







## LSRI & LSR2 Roadway

### Features<sup>1</sup>

Wattage	50W, 75W
Lumen Output Range	4323 – 7450
Color Temperature (Cct)	4000K, 5000K
Color Rendering Index (Cri)	70 (4000k) and 65 (5000k)
Rated Life L70	>100,000 hrs @ 25°C > 85,000 hrs @ 40°C
Housing	Die Cast and Extruded Aluminum
Finish	Grey, Black, Bronze Powder Coat
Optical Distributions	Type II, Type III, Type IV Type II Streetside Optimized, Type III Streetside Optimized, Type V
Mounting Options	Fits standard 1-1/4" to 2" Mast Arm; 38 - 61mm. 2-bolt or 4-bolt Internal
Dimensions	28.2"L x 8.0"W x 3.8"H 716mm x 203.2mm x 96.52mm
EPA (Sq. Ft.)	.77
Weight	22lbs
Driver Voltage	120-277 VAC @ 50-60 Hz, DCV <sup>2</sup>
Operating Temperature	-40°C to +50°C (-40°F to +122°F)
Power Factor (PF)	≥0.9
Total Harmonic Distortion (THD)	<20%
Off State Power	0
Warranty	5 Year Limited
Certifications	    3G Vibration Rating <sup>3</sup>

### Environment



IP66 LED Optical Module  
IP65 LED Driver

## Benefits

- Sustainable Design:
- Custom arrayed optics to reduce the use of plastics.
- No tertiary optical losses.
- Use of recycled and recyclable corrosion resistant materials.
- Full cutoff optics meet Dark Sky requirements
- Holistic Thermal Design:
- Underdriving LEDs to improve efficiency and system life.
- Use of premium grade alloys for enhanced thermal conduction.
- Electronics are isolated and sealed from the optical chamber.
- Fits standard 1 1/4" to 2" mast arm.

### Typical Applications Include:

- Roadways
- City Streets
- Campuses
- Residential Streets
- Parking Lots

<sup>1</sup>Consult [www.lsgc.com](http://www.lsgc.com) for 5000K IES and LM-79 report

<sup>2</sup>Outdoor applications only

<sup>3</sup>4-bolt mounting required for 3G vibration rating

# LSR1 & LSR2

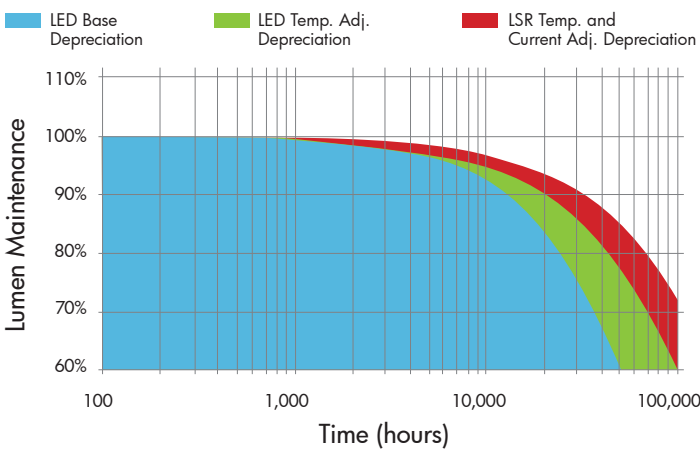
## PRODUCT ORDERING INFORMATION EXAMPLE: LSR1 CW R2 MVOLT 2B PCR PC HS GR

Family	Color Temp.	Optical Distribution	Voltage	Mounting	Receptacle	Options	Accessories	Finish
LSR1 50W	NW 4000K	R2 Type II	MVOLT Multi-Volt	2B 2-bolt (standard)	PCR Photocontrol Receptacle (standard)	PC Twist-lock Photocontrol	HS House Side	GR Grey (standard)
LSR2 75W	CW 5000K	R3 Type III	480V 480 Volt	4B 4-bolt Internal <sup>1</sup>	NR No Photocontrol Receptacle	SH Shorting Cap		BLK Black
		R2SS Type II Streetside Optimized						BZ Bronze
		R3SS Type III Streetside Optimized						
		R4 Type IV						
		R5 Type V						

## LSR1 & LSR2 Performance Specifications<sup>2</sup>

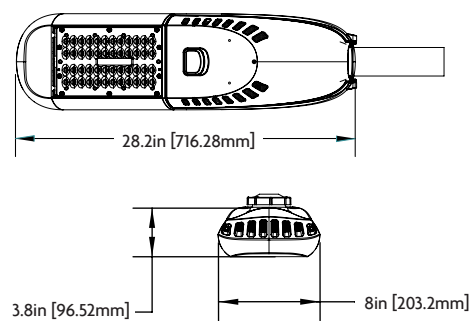
Performance Package	Optic	IES BUG Rating			Input Watts	4000K CCT					Total Current @ 120V	Total Current @ 240V	Total Current @ 277V	L70 Life (hrs)				
		B	U	G		Delivered Lumens	Efficacy (LPW)	CRI	Power Factor	THD				@ 25°	@ 40°			
LSR1	R2	2	1	1	50W	4430	87	70	≥ 0.9	<20%	0.46	0.32	0.30	> 100K	> 85K			
	R2SS	1	1	1		4297	84									0.46	0.32	0.30
	R3	1	1	1		4922	86									0.46	0.32	0.30
	R3SS	1	1	1		4774	84									0.46	0.32	0.30
	R4	1	1	1		5036	91									0.46	0.32	0.30
	R5	2	1	1		4997	94									0.46	0.32	0.30
LSR2	R2	2	1	1	75W	6752	90	70	≥ 0.9	<20%	0.66	0.34	0.33	> 100K	> 85K			
	R2SS	1	1	1		6538	87									0.66	0.34	0.33
	R3	2	1	2		6761	90									0.66	0.34	0.33
	R3SS	1	1	1		6497	87									0.66	0.34	0.33
	R4	2	1	1		6939	93									0.66	0.34	0.33
	R5	2	1	1		6997	93									0.66	0.34	0.33

## Lumen Maintenance Projections



LSR lumen maintenance projections are based on 100% system operation at a 25°C ambient temperature. Lumen maintenance projections are based on mfg. LM80 performance and drive current and in situ temperature measurements.

## Dimensions



All mounting hardware included with each unit.

<sup>1</sup> Required for 3G vibration rating.

<sup>2</sup> Consult [www.lsgc.com](http://www.lsgc.com) for 5000K IES and LM-79 report