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: S55-72W32LED4K-T-ACDR-LE3-120-DMG-SFX-RC-BKTX

Series	LED module		Lamp type	Globe material	Optical system		Voltage		Driver options		Adaptors	
S55			**T**									
S55 Serenade DSX	**4000K**	**3000K**	T	ACDR Acrylic globe	LE2	Type II (ASYM)	**120**	120V	AST[2]	Pre-set, progressive start-up	SFOK	Oak leaf fitter
	35W32LED4K	35W32LED3K		GL Glass globe	LE3	Type III (ASYM}	**208**	208V	CLO[2]	Pre-set, manage lumen depreciation	SFX	Standard fitter
	55W32LED4K	55W32LED3K			LE3W	Type III (ASYM) wide	**240**	240V	DALI[2]	Pre-set, compatible with the DALI control system		
	55W48LED4K	55W48LED3K					**277**	277V				
	72W32LED4K	72W32LED3K			LE4	Type IV (ASYM)	**347**	347V	OTL[2]	Pre-set to signal end of life of the lamp		
	80W48LED4K	80W48LED3K					**480**	480V	DMG	0-10V		
	108W48LED4K	108W48LED3K			LE5[1,]	Type V (SYMM)			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		

Ordering guide (continued)

Luminaire options				Poles & Brackets	Finish	
BC	Block connector	FN11	Decorative finial	Consult signify.com/ outdoorluminaires for details and the complete line of Signify poles and brackets.	BE2TX	Textured midnight blue
BST	Brass decorative cupola	FNC	Finial painted copper		BE6TX	Textured ocean blue
		HS	House Side Shield		BE8TX	Textured royal blue
BSTC	Brass decorative cupola with clear coat	OVR	Override function		BG2TX	Textured Sandstone
		PH8	Photoelectric cell		BKTX	Textured black
CPT	Copper decorative cupola	PH9	Shorting Cap		BRTX	Textured bronze
		PHXL	Photoelectric cell, extended life		GN4TX	Textured blue green
CPTC	Copper decorative cupola with clear coat				GN6TX	Textured forest green
		RC[3]	Receptacle 3 pins		GN8TX	Textured Dk forest green
CR55	Decorative crown	SP2	Surge protector		GNTX	Textured green
FN2	Decorative finial	TN2.875C	2 7/8" dia. Tenon adaptor		GR	Gray sandtex
FN3	Decorative finial				GY3TX	Textured medium grey
FN4	Decorative finial	TN3	3" dia. Tenon adaptor		NP	Natural aluminum
FN8	Decorative finial	TN3.5	3 1/2" dia. Tenon adaptor		RD2TX	Textured burgundy
FN9	Decorative finial				RD4TX	Textured scarlet
FN10	Decorative finial				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.

S55 - S55C1 - C2   Serenade DSX LED

Urban Luminaire

Ordering guide: Luminaire

Series	LED module		Lamp type	Globe material	Optical system	Voltage	Driver options		Adaptors	
			T							
S55C1 Serenade DSX	**4000K**	**3000K**	**T**	**ACDR** Acrylic globe	**LE2** Type II (ASYM)	**120** 120V	**AST**[2]	Pre-set, progressive start-up	**SFOK**	Oak leaf fitter
S55C2 Serenade DSX	35W32LED4K	35W32LED3K		**GL** Glass globe	**LE3** Type III (ASYM}	**208** 208V	**CLO**[2]	Pre-set, manage lumen depreciation	**SFX**	Standard fitter
	55W32LED4K	55W32LED3K			**LE3W** Type III (ASYM) wide	**240** 240V	**DALI**[2]	Pre-set, compatible with the DALI control system		
	55W48LED4K	55W48LED3K				**277** 277V	**OTL**[2]	Pre-set to signal end of life of the lamp		
	72W32LED4K	72W32LED3K			**LE4** Type IV (ASYM)	**347** 347V	**DMG** 0-10V			
	80W48LED4K	80W48LED3K			**LE5**[1.] Type V (SYMM)	**480** 480V	**CDMGP**[2]	Dimming level set by user		
	108W48LED4K	108W48LED3K					**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		

Ordering guide (continued)

Luminaire options				Poles & Brackets	Finish	
BC	Block Connector	**FN8**	Decorative finial	Consult signify.com/ outdoorluminaires for details and the complete line of Signify poles and brackets.	**BE2TX**	Textured midnight blue
BS	Brass decorative band	**FN9**	Decorative finial		**BE6TX**	Textured ocean blue
BSC	Brass decorative band with clear coat	**FN10**	Decorative finial		**BE8TX**	Textured royal blue
		FN11	Decorative finial		**BG2TX**	Textured Sandstone
BST	Brass decorative cupola	**FNC**	Finial painted copper		**BKTX**	Textured black
		HS	House Side Shield		**BRTX**	Textured bronze
BSTC	Brass decorative cupola with clear coat	**OVR**	Override function		**GN4TX**	Textured blue green
		PH8	Photoelectric cell		**GN6TX**	Textured forest green
CPT	Copper decorative cupola	**PH9**	Shorting Cap		**GN8TX**	Textured Dk forest green
		PHXL	Photoelectric cell, extended life		**GNTX**	Textured green
CPTC	Copper decorative cupola with clear coat	**RC**[3]	Receptacle 3 pins		**GR**	Gray sandtex
		SP2	Surge protector		**GY3TX**	Textured medium grey
CU	Copper decorative band	**TN2.875C**	2 7/8'' dia. Tenon adaptor		**NP**	Natural aluminum
CUC	Copper decorative band with clear coat	**TN3**	3'' dia. Tenon adaptor		**RD2TX**	Textured burgundy
		TN3.5	3 1/2'' dia. Tenon adaptor		**RD4TX**	Textured scarlet
FN2	Decorative finial				**TG**	Hammertone gold
FN3	Decorative finial				**WHTX**	Textured white
FN4	Decorative finial					

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
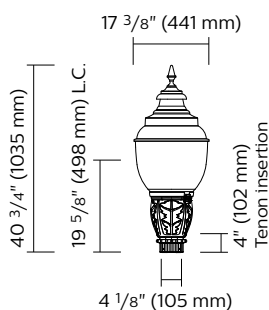
Ordering guide: Motion Response

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

****OVR** option is required for Motion Response Accessory
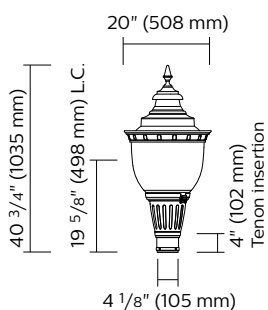
S55 - S55C1-C2   Serenade DSX LED
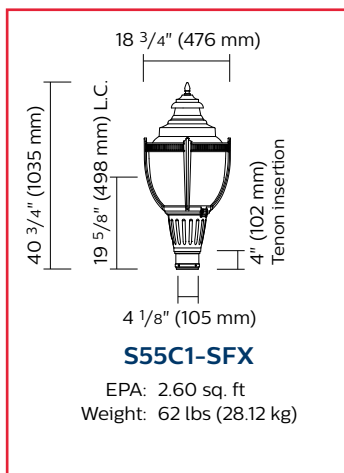## Urban Luminaire

Dimensions

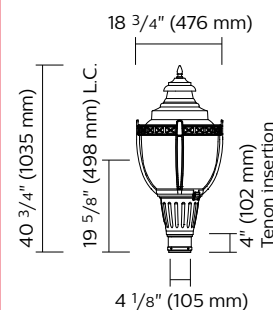**S55-SFOK**
EPA: 2.25 sq. ft
Weight: 58 lbs (26.31 kg)

S55-SFX-CR55
EPA: 2.50 sq. ft
Weight: 63 lbs (28.58 kg)

S55C1-SFX
EPA: 2.60 sq. ft
Weight: 62 lbs (28.12 kg)

S55C2-SFX
EPA: 2.57 sq. ft
Weight: 58 lbs (26.31 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. L_{70} is the predicted time when LED performance depreciates to 70% of initial lumen output. Calculated per IESNA TM21–11. Published L_{70} 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 S55

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
S55-35W32LED4K-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
S55-55W32LED4K-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
S55-72W32LED4K-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
S55-55W48LED4K-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
S55-80W48LED4K-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
S55-108W48LED4K-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.

S55 - S55C1-C2 Serenade DSX LED

Urban Luminaire

LED Wattage and Lumen Values: Serenade S55 (continued)

3000K

Ordering Code	Total LEDs	LED Current (mA)	Average System Watts[1]	Color Temp.	Type LE2 Delivered Lumens[2]	Type LE2 Efficacy (LPW)	Type LE2 BUG Rating	Type LE3 Delivered Lumens[2]	Type LE3 Efficacy (LPW)	Type LE3 BUG Rating	Type LE3W Delivered Lumens[2]	Type LE3W Efficacy (LPW)	Type LE3W BUG Rating	Type LE4 Delivered Lumens[2]	Type LE4 Efficacy (LPW)	Type LE4 BUG Rating	Type LE5 Delivered Lumens[2]	Type LE5 Efficacy (LPW)	Type LE5 BUG Rating
S55-35W32LED3K-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
S55-55W32LED3K-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
S55-72W32LED3K-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
S55-55W48LED3K-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
S55-80W48LED3K-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
S55-108W48LED3K-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 S55C1-C2

4000K with cage

Ordering Code	Total LEDs	LED Current (mA)	Average System Watts[1]	Color Temp.	Type LE2 Delivered Lumens[2]	Type LE2 Efficacy (LPW)	Type LE2 BUG Rating	Type LE3 Delivered Lumens[2]	Type LE3 Efficacy (LPW)	Type LE3 BUG Rating	Type LE3W Delivered Lumens[2]	Type LE3W Efficacy (LPW)	Type LE3W BUG Rating	Type LE4 Delivered Lumens[2]	Type LE4 Efficacy (LPW)	Type LE4 BUG Rating	Type LE5 Delivered Lumens[2]	Type LE5 Efficacy (LPW)	Type LE5 BUG Rating
S55Cx-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
S55Cx-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
S55Cx-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
S55Cx-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
S55Cx-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
S55Cx-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 Delivered Lumens[2]	Type LE2 Efficacy (LPW)	Type LE2 BUG Rating	Type LE3 Delivered Lumens[2]	Type LE3 Efficacy (LPW)	Type LE3 BUG Rating	Type LE3W Delivered Lumens[2]	Type LE3W Efficacy (LPW)	Type LE3W BUG Rating	Type LE4 Delivered Lumens[2]	Type LE4 Efficacy (LPW)	Type LE4 BUG Rating	Type LE5 Delivered Lumens[2]	Type LE5 Efficacy (LPW)	Type LE5 BUG Rating
S55Cx-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
S55Cx-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
S55Cx-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
S55Cx-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
S55Cx-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
S55Cx-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.

S55 - S55C1-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 (S55C1/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).
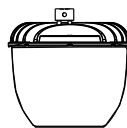
Driver

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
CDMG**S25**	Safety	4 hours	25% power dimming
CDMG**S50**	Safety	4 hours	50% power dimming
CDMG**S75**	Safety	4 hours	75% power dimming
CDMG**M25**	Median	6 hours	25% power dimming
CDMG**M50**	Median	6 hours	50% power dimming
CDMG**M75**	Median	6 hours	75% power dimming
CDMG**E25**	Economy	8 hours	25% power dimming
CDMG**E50**	Economy	8 hours	50% power dimming
CDMG**E75**	Economy	8 hours	75% power dimming

Luminaire options

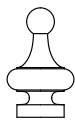|	
BC:	Block Connector
BST:	Brass decorative cupola
BSTC:	Brass decorative cupola with clear coat
CPT:	Copper decorative cupola
CPTC:	Copper decorative cupola with clear coat
FN2:	Decorative finial

Specifications (continued)

Luminaire options (continued)

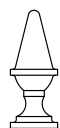**FN3:** Decorative finial

FN4: 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.

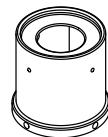**RC:** Receptacle 3 pins

SP2: Integral surge protector

TN2.875: 2-7/8" dia. Tenon adaptor
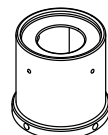
TN3: 3" dia. Tenon adaptor
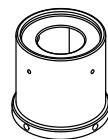
TN3.5: 3-1/2" dia. Tenon adaptor

S55 (only)

CR55: Decorative crown

S55C1-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 270º 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.
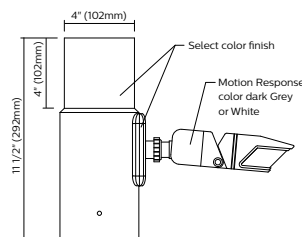
MR4PG1 or **MR4PW1**
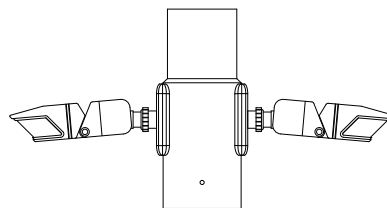
MR4PG2 or **MR4PW2**
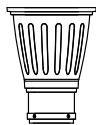
S55 - S55C1-C2   Serenade DSX LED

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 esistant 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 standard. The surface treatment achieves a minimum of 2000 hours for salt spray resistant 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.

Specifications (continued):

Poles & Brackets   Sample configurations.

Luminaire: S55-SFOK-FN10	**Luminaire:** S55-SFX-CR55-FN10	**Luminaire:** S55C1-SFOK-FN10
Pole: APR4-LBC3	**Pole:** RTA126-BA	**Pole:** RTA61-PS