

Project Name

Qty

Type

Catalog / Part Number



Certifications



Mounting Configuration



Wall  
Mount



Post Top



1 Arm  
Mount



1 Arm &  
Post Top



2 Arm  
Mount @  
180°



2 Arm  
Mount @  
90°



2Arm  
@180 &  
Post Top



3 Arms @  
120°



3 Arms @  
90°



3Arm  
@120 &  
Post Top



4 Arms @  
90°



4Arm @90  
& Post  
Top



1 Arm  
MidMount



2Arm  
MidMount  
@180

Description

The Millenia™ ML660 medium post top luminaire is a breakthrough in modern area lighting technology utilizing die-cast and permanent mold parts. 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: 1.3 (ft²) | WEIGHT: 35 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: 2Arm @180 & Post Top
- 3A: 3 Arms @ 120°
- 3A90: 3 Arms @ 90°
- 3APT: 3Arm @120 & Post Top
- 4A: 4 Arms @ 90°
- 4APT: 4Arm @90 & Post Top
- 1AM: 1 Arm MidMount
- 2AM: 2Arm MidMount @180

Fixture

ML660: Medium Millenia Post Top

Lens

- CA: Clear Acrylic
- SV1: Flat SoftVue™ Light Diffused Acrylic
- SV2: Flat SoftVue™ Moderate Diffused Acrylic

Optional Control Receptacle

R7: 7-Pin control receptacle only

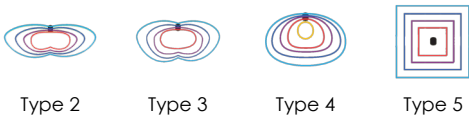
Finish



CCT - Color Temp (K)



Distribution Type



|                                       |                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Optional Control                      | <b>PE:</b> Twist-Lock Photocontrol (120V-277V)<br><b>PE4:</b> Twist-Lock Photocontrol (347V-480V)<br><b>SC:</b> Shorting Cap                                                                                                                                                                                                                            |
| Optional Fuse                         | <b>FHD:</b> Double Fuse and Holder                                                                                                                                                                                                                                                                                                                      |
| Optional House Side Shield            | <b>BLOC:</b> Back Light Optical Control                                                                                                                                                                                                                                                                                                                 |
| Optional Fixed Dimming Resistor Board | <b>FDRB:</b> Fixed Dimming Resistor Board                                                                                                                                                                                                                                                                                                               |
| Finish                                | <b>UGMT:</b> Urban Gun Metal Textured<br><b>UGM:</b> Urban Gun Metal Matte<br><b>UBT:</b> Urban Bronze Textured<br><b>UB:</b> Urban Bronze Matte<br><b>USLT:</b> Urban Silver Textured<br><b>USL:</b> Urban Silver Matte<br><b>UWHT:</b> Urban White Textured<br><b>UWH:</b> Urban White Matte<br><b>BKT:</b> Black Textured<br><b>CM:</b> Custom Match |
| LED                                   | <b>24L:</b> 24 LEDs<br><b>16L:</b> 16 LEDs<br><b>12L:</b> 12 LEDs                                                                                                                                                                                                                                                                                       |
| CCT - Color Temp (K)                  | <b>27:</b> 2,700K<br><b>30:</b> 3,000K<br><b>35:</b> 3,500K<br><b>40:</b> 4,000K<br><b>50:</b> 5,000K                                                                                                                                                                                                                                                   |
| Distribution Type                     | <b>T2:</b> Type 2<br><b>T3:</b> Type 3<br><b>T4:</b> Type 4<br><b>T5:</b> Type 5                                                                                                                                                                                                                                                                        |
| Driver                                | <b>MDL018:</b> 120V-277V, 180mA<br><b>MDH018:</b> 347V-480V, 180mA<br><b>MDL014:</b> 120V-277V, 140mA<br><b>MDH014:</b> 347V-480V, 140mA<br><b>MDL008:</b> 120V-277V, 80mA<br><b>MDH008:</b> 347V-480V, 80mA                                                                                                                                            |

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.

[illegible]

| Mounting Configuration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Fixture                                                                                    | LED                                                                                                               | CCT - Color Temp (K)                                                                                            | Distribution Type                                                                        | Driver                                                                                                                                                                                                                                                                                                         | Lens                                                                                                            | Optional Control Receptacle <sup>(5)</sup><br><sup>(6)</sup>                                                                                                                                                                  | Optional Control                     | Optional Fuse                             | Optional House Side Shield <sup>(8)</sup>   | Optional Fixed Dimming Resistor Board                                                                                                                                                                                                                                                                                                                                                      | Finish |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <b>1W</b><br>Wall Mount<br><b>PT</b><br>Post Top<br><b>1A</b><br>1 Arm Mount<br><b>1APT</b><br>1 Arm & Post Top<br><b>2A</b><br>2 Arm Mount @ 180°<br><b>2A90</b><br>2 Arm Mount @ 90°<br><b>2APT</b><br>2Arm @180 & Post Top<br><b>3A</b><br>3 Arms @ 120° <sup>(1)</sup><br><b>3A90</b><br>3 Arms @ 90°<br><b>3APT</b><br>3Arm @120 & Post Top <sup>(1)</sup><br><b>4A</b><br>4 Arms @ 90°<br><b>4APT</b><br>4Arm @90 & Post Top<br><b>1AM</b><br>1Arm MidMount<br><b>2AM</b><br>2Arm MidMount @180 | <b>ML660</b><br>Medium Millenia Post Top<br><b>16L</b><br>16 LEDs<br><b>12L</b><br>12 LEDs | <b>24L</b><br>24 LEDs<br><b>30</b><br>3,000K<br><b>35</b><br>3,500K<br><b>40</b><br>4,000K<br><b>50</b><br>5,000K | <b>27</b><br>2,700K<br><b>30</b><br>3,000K<br><b>35</b><br>3,500K<br><b>40</b><br>4,000K<br><b>50</b><br>5,000K | <b>T2</b><br>Type 2<br><b>T3</b><br>Type 3<br><b>T4</b><br>Type 4<br><b>T5</b><br>Type 5 | <b>MDL018</b><br>120V-277V,180mA <sup>(2)</sup><br><b>MDH018</b><br>347V-480V,180mA <sup>(2)</sup><br><b>MDL014</b><br>120V-277V,140mA <sup>(3)</sup><br><b>MDH014</b><br>347V-480V,140mA <sup>(3)</sup><br><b>MDL008</b><br>120V-277V, 80mA <sup>(4)</sup><br><b>MDH008</b><br>347V-480V, 80mA <sup>(4)</sup> | <b>CA</b><br>Clear Acrylic<br><b>SV1</b><br>SoftVue™ Light Diffused<br><b>SV2</b><br>SoftVue™ Moderate Diffused | <b>R7</b><br>7-Pin control receptacle only<br><b>PE</b><br>Twist-Lock Photocontrol (120V-277V) <sup>(7)</sup><br><b>PE4</b><br>Twist-Lock Photocontrol (347V-480V) <sup>(7)</sup><br><b>SC</b><br>Shorting Cap <sup>(7)</sup> | <b>FHD</b><br>Double Fuse and Holder | <b>BLOC</b><br>Back Light Optical Control | <b>FDRB</b><br>Fixed Dimming Resistor Board | <b>UGMT</b><br>Urban Gun Metal Textured<br><b>UGM</b><br>Urban Gun Metal Matte<br><b>UBT</b><br>Urban Bronze Textured<br><b>UB</b><br>Urban Bronze Matte<br><b>USLT</b><br>Urban Silver Textured<br><b>USL</b><br>Urban Silver Matte<br><b>UWHT</b><br>Urban White Textured<br><b>UWH</b><br>Urban White Matte<br><b>BKT</b><br>Black Textured<br><b>CM</b><br>Custom Match <sup>(9)</sup> |        |

### Notes:

1. Only available with a round profile pole.
2. 12L or 16L system only.
3. 12L or 24L system only.
4. 12L system only.
5. Not for use with FDR8.
6. See specifications section for more info on compatibility with wireless controllers.
7. Requires control receptacle.
8. Not for use with T5 optic.
9. Custom colors require upcharge.

Specifications

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Housing                   | The housing is constructed utilizing precision cast aluminum parts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Serviceability            | Tool-less access to the driver compartment for ease of installation and maintenance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Hardware                  | Includes Stainless steel hardware. Most finishes will include hardware with a Black Oxide conversion coating. Light finishes will get non-color coated hardware ( <b>Whites and Silvers</b> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 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.<br>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 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.<br>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.<br>Available finishes include: <b>Black Textured, Urban Gun Metal, Urban Bronze, Urban Silver and Urban White</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Custom Finish             | Custom finishes are offered to adapt to any application.<br><b>Custom Match</b> 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. 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.</p> <p><b>CCT Lumen Derate Values from 4,000K (70+ CRI)</b></p> <p>2,700K (70+ CRI)=.85<br/>3,000K (70+ CRI)=.92<br/>3,500K (70+ CRI)=1.00<br/>5,000K (70+ CRI)=1.00</p> <p><b>Consult factory for custom correlated color temperature (CCT) or color rendering index (CRI).</b></p> |
| Backlight Optical Control | <b>BLOC Optic (BLOC):</b> 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.                                                                                                                                                     |
| 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                       | <b>Twist-Lock Style (Body Mount):</b> 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.<br><b>Cover not for use with a wireless controller.</b> |

Lumen Chart(s)

Tested with CA lens

| Model #          | T2<br>DELIVERED<br>LUMENS | BUG    | EFFICACY<br>(LPW) | T3<br>DELIVERED<br>LUMENS | BUG    | EFFICACY<br>(LPW) | T4<br>DELIVERED<br>LUMENS | BUG    | EFFICACY<br>(LPW) | T5<br>DELIVERED<br>LUMENS | BUG    | EFFICACY<br>(LPW) | WATTAGE |
|------------------|---------------------------|--------|-------------------|---------------------------|--------|-------------------|---------------------------|--------|-------------------|---------------------------|--------|-------------------|---------|
| 24L-40-T_-MDL014 | 8850                      | B2U0G2 | 100.6             | 8125                      | B2U0G2 | 92.3              | 8370                      | B2U0G2 | 95.1              | 8900                      | B3U0G2 | 101.1             | 88      |
| 24L-30-T_-MDL014 | 8170                      | B2U0G2 | 92.8              | 7500                      | B2U0G2 | 85.2              | 7725                      | B2U0G2 | 87.8              | 8215                      | B3U0G2 | 93.4              | 88      |
| 24L-27-T_-MDL014 | 7490                      | B2U0G2 | 85.1              | 6875                      | B2U0G2 | 78.1              | 7080                      | B2U0G2 | 80.5              | 7530                      | B3U0G2 | 85.6              | 88      |
| 16L-40-T_-MDL018 | 7320                      | B2U0G2 | 93.8              | 6665                      | B2U0G2 | 85.4              | 6855                      | B1U0G1 | 87.9              | 7330                      | B3U0G1 | 94.0              | 78      |
| 16L-30-T_-MDL018 | 6755                      | B2U0G2 | 86.6              | 6150                      | B2U0G2 | 78.8              | 6330                      | B1U0G1 | 81.2              | 6765                      | B3U0G1 | 86.7              | 78      |
| 16L-27-T_-MDL018 | 6195                      | B2U0G2 | 79.4              | 5640                      | B2U0G2 | 72.3              | 5800                      | B1U0G1 | 74.4              | 6200                      | B3U0G1 | 79.5              | 78      |
| 12L-40-T_-MDL018 | 5515                      | B1U0G1 | 91.9              | 5095                      | B1U0G1 | 84.9              | 5295                      | B1U0G1 | 88.3              | 5575                      | B2U0G1 | 92.9              | 60      |
| 12L-30-T_-MDL018 | 5090                      | B1U0G1 | 84.8              | 4705                      | B1U0G1 | 78.4              | 4890                      | B1U0G1 | 81.5              | 5145                      | B2U0G1 | 85.8              | 60      |
| 12L-27-T_-MDL018 | 4665                      | B1U0G1 | 77.8              | 4310                      | B1U0G1 | 71.8              | 4480                      | B1U0G1 | 74.7              | 4715                      | B2U0G1 | 78.6              | 60      |
| 12L-40-T_-MDL014 | 4535                      | B1U0G1 | 98.6              | 4185                      | B1U0G1 | 91.0              | 4355                      | B1U0G1 | 94.7              | 4580                      | B2U0G1 | 99.6              | 46      |
| 12L-30-T_-MDL014 | 4185                      | B1U0G1 | 91.0              | 3865                      | B1U0G1 | 84.0              | 4020                      | B1U0G1 | 87.4              | 4230                      | B2U0G1 | 92.0              | 46      |
| 12L-27-T_-MDL014 | 3835                      | B1U0G1 | 83.4              | 3540                      | B1U0G1 | 77.0              | 3685                      | B1U0G1 | 80.1              | 3875                      | B2U0G1 | 84.2              | 46      |
| 12L-40-T_-MDL008 | 2750                      | B1U0G1 | 101.9             | 2545                      | B1U0G1 | 94.3              | 2645                      | B1U0G1 | 98.0              | 2780                      | B1U0G1 | 103.0             | 27      |
| 12L-30-T_-MDL008 | 2540                      | B1U0G1 | 94.1              | 2350                      | B1U0G1 | 87.0              | 2440                      | B1U0G1 | 90.4              | 2565                      | B1U0G1 | 95.0              | 27      |
| 12L-27-T_-MDL008 | 2325                      | B1U0G1 | 86.1              | 2155                      | B1U0G1 | 79.8              | 2240                      | B1U0G1 | 83.0              | 2350                      | B1U0G1 | 87.0              | 27      |

Other Features



Perforated vent to support passive cooling with AAD™ system  
"Advanced Air-flow Dynamics"



7-Pin NEMA Twist-Lock Receptacle with light shield and  
Photocell