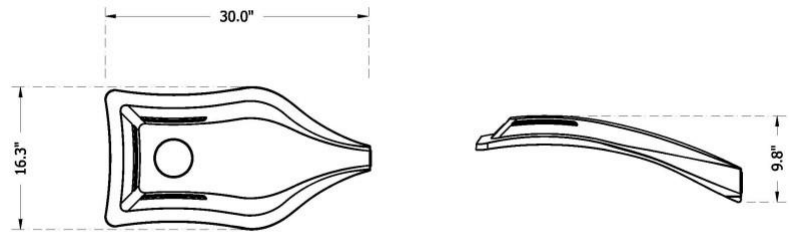


Project Name _____ Qty _____

Type _____ Catalog / Part Number _____



CCT - Color Temperature (K)



7 Year Warranty



Certifications



Description

The Millenia™ ML630 medium bolt-on mount 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: .83 (#²) | WEIGHT: 27 LBS

Features

Mounting Configuration	1W: Wall Mount	1A: 1 Arm Mount
	2A: 2 Arm Mount @ 180°	2A90: 2 Arm Mount @ 90°
	3A: 3 Arms @ 120°	3A90: 3 Arms @ 90°
	4A: 4 Arms @ 90°	1AM: 1 Arm Mid-Mount
	2AM: 2 Arm Mid-Mount @ 180	

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	ML630: ML630
Lens	CA: Clear Acrylic
	SV1: Flat Soft Vue Light Diffused Acrylic
	SV2: Flat Soft Vue Moderate Diffused Acrylic
Optional Pole Adapter	RP34: For 3" to 4" diameter poles.
	RP56: For 5" to 6" diameter poles.

Finish	UGMT: Urban Gun Metal Textured	UGM: Urban Gun Metal Matte
	UB: Urban Bronze Matte	UBT: Urban Bronze Textured
	USL: Urban Silver Matte	USLT: Urban Silver Textured
	UWH: Urban White Matte	UWHT: Urban White Textured
	CM: Custom Match	BKT: Black Textured

Light Source

LED	24L: 24 LEDs	16L: 16 LEDs
	12L: 12 LEDs	
CCT - Color Temperature (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
	MDL014: 120V-277V, 140mA	MDH014: 347V-480V, 140mA
	MDL008: 120V-277V, 80mA	MDH008: 347V-480V, 80mA
Optional Motion Sensor	MOT1: 360° lens, maximum coverage 40' diameter from 20' height	
	MOT2: 360° lens, maximum coverage 70' diameter from 20' height	

Specifications

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 **External House Side Shield (HSS):** An optional external 120° House Side Shield helps control backlight. Spun aluminum panel painted to match fixture.
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.

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.

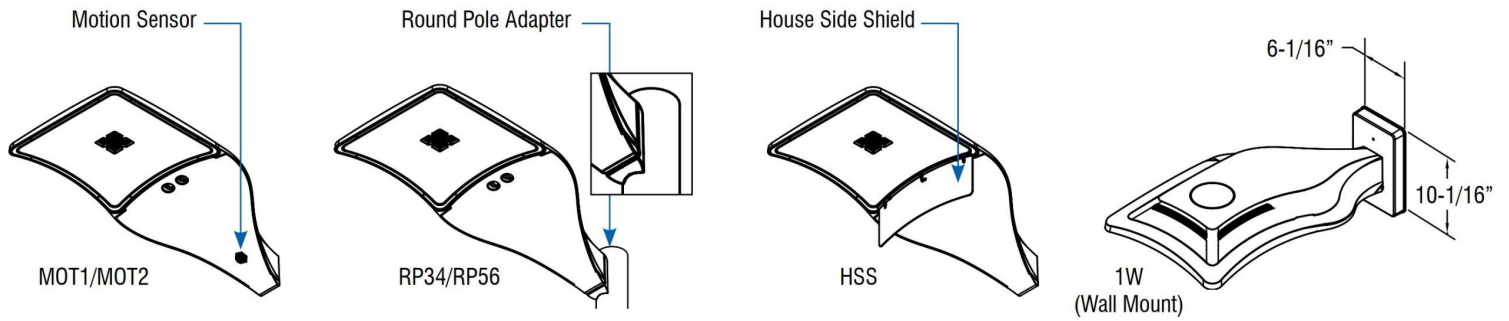
Motion Sensor The programmable passive infrared motion sensor is installed integral to the fixture. 2 coverage area lenses available; assuming a 20' mounting height a lens with 40' coverage (**MOT1**) and 70' coverage (**MOT2**) is available. Sensor includes Dusk/Dawn light sensor for ambient light levels. Custom pre-set programming options can be set at the factory. Optional wireless programming controller available for field reprogramming (**FSIR-100**).

Lumen Chart(s)

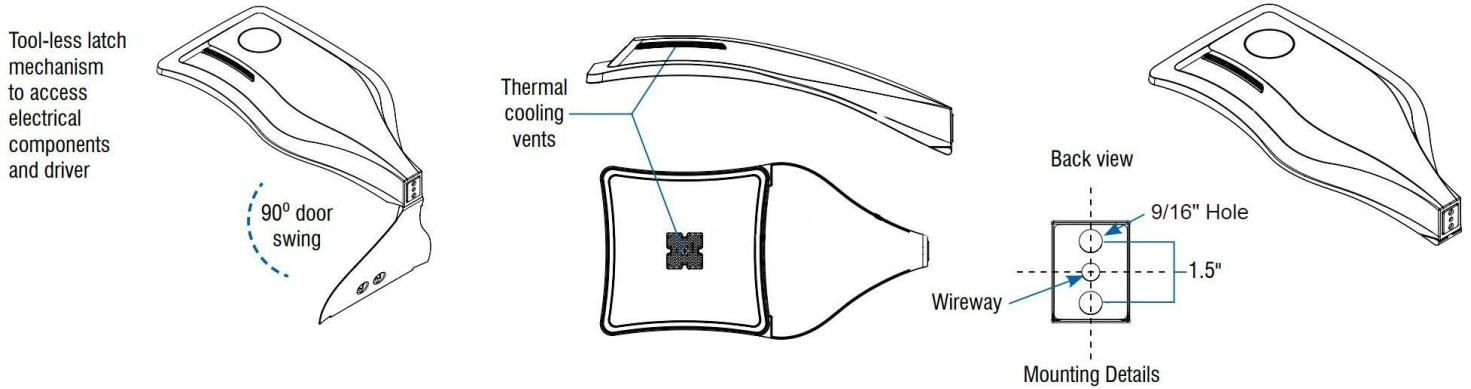
Tested with CA lens

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_-MDL014	9935	B2U0G2	111.6	9965	B2U0G2	112.0	9420	B2U0G2	105.8	9820	B3U0G1	110.3	89
24L30T_-MDL014	9475	B2U0G2	106.5	9500	B2U0G2	106.7	8980	B2U0G2	100.9	9365	B3U0G1	105.2	89
24L27T_-MDL014	8565	B2U0G2	96.2	8590	B2U0G2	96.5	8120	B2U0G2	91.2	8465	B3U0G1	95.1	89
16L40T_-MDL018	8460	B2U0G2	105.8	8525	B1U0G1	106.6	8130	B1U0G1	101.6	8395	B2U0G1	104.9	80
16L30T_-MDL018	8065	B2U0G2	100.8	8130	B1U0G1	101.6	7750	B1U0G1	96.9	8005	B2U0G1	100.1	80
16L27T_-MDL018	7295	B2U0G2	91.2	7350	B1U0G1	91.9	7010	B1U0G1	87.6	7235	B2U0G1	90.4	80
12L40T_-MDL018	6265	B1U0G1	102.7	6330	B1U0G1	103.8	6025	B1U0G1	98.8	6230	B2U0G2	102.1	61
12L30T_-MDL018	5975	B1U0G1	98.0	6035	B1U0G1	98.9	5745	B1U0G1	94.2	5940	B2U0G2	97.4	61
12L27T_-MDL018	5400	B1U0G1	88.5	5455	B1U0G1	89.4	5195	B1U0G1	85.2	5370	B2U0G2	88.0	61
12L40T_-MDL014	5140	B1U0G1	109.4	5195	B1U0G1	110.5	4980	B1U0G1	106.0	5110	B2U0G2	108.7	47
12L30T_-MDL014	4900	B1U0G1	104.3	4955	B1U0G1	105.4	4750	B1U0G1	101.1	4870	B2U0G2	103.6	47
12L27T_-MDL014	4430	B1U0G1	94.3	4480	B1U0G1	95.3	4295	B1U0G1	91.4	4405	B2U0G2	93.7	47
12L40T_-MDL008	3135	B1U0G1	116.1	3165	B1U0G1	117.2	3020	B1U0G1	111.9	3125	B1U0G1	115.7	27
12L30T_-MDL008	2990	B1U0G1	110.7	3020	B1U0G1	111.9	2880	B1U0G1	106.7	2980	B1U0G1	110.4	27
12L27T_-MDL008	2705	B1U0G1	100.2	2730	B1U0G1	101.1	2605	B1U0G1	96.5	2695	B1U0G1	99.8	27

Options



Other Features



How to order

Mounting Configuration	Fixture	LED	CCT - Color Temperature (K)	Distribution Type	Driver	Lens
1W Wall Mount	ML630 ML630	24L 24 LEDs	27 2,700K	T2 Type 2	MDL018 120V-277V, 180mA ⁽²⁾	CA Clear Acrylic SV1 Flat Soft Vue Light Diffused Acrylic SV2 Flat Soft Vue Moderate Diffused Acrylic
1A 1 Arm Mount		16L 16 LEDs	30 3,000K	T3 Type 3		
2A 2 Arm Mount @ 180°		12L 12 LEDs	35 3,500K	T4 Type 4	MDL014 120V-277V, 140mA ⁽³⁾	
2A90 2 Arm Mount @ 90°		40 4,000K	T5 Type 5	MDH014 347V-480V, 140mA ⁽³⁾		
3A 3 Arms @ 120° ⁽¹⁾		50 5,000K	MDL008 120V-277V, 80mA ⁽⁴⁾			
3A90 3 Arms @ 90°			MDH008 347V-480V, 80mA ⁽⁴⁾			
4A 4 Arms @ 90°						
1AM 1 Arm Mid-Mount						
2AM 2 Arm Mid-Mount @ 180						

Notes:

- 1. Only available with a round profile pole.
- 2. 16L or 12L system only.

- 3. 24L or 12L system only.
- 4. 12L system only.

How to order

Optional Pole Adapter	Optional Motion Sensor ⁽⁶⁾	Optional Fuse	Optional House Side Shield ⁽⁷⁾	Optional Fixed Dimming Resistor Board ⁽⁸⁾	Finish
RP34 For 3" to 4" diameter poles. ⁽⁵⁾ RP56 For 5" to 6" diameter poles. ⁽⁵⁾	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 ⁽⁹⁾ ⁽¹⁰⁾

Notes:

- 5. Required for round poles.
- 6. For use with MDLxx driver only.
- 7. Not for use with TS optic.

- 8. Not for use with Motion Sensor.
- 9. Smooth finishes are available upon request.
- 10. Custom colors require upcharge.