL018	10810	B2U0G2	92.4	11015	B2U0G2	94.1	10500	B2U0G2	89.7	11160	B3U0G1	95.4	117
24L30T_-MDL018	10305	B2U0G2	88.1	10500	B2U0G2	89.7	10010	B2U0G2	85.6	10640	B3U0G1	90.9	117
24L27T_-MDL018	9320	B2U0G2	79.7	9495	B2U0G2	81.2	9050	B2U0G2	77.4	9620	B3U0G1	82.2	117
24L40T_-MDL014	8700	B2U0G2	98.9	8855	B2U0G2	100.6	8465	B2U0G2	96.2	8985	B3U0G1	102.1	88
24L30T_-MDL014	8295	B2U0G2	94.3	8445	B2U0G2	96.0	8070	B2U0G2	91.7	8565	B3U0G1	97.3	88
24L27T_-MDL014	7500	B2U0G2	85.2	7635	B2U0G2	86.8	7295	B2U0G2	82.9	7745	B3U0G1	88.0	88

Options



Other Features



How to order

Mounting Configuration	Fixture	LED	CCT - Color Temperature (K)	Distribution Type	Driver	Lens	Optional Control Receptacle ⁽⁴⁾	Optional Control	Optional Fuse	Optional House Side Shield ⁽⁷⁾	Optional Fixed Dimming Resistor Board ⁽⁸⁾	Finish
1W Wall Mount	ML760 ML760	40L 40 LEDs	27 2,700K	T2 Type 2	MDL018 120V-277V, 180mA ⁽²⁾	CA Clear Acrylic	R7 7-Pin control receptacle only	PE Twist-Lock Photocontrol (120V-277V) ⁽⁵⁾	FHD Double Fuse and Holder ⁽⁶⁾	HSS 120° House Side Shield	FDRB Fixed Dimming Resistor Board	UGMT Urban Gun Metal Textured
PT Post Top		32L 32 LEDs	30 3,000K	T3 Type 3	MDH018 347V-480V, 180mA ⁽²⁾	SV1 Flat Soft Vue Light Diffused Acrylic		PE4 Twist-Lock Photocontrol (347V-480V) ⁽⁵⁾		BLOC Back Light Optical Control		UGM Urban Gun Metal Matte
1A 1 Arm Mount		24L 24 LEDs	35 3,500K	T4 Type 4	MDL016 120V-277V, 160mA ⁽³⁾	SV2 Flat Soft Vue Moderate Diffused Acrylic		PE4 Twist-Lock Photocontrol (347V-480V) ⁽⁵⁾				UBT Urban Bronze Textured
1APT 1 Arm & Post Top			40 4,000K	T5 Type 5	MDH016 347V-480V, 160mA ⁽³⁾			SC Shorting Cap ⁽⁵⁾				UB Urban Bronze Matte
2A 2 Arm Mount @ 180°			50 5,000K		MDL014 120V-277V, 140mA ⁽²⁾			PEC Electronic Button Photocontrol (120V-277V)				USLT Urban Silver Textured
2A90 2 Arm Mount @ 90°					MDH014 347V-480V, 140mA ⁽²⁾			PEC4 Electronic Button Photocontrol (480V)				USL Urban Silver Matte
2APT 2 Arm @ 180° & Post Top												UWHT Urban White Textured
3A 3 Arms @ 120° ⁽¹⁾												UWH Urban White Matte
3A90 3 Arms @ 90°												BKT Black Textured
3APT 3 Arm @ 120 & Post Top ⁽¹⁾												CM Custom Match ⁽⁹⁾ ⁽¹⁰⁾
4A 4 Arms @ 90°												
4APT 4 Arm @ 90 & Post Top												
1AM 1 Arm Mid- Mount												
2AM 2 Arm Mid- Mount @ 180												

Notes:

- 1. Only available with a round profile pole
- 2. 32L or 24L system only.
- 3. 40L system only.
- 4. Not for use with FDRB.
- 5. Requires control receptacle.
- 6. Ships loose for installation in base.
- 7. Not for use with T5 optic.
- 8. Not for use with R7.
- 9. Smooth finishes are available upon request.
- 10. Custom colors require upcharge.