

Reliable efficiency, designed for performance

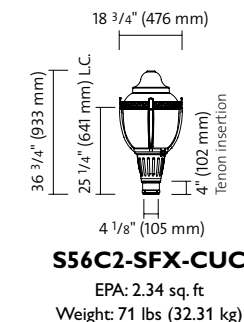
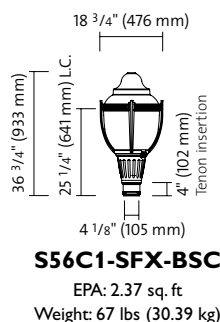
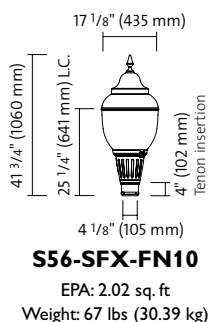
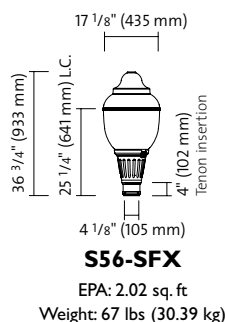
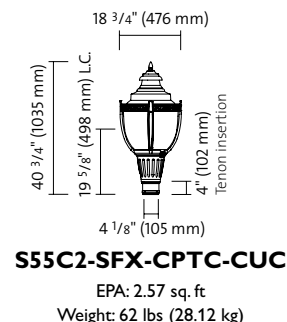
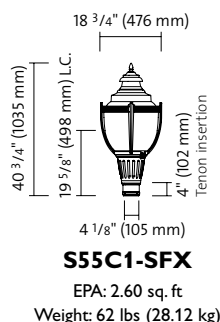
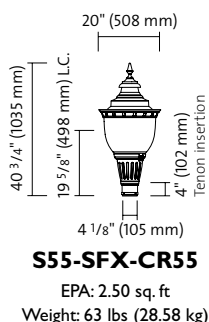
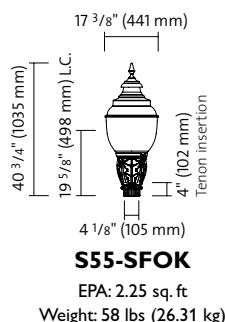
SERENADE DSX URBAN LUMINAIRE



PHILIPS LUMEC SERENADE SERIES URBAN LUMINAIRE

Philips Lumec's Serenade Series is 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:		
Equipment:		
Catalog Number:		
Type of Luminaire:		
Metric:	Lamps:	Qty:
Notes:		



Benefits

- Glass globe with no exterior prism.
- Cut-off optical system having as low as 1% uplight with DSX optics.
- Superior efficiency & lighting uniformity, available with metal halide (MH) and high-pressure sodium (HPS) lamp sources as well as induction lamps (QL) and LED.
- Toolfree access & IP66 sealed optical chamber.

Lamps / LED

LED = Philips Lumileds Luxeon R, CRI = 70, CCT = 4000K (+/- 350K)

System (LED + driver) Rated life = 100,000 hrs¹

LED light engine technical information for S55, S56, S55C1, S56C1, S55C2, S56C2

Lamp	Typical delivered lumens	Typical system wattage ² (w)	Typical current @ 120V (A)	Typical current @ 208V (A)	Typical current @ 240V (A)	Typical current @ 277V (A)	LED current (mA)	HID equivalent ³	Luminaire efficacy rating (lm/W)	BUG rating
35W32LED4K-R-LE2	3468	36	0.29	0.17	0.16	0.15	350	70-100	96.3	B1-U2-G1
35W32LED4K-R-LE3	3439	36	0.29	0.17	0.16	0.15	350	70-100	95.5	B1-U2-G2
35W32LED4K-R-LE4	3520	36	0.29	0.17	0.16	0.15	350	70-100	97.8	B1-U2-G1
35W32LED4K-R-LE5	3694	36	0.29	0.17	0.16	0.15	350	70-100	102.6	B3-U2-G1
55W32LED4K-R-LE2	4916	53	0.40	0.23	0.21	0.19	530	100-150	92.8	B1-U3-G1
55W32LED4K-R-LE3	4880	53	0.40	0.23	0.21	0.19	530	100-150	92.1	B1-U3-G2
55W32LED4K-R-LE4	4984	53	0.40	0.23	0.21	0.19	530	100-150	94.0	B1-U3-G2
55W32LED4K-R-LE5	5232	53	0.40	0.23	0.21	0.19	530	100-150	98.7	B3-U3-G1
55W48LED4K-R-LE2	5105	55	0.38	0.22	0.23	0.21	350	100-150	92.8	B2-U3-G2
55W48LED4K-R-LE3	5064	55	0.38	0.22	0.23	0.21	350	100-150	92.1	B2-U3-G2
55W48LED4K-R-LE4	5172	55	0.38	0.22	0.23	0.21	350	100-150	94.0	B1-U3-G2
55W48LED4K-R-LE5	5429	55	0.38	0.22	0.23	0.21	350	100-150	98.7	B3-U3-G1
80W48LED4K-R-LE2	7192	79	0.63	0.36	0.34	0.31	530	150-175	91.0	B2-U3-G2
80W48LED4K-R-LE3	7132	79	0.63	0.36	0.34	0.31	530	150-175	90.3	B2-U3-G2
80W48LED4K-R-LE4	7287	79	0.63	0.36	0.34	0.31	530	150-175	92.2	B2-U3-G2
80W48LED4K-R-LE5	7649	79	0.63	0.36	0.34	0.31	530	150-175	96.8	B3-U3-G2

Optical System / LED



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: Asymmetrical
LE3: Asymmetrical
LE4: Asymmetrical
LE5: Symmetrical (square)

> LE2/LE3/LE4/LE5 available in acrylic and borosilicate.
> House shield available in option (HS)



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.

LEH2: Asymmetrical : Extensive
LEH3: Asymmetrical : Extensive

> LEH2/LEH3 available in acrylic and borosilicate.
> House shield available in option (HS)

Voltage

120 / 208 / 240 / 277 / 347 / 480

Optical System / QL

(Lamps included)



DSX Optics

Optical system made of a hydroformed reflector sealed on a prismatic globe.

DSX5: Symmetrical : Cutoff

> House shield available in option (HS)

Lamps / QL

Wattage	DSX5
55 QL	✓
85 QL	✓

✓ : Available

High frequency generator for induction lamp (4000K).
Instant start. Operating range 50-60 Hz or DC.
Lamp minimum starting temperature -40F (-40 °C).

Voltage

120 / 208 / 240 / 277

¹ L70 = 100,000 hrs (at ambient temperature = 25°C and forward current = 700 mA)
² System wattage includes the lamp and the LED driver.

³ Equivalence should always be confirmed by a photometric layout.

* Photometry available on Philips Lumec's web site www.philips.com/lumec.

Note: Due to rapid and continuous advances in LED technology, LED luminaire data is subject to change without notice and at the discretion of Philips.

SERENADE DSX URBAN LUMINAIRE

Lamps / HID

Wattage	GL				ACDR			
	DSX3	DSX5	DSH3	DSH5	DSX3	DSX5	DSH3	DSH5
50 MH, medium	✓	✓	✓	✓	✓	✓	✓	✓
70 MH, medium	✓	✓	✓	✓	✓	✓	✓	✓
100 MH, medium	✓	✓	✓	✓	✓	✓	✓	✓
150 MH, medium	✓	✓	✓	✓	✓	✓	✓	✓
175 MH, mogul	✓	✓	✓	✓	✓	✓	✓	✓
200 MH, mogul	✓	✓	✓	✓	N/A	N/A	N/A	N/A
250 MH, mogul	✓	✓	✓	✓	N/A	N/A	N/A	N/A
35 HPS, medium	✓	✓	✓	✓	✓	✓	✓	✓
50 HPS, mogul	✓	✓	✓	✓	✓	✓	✓	✓
70 HPS, mogul	✓	✓	✓	✓	✓	✓	✓	✓
100 HPS, mogul	✓	✓	✓	✓	✓	✓	✓	✓
150 HPS, mogul	✓	✓	✓	✓	✓	✓	✓	✓
200 HPS, mogul	✓	✓	✓	✓	N/A	N/A	N/A	N/A
250 HPS, mogul	✓	✓	✓	✓	N/A	N/A	N/A	N/A

✓ : Available N/A : Not available

CosmoPolis™ / new generation of ceramic metal halide lamp

Wattage	GL				ACDR			
	DSX3	DSX5	DSH3	DSH5	DSX3	DSX5	DSH3	DSH5
50 MH, medium	✓	✓	✓	✓	✓	✓	✓	✓
70 MH, medium	✓	✓	✓	✓	✓	✓	✓	✓
100 MH, medium	✓	✓	✓	✓	✓	✓	✓	✓

✓ : Available

Master Color Elite

Wattage	GL				ACDR			
	DSX3	DSX5	DSH3	DSH5	DSX3	DSX5	DSH3	DSH5
50 MH, medium	✓	✓	✓	✓	✓	✓	✓	✓
70 MH, medium	✓	✓	✓	✓	N/A	N/A	N/A	N/A

✓ : Available N/A : Not available

Optical System / HID

(Lamps not included)



DSX Optics

Optical system made of a hydroformed reflector sealed on a prismatic globe.

DSX3: Asymmetrical / Cutoff

DSX5: Symmetrical / Cutoff

> House shield available in option (HS)



DSH Optics

Optical system made of a hydroformed reflector sealed on a prismatic globe.

DSH3: Asymmetrical / Extensive Non-Cutoff

DSH5: Symmetrical / Extensive Non-Cutoff

> House shield available in option (HS)

* Photometry available on Philips Lumec web site www.philips.com/lumec.

Voltage

HID¹: 120 / 208 / 240 / 277 / 347 / 480

CosmoPolis™: 120 / 208 / 240 / 277

Master Color Elite: 208 / 240 / 277

¹ Multi-top ballast also available.

Luminaire Options

- HS** House shield
- BC** Block connector
- TN3** Adaptor to fit over a 3" (76 mm) O.D. by 4" (102 mm) long tenon
- TN3.5** Adaptor to fit over a 3 1/2" (89 mm) O.D. by 4" (102 mm) long tenon
- FNC** Copper-colored painted finial
- FS** Fusing (consult factory)
- PH8** Photoelectric cell

S55C1/S55C2/S56C1/S56C2

- BS** Brass decorative band
- BSC** Brass decorative band, protected by a polyester clear coat
- CU** Copper decorative bands, located on the ring guard
- CUC** Copper decorative band, protected by a polyester clear coat

S55/S55C1/S55C2

- CPT** Copper cupola
- CPTC** Copper cupola, protected by a polyester clear coat
- BST** Brass decorative cupola
- BSTC** Brass decorative cupola, protected by a polyester clear coat

S55

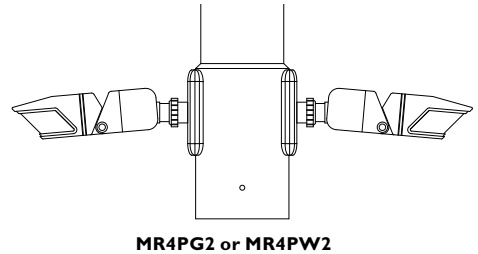
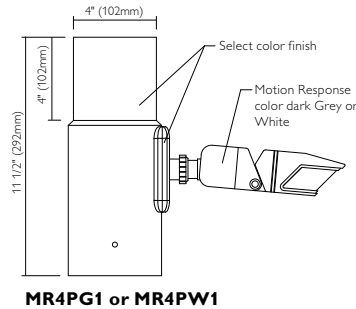
- CR55** Decorative crown

SERENADE DSX URBAN LUMINAIRE

Luminaire Options (continued)

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.



Mountings:

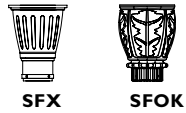
(Consult the Pole Guide for details and the complete line of mountings)



Finials:

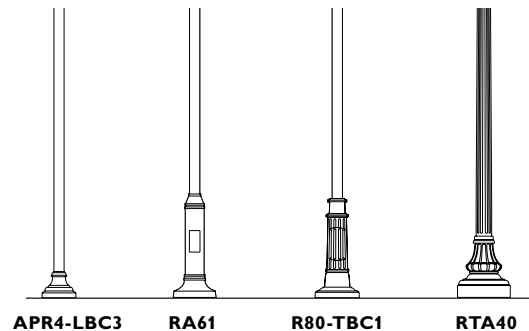


Adaptors



Poles and Pole options

(Consult the Pole Guide for details and the complete line of poles)



Finishes

(Consult Philips Lumec's Color Chart for complete specifications)

The specially formulated Lumital powder coat finish is available in a range of many standard colors.

Luminaire ordering sample

Luminaire	Lamp	Globe/Lens	Optical system	Voltage	Adaptor	Options	Mounting & Configuration	Pole	Finish
S55	90W49LED4K	GL	LE3	120	SFOK	FN10	CRA-1A	RTA40	BKTX

Ordering Guide (Accessories) - Motion Response*

Must be ordered as a separate line item

example: ACC-120-MR4PGI-BKTX

Accessory

ACC

Voltage

120: 120V
277: 277V

Motion Response Module*

MR4PG1: Single Grey
MR4PG2: Double Grey
MR4PW1: Single White
MR4PW2: Double White

Finish

(Consult Philips Lumec's Color Chart for complete specifications)

*OVR option is required for Motion Response Accessory

SERENADE DSX URBAN LUMINAIRE

Maintenance



1. Access to internal component

The luminaire's hood can be opened by simply opening the latch located on the technical ring. The hood can then be pivoted along a hinge incorporated in the technical ring. For ease of maintenance, a retaining mechanism holds the globe at a 90° angle from the technical ring.



2. Access to lamp

A simple quarter-turn of the sealed optic shutter provides easy access to the lamp. Quick-disconnect terminals between the lamp and the ballast tray ensure safe and easy lamp replacement.



3. Access to ballast

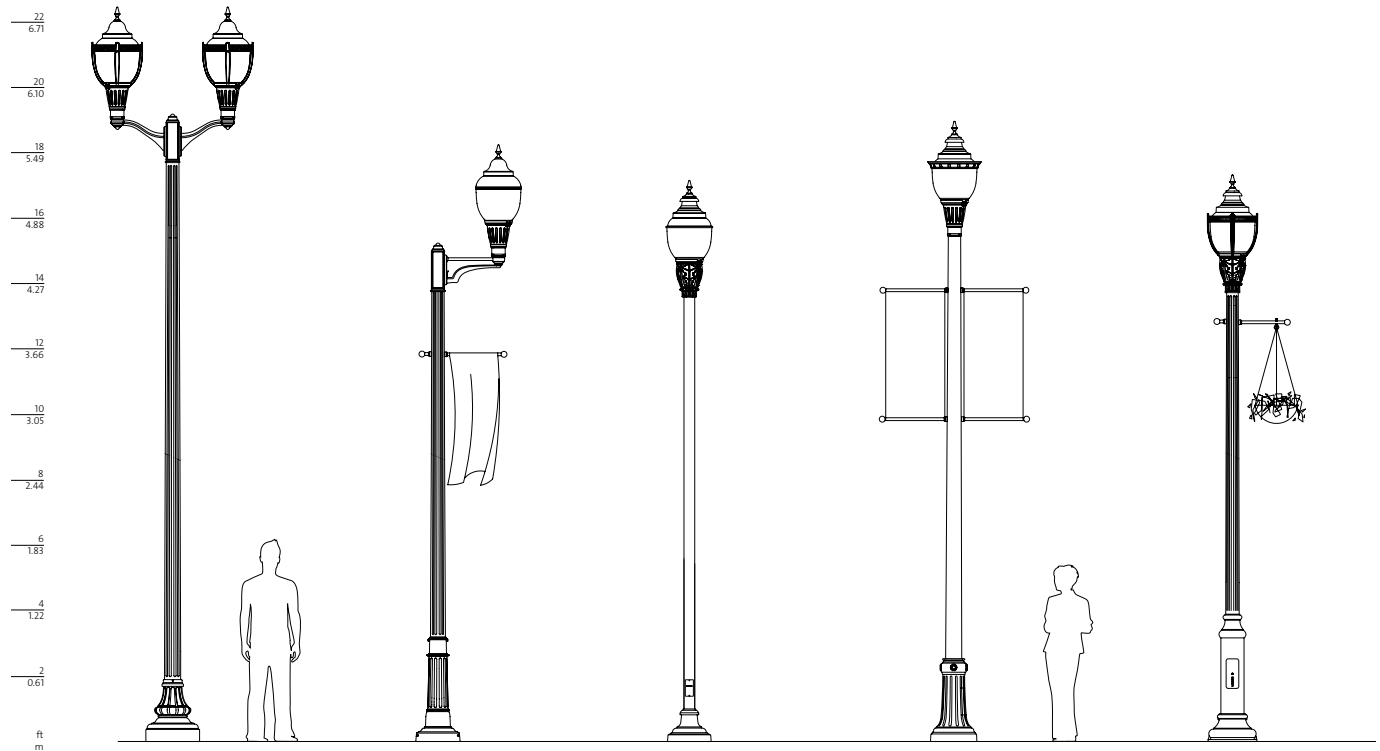
The toolfree drop-in unitized ballast tray is slipped into the post top box which rests on the optical support plate. Here again, the use of quick-disconnect terminals ensures safe and easy ballast maintenance.



4. Access to PH8

Once the ballast tray is removed, tool-free access to the photoelectric cell (PH8) is then possible. Orienting the cell is also an easy step to achieve by simply turning the luminaire's technical ring in the desired position.

Assembly examples



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

Luminaire:
S56-SFX-FN10
Mounting: **CRC-1A**
Pole: **RTA800BA**

Luminaire:
S55-SFOK-FN10
Pole: **APR4-LBC3**

Luminaire:
S55-SFX-CR55-FN10
Pole: **RTA126-BA**

Luminaire:
S55C1-SFOK-FN10
Pole: **RTA61-PS**



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www.philips.com/luminaires

Serenade_DSX_Dual_Spec 07/14 page 5 of 5

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