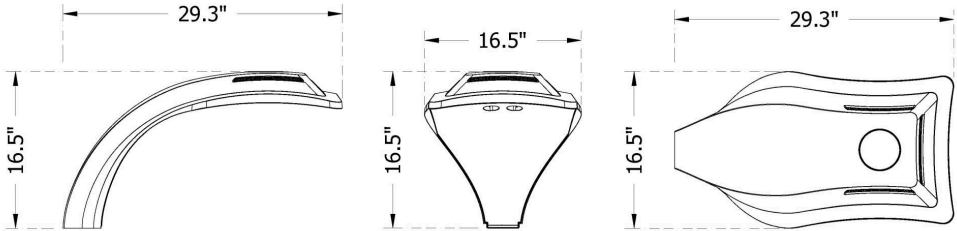


Project Name

Qty

Type

Catalog / Part Number



Certifications



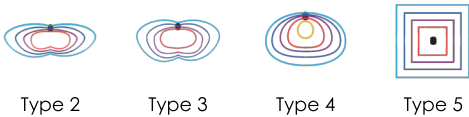
Finish



CCT - Color Temp (K)



Distribution Type



Description

The Millenia™ ML640 medium vertical tenon 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: 1.4 (ft²) | WEIGHT: 30 LBS

Features

Mounting Configuration	PT: Post Top
Fixture	ML640: Large Millenia Tenon Mount
Lens	CA: Clear Acrylic SV1: Flat SoftVue™ Light Diffused Acrylic SV2: Flat SoftVue™ Moderate Diffused Acrylic
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
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	24L: 24 LEDs
	16L: 16 LEDs
	12L: 12 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
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

How to Order

Mounting Configuration	Fixture	LED	CCT - Color Temp (K)	Distribution Type	Driver	Lens	Optional Fuse	Optional House Side Shield ⁽⁴⁾	Optional Fixed Dimming Resistor Board	Finish
PT Post Top	ML640 Large Millenia Tenon Mount	24L 24 LEDs	27 2,700K	T2 Type 2	MDL018 120V-277V, 180mA ⁽¹⁾	CA Clear Acrylic	FHD Double Fuse and Holder	HSS 120° House Side Shield	FDRB Fixed Dimming Resistor Board	UGMT Urban Gun Metal Textured
		16L 16 LEDs	30 3,000K	T3 Type 3	MDH018 347V-480V, 180mA ⁽¹⁾	SV1 Flat SoftVue™ Light Diffused Acrylic				UGM Urban Gun Metal Matte
		12L 12 LEDs	35 3,500K	T4 Type 4	MDL014 120V-277V, 140mA ⁽²⁾	SV2 Flat SoftVue™ Moderate Diffused Acrylic				UBT Urban Bronze Textured
			40 4,000K	T5 Type 5	MDH014 347V-480V, 140mA ⁽²⁾					UB Urban Bronze Matte
			50 5,000K		MDL008 120V-277V, 80mA ⁽³⁾					USLT Urban Silver Textured
					MDH008 347V-480V, 80mA ⁽³⁾					USL Urban Silver Matte
										UWHT Urban White Textured
										UWH Urban White Matte
										BKT Black Textured
										CM Custom Match ⁽⁵⁾

Notes:

1. 12L or 16L system only.
2. 12L or 24L system only.
3. 12L system only.
4. Not for use with T5 optic.
5. Custom colors require upcharge.

Specifications

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.
Lens	Optional glare reducing 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 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 for specific configurations.
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
Warranty	7-year limited warranty. See Website for Terms and Conditions.
LEDs	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.

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

Other Features

