



Lumec's **Serenade DSX** LED post top luminaires are a beautiful staple of elegance and subtlety with a mighty and brilliant heart. It can be used to accentuate any environment no matter how harsh the prevailing conditions might be. The Serenade is a straightforward, no-nonsense luminaire, designed for performance and reliability.

Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Lamps: _____ Qty: _____
 Notes: _____

Ordering guide: Luminaire

Example: S56-72W32LED4K-T-ACDR-LE3-120-DMG-SFX-RC-BKTX

| Series | LED module | Lamp type | Globe material | Optical system | Voltage | Driver options | Adaptors |
|------------------------|--------------|--------------|--------------------------------------|--|--|---|---|
| S56 | | T | | | | | |
| S56 Serenade DSX | 4000K | 3000K | ACDR Acrylic globe GL Glass globe | LE2 Type II (ASYM) LE3 Type III (ASYM) LE3W Type III (ASYM) wide LE4 Type IV (ASYM) LE5 ¹ Type V (SYMM) | 120 120V 208 208V 240 240V 277 277V 347 347V 480 480V | AST ² Pre-set, progressive start-up CLO ² Pre-set, manage lumen depreciation DALI ² Pre-set, compatible with the DALI control system OTL ² Pre-set to signal end of life of the lamp DMG 0-10V CDMGP ² Dimming level set by user CDMGE25 ² 8 hrs. 25% reduction CDMGE50 ² 8 hrs. 50% reduction CDMGE75 ² 8 hrs. 75% reduction CDMGM25 ² 6 hrs. 25% reduction CDMGM50 ² 6 hrs. 50% reduction CDMGM75 ² 6 hrs. 75% reduction CDMGS25 ² 4 hrs. 25% reduction CDMGS50 ² 4 hrs. 50% reduction CDMGS75 ² 4 hrs. 75% reduction | SFOK Oak leaf fitter SFX Standard fitter |
| | 35W32LED4K | 35W32LED3K | | | | | |
| | 55W32LED4K | 55W32LED3K | | | | | |
| | 55W48LED4K | 55W48LED3K | | | | | |
| | 72W32LED4K | 72W32LED3K | | | | | |
| | 80W48LED4K | 80W48LED3K | | | | | |
| | 108W48LED4K | 108W48LED3K | | | | | |

Ordering guide (continued)

| Luminaire options | Poles & Brackets | Finish |
|--|---|---|
| BC Block connector FN1 Decorative finial FN2 Decorative finial FN3 Decorative finial FN4 Decorative finial FN6 Decorative finial FN8 Decorative finial FN9 Decorative finial FN10 Decorative finial FN11 Decorative finial FNC Finial painted copper HS House Side Shield | Consult signify.com/outdoorluminaires for details and the complete line of Signify poles and brackets. | BE2TX Textured midnight blue BE6TX Textured ocean blue BE8TX Textured royal blue BG2TX Textured Sandstone BKTX Textured black BRTX Textured bronze GN4TX Textured blue green GN6TX Textured forest green GN8TX Textured Dk forest green GNTX Textured green GR Gray sandtex GY3TX Textured medium grey NP Natural aluminum RD2TX Textured burgundy RD4TX Textured scarlet TG Hammertone gold WHTX Textured white |
| OVR Override function PH8 Photoelectric cell PH9 Shorting Cap PHXL Photoelectric cell, extended life RC³ Receptacle 3 pins SP2 Surge protector TN2.875C 2.7/8" dia. Tenon adaptor TN3 3" dia. Tenon adaptor TN3.5 3 1/2" dia. Tenon adaptor | | |

Footnotes

- Not available with HS option.
 - Not available 347-480 volt.
 - Use of photoelectric cell or shorting cap is required to ensure proper illumination.
- Note:** If 5 or 7 pin receptacle is required contact factory.



S56 – S56C1-C2 Serenade DSX LED

Urban Luminaire

Ordering guide: Luminaire

Example: S56C1-72W32LED4K-T-ACDR-LE3-120-DMG-SFX-RC-BKTX

| Series | LED module | | Lamp type | Globe material | Optical system | Voltage | Driver options | Adaptors |
|--------------------------|-------------|-------------|-----------|--------------------|--------------------------------|----------|--|---|
| | 4000K | 3000K | T | | | | | |
| S56C1 Serenade DSX | 35W32LED4K | 35W32LED3K | T | ACDR Acrylic globe | LE2 Type II (ASYM) | 120 120V | AST ² Pre-set, progressive start-up | SFOK Oak leaf fitter SFX Standard fitter |
| | 55W32LED4K | 55W32LED3K | | GL Glass globe | LE3 Type III (ASYM) | 208 208V | CLO ² Pre-set, manage lumen depreciation | |
| S56C2 Serenade DSX | 55W48LED4K | 55W48LED3K | T | GL Glass globe | LE3W Type III (ASYM) wide | 240 240V | DALI ² Pre-set, compatible with the DALI control system | |
| | 72W32LED4K | 72W32LED3K | | | LE4 Type IV (ASYM) | 277 277V | OTL ² Pre-set to signal end of life of the lamp | |
| | 80W48LED4K | 80W48LED3K | | | LE5 ¹ Type V (SYMM) | 347 347V | DMG 0-10V | |
| | 108W48LED4K | 108W48LED3K | | | | 480 480V | CDMGP ² Dimming level set by user | |

Ordering guide (continued)

| Luminaire options | | | Poles & Brackets | Finish | |
|-------------------|--|-----------------|---|------------------|--------------------------|
| BC | Block connector | FN11 | Consult signify.com/outdoorluminaires for details and the complete line of Signify poles and brackets. | BE2TX | Textured midnight blue |
| BS | Brass decorative band | FNC | | BE6TX | Textured ocean blue |
| BSC | Brass decorative band with clear coat | HS | | BE8TX | Textured royal blue |
| CU | Copper decorative band | OVR | | BG2TX | Textured Sandstone |
| CUC | Copper decorative band with clear coat | PH8 | | BKTX | Textured black |
| FN1 | Decorative finial | PH9 | | BRTX | Textured bronze |
| FN2 | Decorative finial | PHXL | | GN4TX | Textured blue green |
| FN3 | Decorative finial | RC ³ | | GN6TX | Textured forest green |
| FN4 | Decorative finial | SP2 | | GN8TX | Textured Dk forest green |
| FN6 | Decorative finial | TN2.875C | | GNTX | Textured green |
| FN8 | Decorative finial | TN3 | | GR | Gray sandtex |
| FN9 | Decorative finial | TN3.5 | | GY3TX | Textured medium grey |
| FN10 | Decorative finial | | | NP | Natural aluminum |
| | | | | RD2TX | Textured burgundy |
| | | | RD4TX | Textured scarlet | |
| | | | TG | Hammertone gold | |
| | | | WHTX | Textured white | |

Footnotes

1. Not available with HS option.
 2. Not available 347-480 volt.
 3. Use of photoelectric cell or shorting cap is required to ensure proper illumination.
- Note:** If 5 or 7 pin receptacle is required contact factory.

Ordering guide: Motion Response

Example: ACC-120-MR4PGI-BKTX

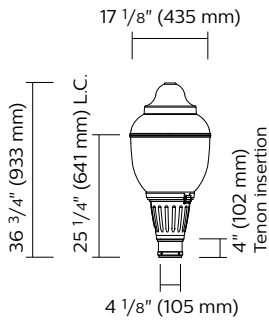
| Accessory | Voltage | Module | Finish |
|-----------|----------------------|--|----------------------------------|
| ACC | | | |
| | 120 120V 277 277V | MR4PG1 Single grey MR4PG2 Double grey MR4PW1 Single white MR4PW2 Double white | (Consult Signify representative) |

*OVR option is required for Motion Response Accessory

S56 - S56C1-C2 Serenade DSX LED

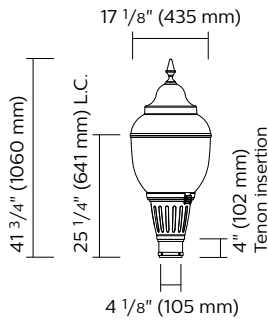
Urban Luminaire

Dimensions



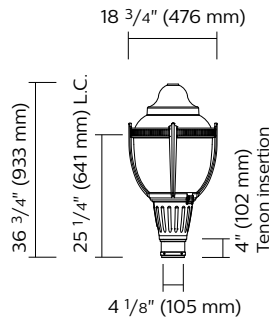
S56-SFX

EPA: 2.02 sq. ft
Weight: 67 lbs (30.39 kg)



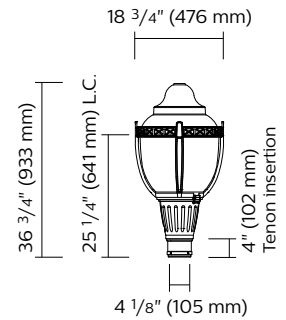
S56-SFX-FN10

EPA: 2.02 sq. ft
Weight: 67 lbs (30.39 kg)



S56C1-SFX-BSC

EPA: 2.37 sq. ft
Weight: 67 lbs (30.39 kg)



S56C2-SFX

EPA: 2.34 sq. ft
Weight: 71 lbs (32.31 kg)

Predicted Lumen Depreciation Data

Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions. L₇₀ is the predicted time when LED performance depreciates to 70% of initial lumen output. Calculated per IESNA TM21-11. Published L₇₀ hours limited to 6 times actual LED test hours.

| Ambient Temperature °C | Driver mA | Calculated L ₇₀ Hours | L ₇₀ per TM-21 | Lumen Maintenance % at 60,000 hrs |
|------------------------|-----------|----------------------------------|---------------------------|-----------------------------------|
| 35°C | 700 mA | >100,000 hours | >60,000 hours | >85% |

LED Wattage and Lumen Values: Serenade S56

4000K

| Ordering Code | Total LEDs | LED Current (mA) | Average System Watts ¹ | Color Temp. | Type LE2 | | | Type LE3 | | | Type LE3W | | | Type LE4 | | | Type LE5 | | |
|-------------------|------------|------------------|-----------------------------------|-------------|-------------------------------|----------------|------------|-------------------------------|----------------|------------|-------------------------------|----------------|------------|-------------------------------|----------------|------------|-------------------------------|----------------|------------|
| | | | | | Delivered Lumens ² | Efficacy (LPW) | BUG Rating | Delivered Lumens ² | Efficacy (LPW) | BUG Rating | Delivered Lumens ² | Efficacy (LPW) | BUG Rating | Delivered Lumens ² | Efficacy (LPW) | BUG Rating | Delivered Lumens ² | Efficacy (LPW) | BUG Rating |
| S56-35W32LED4K-T | 32 | 350 | 37 | 4000K | 3,498 | 95 | B1-U3-G1 | 3,551 | 96 | B1-U3-G1 | 3,746 | 102 | B1-U3-G1 | 3,649 | 99 | B1-U3-G1 | 4,028 | 109 | B3-U3-G1 |
| S56-55W32LED4K-T | 32 | 530 | 55 | 4000K | 4,974 | 91 | B2-U3-G2 | 5,050 | 92 | B1-U3-G1 | 5,327 | 98 | B2-U3-G2 | 5,189 | 95 | B1-U3-G2 | 5,729 | 105 | B3-U3-G2 |
| S56-72W32LED4K-T | 32 | 700 | 71 | 4000K | 6,220 | 87 | B2-U3-G2 | 6,315 | 89 | B2-U3-G2 | 6,661 | 93 | B2-U3-G2 | 6,488 | 91 | B1-U3-G2 | 7,163 | 100 | B3-U3-G2 |
| S56-55W48LED4K-T | 48 | 350 | 53 | 4000K | 5,196 | 97 | B2-U3-G2 | 5,409 | 101 | B1-U3-G2 | 5,519 | 104 | B2-U3-G2 | 5,524 | 104 | B1-U3-G2 | 6,092 | 114 | B3-U3-G2 |
| S56-80W48LED4K-T | 48 | 530 | 80 | 4000K | 7,402 | 93 | B2-U3-G2 | 7,706 | 97 | B2-U3-G2 | 7,863 | 99 | B2-U3-G2 | 7,870 | 99 | B2-U3-G2 | 8,678 | 109 | B4-U3-G2 |
| S56-108W48LED4K-T | 48 | 700 | 104 | 4000K | 9,284 | 89 | B2-U3-G2 | 9,667 | 93 | B2-U3-G2 | 9,862 | 94 | B2-U3-G2 | 9,871 | 95 | B2-U3-G2 | 10,885 | 104 | B4-U3-G2 |

1. System input wattage may vary based on input voltage, by up to +/- 10%, and based on manufacturer forward voltage, by up to +/- 8%.

2. Lumen values based on photometric tests performed in compliance with IESNA LM-79.

Note: Some data may be scaled based on tests of similar, but not identical, luminaires.

S56 – S56C1–C2 Serenade DSX LED

Urban Luminaire

LED Wattage and Lumen Values: Serenade S56 (continued)

3000K

| Ordering Code | Total LEDs | LED Current (mA) | Average System Watts ¹ | Color Temp. | Type LE2 | | | Type LE3 | | | Type LE3W | | | Type LE4 | | | Type LE5 | | |
|-------------------|------------|------------------|-----------------------------------|-------------|-------------------------------|----------------|------------|-------------------------------|----------------|------------|-------------------------------|----------------|------------|-------------------------------|----------------|------------|-------------------------------|----------------|------------|
| | | | | | Delivered Lumens ² | Efficacy (LPW) | BUG Rating | Delivered Lumens ² | Efficacy (LPW) | BUG Rating | Delivered Lumens ² | Efficacy (LPW) | BUG Rating | Delivered Lumens ² | Efficacy (LPW) | BUG Rating | Delivered Lumens ² | Efficacy (LPW) | BUG Rating |
| S56-35W32LED3K-T | 32 | 350 | 37 | 3000K | 3,132 | 85 | B1-U3-G1 | 3,180 | 86 | B1-U3-G1 | 3,354 | 91 | B1-U3-G1 | 3,267 | 89 | B1-U3-G1 | 3,607 | 98 | B3-U3-G1 |
| S56-55W32LED3K-T | 32 | 530 | 55 | 3000K | 4,454 | 82 | B1-U3-G1 | 4,522 | 83 | B1-U3-G1 | 4,769 | 87 | B1-U3-G2 | 4,646 | 85 | B1-U3-G2 | 5,130 | 94 | B3-U3-G1 |
| S56-72W32LED3K-T | 32 | 700 | 71 | 3000K | 5,569 | 78 | B2-U3-G2 | 5,654 | 79 | B2-U3-G2 | 5,964 | 84 | B2-U3-G2 | 5,809 | 81 | B1-U3-G2 | 6,414 | 90 | B3-U3-G2 |
| S56-55W48LED3K-T | 48 | 350 | 53 | 3000K | 4,652 | 87 | B1-U3-G1 | 4,843 | 91 | B1-U3-G1 | 4,942 | 93 | B1-U3-G2 | 4,946 | 93 | B1-U3-G2 | 5,454 | 102 | B3-U3-G1 |
| S56-80W48LED3K-T | 48 | 530 | 80 | 3000K | 6,628 | 83 | B2-U3-G2 | 6,900 | 87 | B2-U3-G2 | 7,040 | 89 | B2-U3-G2 | 7,046 | 89 | B1-U3-G2 | 7,770 | 98 | B3-U3-G2 |
| S56-108W48LED3K-T | 48 | 700 | 104 | 3000K | 8,313 | 80 | B2-U3-G2 | 8,654 | 83 | B2-U3-G2 | 8,830 | 85 | B2-U3-G2 | 8,838 | 85 | B2-U3-G2 | 9,746 | 93 | B4-U3-G2 |

LED Wattage and Lumen Values: Serenade S56C1–C2

4000K with cage

| Ordering Code | Total LEDs | LED Current (mA) | Average System Watts ¹ | Color Temp. | Type LE2 | | | Type LE3 | | | Type LE3W | | | Type LE4 | | | Type LE5 | | |
|---------------------|------------|------------------|-----------------------------------|-------------|-------------------------------|----------------|------------|-------------------------------|----------------|------------|-------------------------------|----------------|------------|-------------------------------|----------------|------------|-------------------------------|----------------|------------|
| | | | | | Delivered Lumens ² | Efficacy (LPW) | BUG Rating | Delivered Lumens ² | Efficacy (LPW) | BUG Rating | Delivered Lumens ² | Efficacy (LPW) | BUG Rating | Delivered Lumens ² | Efficacy (LPW) | BUG Rating | Delivered Lumens ² | Efficacy (LPW) | BUG Rating |
| S56Cx-35W32LED4K-T | 32 | 350 | 37 | 4000K | 3,188 | 86 | B1-U3-G1 | 3,184 | 86 | B1-U3-G1 | 3,401 | 92 | B1-U3-G1 | 3,294 | 89 | B1-U3-G1 | 3,593 | 97 | B3-U3-G1 |
| S56Cx-55W32LED4K-T | 32 | 530 | 55 | 4000K | 4,533 | 83 | B2-U3-G2 | 4,559 | 83 | B1-U3-G1 | 4,837 | 89 | B1-U3-G2 | 4,684 | 86 | B1-U3-G2 | 5,109 | 94 | B3-U3-G1 |
| S56Cx-72W32LED4K-T | 32 | 700 | 71 | 4000K | 5,668 | 79 | B2-U3-G2 | 5,691 | 80 | B2-U3-G2 | 6,048 | 85 | B2-U3-G2 | 5,857 | 82 | B1-U3-G2 | 6,388 | 90 | B3-U3-G2 |
| S56Cx-55W48LED4K-T | 48 | 350 | 53 | 4000K | 4,742 | 89 | B1-U3-G1 | 4,878 | 92 | B1-U3-G1 | 5,116 | 96 | B1-U3-G2 | 5,000 | 94 | B1-U3-G2 | 5,438 | 102 | B3-U3-G1 |
| S56Cx-80W48LED4K-T | 48 | 530 | 80 | 4000K | 6,756 | 85 | B2-U3-G2 | 6,933 | 87 | B2-U3-G2 | 7,288 | 92 | B2-U3-G2 | 7,123 | 90 | B1-U3-G2 | 7,747 | 97 | B3-U3-G2 |
| S56Cx-108W48LED4K-T | 48 | 700 | 104 | 4000K | 8,474 | 81 | B2-U3-G2 | 8,689 | 83 | B2-U3-G2 | 9,141 | 88 | B2-U3-G2 | 8,934 | 86 | B2-U3-G2 | 9,717 | 93 | B4-U3-G2 |

3000K with cage

| Ordering Code | Total LEDs | LED Current (mA) | Average System Watts ¹ | Color Temp. | Type LE2 | | | Type LE3 | | | Type LE3W | | | Type LE4 | | | Type LE5 | | |
|---------------------|------------|------------------|-----------------------------------|-------------|-------------------------------|----------------|------------|-------------------------------|----------------|------------|-------------------------------|----------------|------------|-------------------------------|----------------|------------|-------------------------------|----------------|------------|
| | | | | | Delivered Lumens ² | Efficacy (LPW) | BUG Rating | Delivered Lumens ² | Efficacy (LPW) | BUG Rating | Delivered Lumens ² | Efficacy (LPW) | BUG Rating | Delivered Lumens ² | Efficacy (LPW) | BUG Rating | Delivered Lumens ² | Efficacy (LPW) | BUG Rating |
| S56Cx-35W32LED3K-T | 32 | 350 | 37 | 3000K | 2,854 | 77 | B1-U3-G1 | 2,851 | 77 | B1-U3-G1 | 3,046 | 83 | B1-U3-G1 | 2,949 | 80 | B1-U3-G1 | 3,217 | 87 | B3-U3-G1 |
| S56Cx-55W32LED3K-T | 32 | 530 | 55 | 3000K | 4,059 | 74 | B1-U3-G1 | 4,082 | 75 | B1-U3-G1 | 4,331 | 79 | B1-U3-G2 | 4,194 | 77 | B1-U3-G1 | 4,575 | 84 | B3-U3-G1 |
| S56Cx-72W32LED3K-T | 32 | 700 | 71 | 3000K | 5,075 | 71 | B2-U3-G2 | 5,096 | 71 | B2-U3-G2 | 5,416 | 76 | B2-U3-G2 | 5,245 | 74 | B1-U3-G2 | 5,720 | 80 | B3-U3-G2 |
| S56Cx-55W48LED3K-T | 48 | 350 | 53 | 3000K | 4,246 | 80 | B1-U3-G1 | 4,367 | 82 | B1-U3-G1 | 4,581 | 86 | B1-U3-G2 | 4,477 | 84 | B1-U3-G2 | 4,869 | 91 | B3-U3-G1 |
| S56Cx-80W48LED3K-T | 48 | 530 | 80 | 3000K | 6,050 | 76 | B2-U3-G2 | 6,208 | 78 | B2-U3-G2 | 6,526 | 82 | B2-U3-G2 | 6,377 | 80 | B1-U3-G2 | 6,937 | 87 | B3-U3-G2 |
| S56Cx-108W48LED3K-T | 48 | 700 | 104 | 3000K | 7,588 | 73 | B2-U3-G2 | 7,781 | 75 | B2-U3-G2 | 8,185 | 78 | B2-U3-G2 | 7,999 | 77 | B2-U3-G2 | 8,701 | 83 | B4-U3-G2 |

1. System input wattage may vary based on input voltage, by up to +/- 10%, and based on manufacturer forward voltage, by up to +/- 8%.

2. Lumen values based on photometric tests performed in compliance with IESNA LM-79.

Note: Some data may be scaled based on tests of similar, but not identical, luminaires.

S56 – S56C1-C2 Serenade DSX LED

Urban Luminaire

Specifications:

Housing

Finial: Decorative cast 356 aluminum, mechanically assembled.

Hood: Spun aluminum 1100 0 dome, permanently assembled to the globe.

Guard (S56C1/C2 only): In a round shape, this guard is made of four cast aluminum 356 decorative arms and one decorative ring. The guard is welded to the fitter.

Fitter: Cast aluminum A360.1 c/w 4 set screws 3/8-16 UNC. Fits on a 4"(102mm) outside diameter by 4"(102mm) long tenon.

Access-mechanism

A cast A360.1 aluminum technical ring with latch and hinge. The mechanism shall offer tool free access to the inside of the luminaire. An embedded memory retentive gasket shall ensure weatherproofness.

Light engine

LEDgine composed of 5 main components:

Heat Sink / Globe / LED lamp / Driver / Optical System

Electrical components are RoHS compliant.

LED engine

LED type: Lumileds LUXEON T. Composed of high-performance white LEDs. Color temperature as per ANSI/NEMA bin Neutral White, 4000 Kelvin nominal (3985K +/- 275K or 3710K to 4260K) or Warm white, 3000 Kelvin nominal (3045K +/- 175K or 2870K to 3220K), CRI 70 Min. 75 Typical.

Globe

One-piece, seamless, injection-molded impact-resistant (DR) acrylic or Glass globe having an inner prismatic surface with semi-prismatic house side shield and glare softening prisms on the street side. The smooth external finish offers self-cleaning properties. The globe is permanently sealed onto the access-mechanism.

Heat sink

Made of cast aluminum optimising the LEDs efficiency and life. Product does not use any cooling device with moving parts (only passive cooling device).

Driver

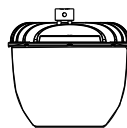
Driver comes standard with dimming compatible 0-10V. High power factor of 95%. Electronic driver, operating range 50/60 Hz. Auto adjusting universal voltage input from 120 to 277 VAC rated for both application line to line or line to neutral, Class I, THD of 20% max. Maximum ambient operating temperature from 40F(40C) to 130F(55C) degrees. Certified in compliance to UL1310 cULus requirement. Dry and damp location. Assembled on a unitized removable tray with Tyco quick disconnect plug resisting to 221F(105C) degrees. The current supplying the LEDs will be reduced by the driver if the driver experiences internal overheating as a protection to the LEDs and the electrical components. Output is protected from short circuits, voltage overload and current overload. Automatic recovery after correction. Standard built in driver surge protection of 2.5kV (min).

Optical system

Composed of high performance optical grade PMMA acrylic refractor lenses to achieve desired distribution optimized to get maximum spacing, target lumens and a superior lighting uniformity. Optical system is rated IP66. Performance shall be tested per LM 63, LM 79 and TM 15 (IESNA) certifying its photometric performance. Street side indicated.

Prismatic globe:

IP66 rated optical system, composed of individual pre-oriented lens to achieve desired distribution, assembled with globe having an inner prismatic surface permanently sealed onto the lower part of the heat sink.



- LE2 - Type II (ASYM)
- LE3 - Type III (ASYM)
- LE3W - Type III (ASYM) Wide
- LE4 - Type IV (ASYM)
- LE5 - Type V (SYMM)

Driver options

AST: Pre-set driver for progressive start-up of the LED module(s) to optimize energy management and enhance visual comfort at start-up.

CLO: Pre-set driver to manage the lumen depreciation by adjusting the power given to the LEDs offering the same lighting intensity during the entire lifespan of the LED module.

DALI: Pre-set driver compatible with the DALI control system.

OTL: Pre-set driver to signal end of life of the LED module(s) for better fixture management.

DMG: Dimmable driver 0-10V.

CDMG: Dynadimmer standard dimming functionalities including pre-programmed scenarios to suit many applications and needs from safety to maximum energy savings.

| Ordering Code | Scenario | Dimming Time | Dimming Level |
|---------------|----------|--------------|-------------------|
| CDMGS25 | Safety | 4 hours | 25% power dimming |
| CDMGS50 | Safety | 4 hours | 50% power dimming |
| CDMGS75 | Safety | 4 hours | 75% power dimming |
| CDMGM25 | Median | 6 hours | 25% power dimming |
| CDMGM50 | Median | 6 hours | 50% power dimming |
| CDMGM75 | Median | 6 hours | 75% power dimming |
| CDMGE25 | Economy | 8 hours | 25% power dimming |
| CDMGE50 | Economy | 8 hours | 50% power dimming |
| CDMGE75 | Economy | 8 hours | 75% power dimming |

Luminaire options

BC: Block Connector

FN1: Decorative finial



FN2: Decorative finial



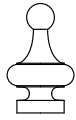
S56 – S56C1-C2 Serenade DSX LED

Urban Luminaire

Specifications (continued)

Luminaire options (continued)

FN3: Decorative finial



FN4: Decorative finial



FN6: Decorative finial



FN8: Decorative finial



FN9: Decorative finial



FN10: Decorative finial



FN11: Decorative finial



FNC: Finial painted copper

HS: House side shield

OVR: Override function

PH8: Photoelectric Cell, Twist-lock Type. Allows a 90 degree rotation.



PH9: Shorting cap, Twist-lock Type



PHXL: Extended life photoelectric cell, Twist-lock Type. Allows a 90° rotation.

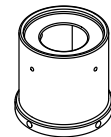


RC: Receptacle 3 pins

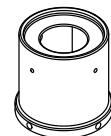


SP2: Integral surge protector

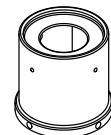
TN2.875: 2-7/8" dia. Tenon adaptor



TN3: 3" dia. Tenon adaptor



TN3.5: 3-1/2" dia. Tenon adaptor



S56C1-C2 (only)

BS: Brass decorative band

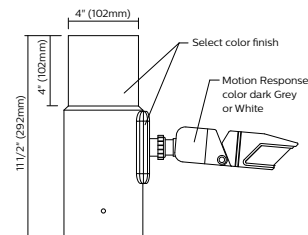
BSC: Brass decorative band with clear coat

CU: Copper decorative band

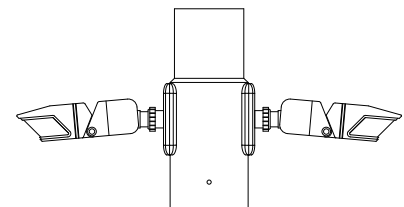
CUC: Copper decorative band with clear coat

Motion Response

Tenon mount motion response provides 270° coverage on an adjustable knuckle. The coverage equals to up to 6 times the sensor height. It is an option offered jointly with the Dynadimmer **OVR** option, that can bring the light up to 100% when the motion response is triggered. It is available in a single or double mounting option. Finish options for the motion response device are white or dark gray. Finish options for the tenon must be specified to match the luminaire and pole. The tenon mount is fully rotatable 360°. This option is available for a 4" OD x 4" long tenon. See instruction sheet for time setting functionality (12 second to 16 minute turn off options) and for mounting instructions.



MR4PG1 or MR4PW1



MR4PG2 or MR4PW2

S56 – S56C1-C2 Serenade DSX LED

Urban Luminaire

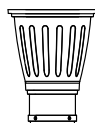
Specifications (continued)

Luminaire adaptors

SFOK: Oak leaf fitter. Fits on a 4" (102mm) outside diameter by 4" (102mm) long tenon.



SFX: Standard fitter. Fits on a 4" (102mm) outside diameter by 4" (102mm) long tenon.



Surge Protector

Surge protector tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line Ground, Line Neutral and Neutral Ground, and in accordance with U.S. DOE (Department of Energy) MSSLC (Municipal Solid State Street Lighting Consortium) model specification for LED roadway luminaires electrical immunity requirements for High Test Level 10kV / 10kA. **SP2** 20kV/20kA optional.

Finish

In accordance with the AAMA 2603 standard. Application of polyester powder coat paint (4 mils/100 microns) with +/- 1 mils/24 microns of tolerance. The Thermosetting resins provides a discoloration resistant finish in accordance with the ASTM D2244 standard, as well as luster retention in keeping with the ASTM D523 standard and humidity proof in accordance with the ASTM D2247 finish in accordance with testing performed and per ASTM B117 standard.

Finish Options Include:

- BE2TX:** Textured Midnight Blue
- BE6TX:** Textured Ocean Blue
- BE8TX:** Textured Royal Blue
- BG2TX:** Textured Sandstone
- BKTX:** Textured Black
- BRTX:** Textured Bronze
- GN4TX:** Textured Blue Green
- GN6TX:** Textured Forest Green
- GN8TX:** Textured Dark Forest Green
- GNTX:** Textured Green
- GR:** Gray Sandtex
- GY3TX:** Textured Medium Grey
- NP:** Natural Aluminum
- RD2TX:** Textured Burgundy
- RD4TX:** Textured Scarlet
- TG:** Hammer-tone Gold
- WHTX:** Textured White

Wiring

Gauge (#14) TEW/AWM 1015 or 1230 wires, 6" (152mm) minimum exceeding from luminaire.

Hardware

All exposed screws shall be complete with Ceramic primer-seal base coat to reduce seizing of the parts and offers a high resistance to corrosion. All seals and sealing devices are made and/or lined with EPDM and/or silicone and/or rubber.

Luminaire useful life

Refer to IES files for energy consumption and delivered lumens for each option. Based on ISTMT in situ thermal testing in accordance with UL1598 and UL8750, System Reliability Tool, Advance data and Lumileds LM-80/TM-21 data, expected to reach 100,000+ hours with >L70 lumen maintenance @ 25°C (32LED's at 1050mA is 88,000). Luminaire Useful Life accounts for LED lumen maintenance AND all of these additional factors including: LED life, driver life, PCB substrate, solder joints, on/off cycles, burning hours and corrosion. Entire luminaire is rated for operation in ambient temperature of -40°C / -40°F up to +35°C / +95°F.

LED products (manufacturing standard)

The electronic components sensitive to electrostatic discharge (ESD) such as light emitting diodes (LEDs) are assembled in compliance with IEC61340 5 1 and ANSI/ESD S20.20 standards so as to eliminate ESD events that could decrease the useful life of the product.

Quality control

Manufactured to ISO 9001 2008 standards and ISO 14001-2004 International Quality Standards Certification.

Certifications and Compliance

CSA, cULus Listed for Canada and USA. Serenade LED luminaires are DesignLights Consortium qualified.

S56 – S56C1-C2 Serenade DSX LED

Urban Luminaire

Specifications (continued):

Poles & Brackets Sample configurations.



Luminaire: S56C2-SFX-FN10
Mounting: CRF-2
Pole: RTA50

Luminaire: S56-SFX-FN10
Mounting: CRC-1A
Pole: RTA800-BA

