







## 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"

PROLIFIC™

DBR

## Features<sup>1</sup>

Wattage	200-300W
Lumen Output Range	18,660-28,000
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 - 61 mm
Dimensions	37.2"L x 16.7"W x 5.2"H 944.882mm x 424.18mm x 132.08mm
Epa	1.0
Weight	38lbs
Driver Voltage	120-277 VAC @ 50-60 Hz, 480V
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	   

## Environment



IP66 LED Optical Module  
IP65 LED Driver

<sup>1</sup> Consult [www.lsgc.com](http://www.lsgc.com) for 5000K IES and LM-79 report  
<sup>2</sup> For outdoor applications only

## FAMILY PRODUCT ORDERING INFORMATION

EXAMPLE: DBR1 CW R2 MVOLT 4B PCR PC GR

Family	Color Temp	Optical Distribution	Voltage	Mounting	Receptacle	Options	Accessories	Finish
DBR1 200W	NW 4000K	R2 Type II	MVOLT Multi-Volt	4B 4-bolt	PCR Photocontrol Receptacle (standard)	PC Twist-lock Photocontrol	HS House side	GR Grey (standard)
DBR2 300W	CW 5000K	R3 Type III	480V 480 Volt		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						

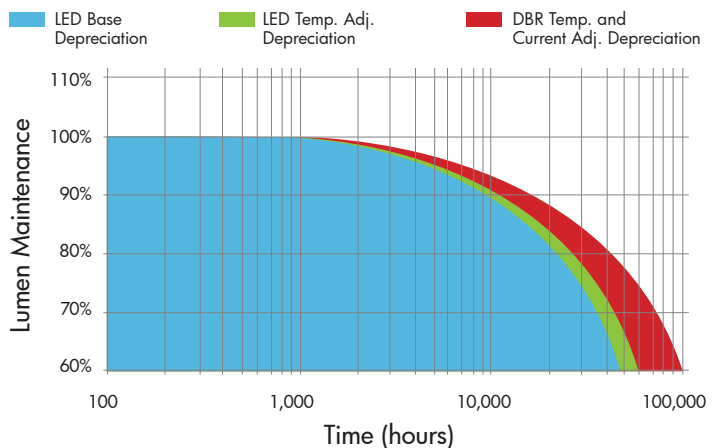
## DBR Performance Specifications<sup>1</sup>

All mounting hardware included with each unit.

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°
DBR1	R2	3	2	3	200W	19300	93	70	≥ 0.9	<20%	1.7	0.85	0.78	> 100K	> 85K
	R2SS	3	3	3		19610	91				1.7	0.85	0.78		
	R3	3	2	3		18968	95				1.7	0.85	0.78		
	R3SS	3	3	3		19230	91				1.7	0.85	0.78		
	R4	3	2	3		20000	98				1.7	0.85	0.78		
	R5	4	1	3		19440	100				1.7	0.85	0.78		
DBR2	R2	4	2	3	300W	26730	82	70	≥ 0.9	<20%	2.5	1.94	1.14	> 100K	> 65K
	R2SS	3	3	3		25560	80				2.5	1.94	1.14		
	R3	4	2	3		26580	86				2.5	1.94	1.14		
	R3SS	3	3	3		26110	86				2.5	1.94	1.14		
	R4	4	2	3		27360	90				2.5	1.94	1.14		
	R5	4	1	3		26380	88				2.5	1.94	1.14		

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

## Lumen Maintenance Projections



DBR 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

