

A	B	C	D	S1	S2
5.0	0.625	13.3	7.9	5.8	7.5
127.0 mm	15.9 mm	337.8 mm	200.7 mm	147.3 mm	190.5 mm

SGE6LEDOS - TRIM FLANGE / NON-IC RATED

APPLICATION

6" LED Recessed open aperture downlight for general downlighting.

FEATURES

Two-stage optical system for smooth light distribution. Zhaga International Standard LED module for ease of maintenance and replacement. Shallow plenum design. Tool-less LED module, driver and J-Box access. Multi-Bar mounting brackets. BH27 Standard mounting bars included. Posi-lock trim retention torsion springs. Integral 0.625" collar.

TRIM FINISH

A variety of architectural powdercoat and anodized finishes are available. Matte white flange is standard.

ELECTRONICS

LED module features high brightness white Osram LEDs. 3-step MacAdam Ellipse binning and CRI 84 minimum. Full range of electronic 120V/277V and dimming drivers.

CONSTRUCTION

Housing/frame constructed of #20 ga. galvanized steel to resist corrosion. Self-flanged one piece trim spun from 0.063" thick high purity aluminum and finished to specification. Power machined aluminum heatsink.

CODE COMPLIANCE

BAA Compliant. Non-IC rated. ETL certified to meet US and Canadian standards. Suitable for dry or damp locations. Optional Wet location. LM79/LM80/TM21 data available. Manufactured and tested to UL standards No. 1598/8750.

WATTAGE TO LUMENS UPDATE					
CURRENT PART NUMBER EXAMPLE	PREVIOUS PART NUMBER EXAMPLE	SOURCE LUMENS ¹	DELIVERED LUMENS ²	SYSTEM WATTS	LPW
SGE6LEDOS10L	SGE6LEDOS14W	1100	878	11	80
SGE6LEDOS15L	N/A	1500	1092	13	84
SGE6LEDOS20L	SGE6LEDOS25W	2000	1864	20	93
SGE6LEDOS30L	SGE6LEDOS35W	3000	2563	28	92
SGE6LEDOS45L	N/A	4500	3793	41	92

SERIES	LUMENS ¹	CCT	DRIVER / VOLTAGE ³	OPTIONS ⁴	TRIM	FINISH	TRIM OPTIONS		
SGE6LEDOS	10L	1100 Lm	27K 2700K	E Electronic Driver DS10 10%, 0-10V DO10 1%, 0-10V DS2W1 1%, ELV/MLV, 120V DLTE1 1% Lutron® 2-Wire Forward Phase, 120V DL3E 1% Lutron® EcoSystem®, Fade EL10 1%, eldoLED ED01 0.1%, eldoLED DALI DALI Control	1 120V 2 277V	BH27 ⁵ 27" Solid Bars H12 12" - 24" Expandable Bars H06 6" - 12" Expandable Bars CB24 24" C-Channel Bars FS Fusing EB Fixture Painted Black CR Corrosion Resistant PR ⁶ Deep Ceiling Extension GR Goof Ring ZIG ⁷ ZigBee Module BLU ⁷ Bluetooth LE EM ⁸ 7W Emergency Battery Test Switch Remote EMIT ⁹ 7W Emergency Battery Test Switch in Trim AMB Anti-Microbial Finish	AR6223OS	MW ¹⁰ Matte White MB Matte Black SG Semi-Diffuse HZ Haze Full Diffuse PT Platinum Silver BZ Bronze OB Oil Rubbed Bronze CH Charcoal AS Anodic Sapphire AN Anodic Natural AC Anodic Champagne AZ Anodic Bronze AK Anodic Black AM Anodic Malachite SN Sun Gold CO Copper Metallic GH Graphite CC ¹¹ Custom Color	SO ¹² Micro Prism Solite™ Lens GL Clear Glass Lens FG Frosted Glass Lens GS Gasket WL Wet Location EMIT ⁹ Emergency Test Switch in Trim PF ¹³ Polished Flange AMB Anti-Microbial Finish
	15L	1500 Lm	30K 3000K						
	20L	2000 Lm	35K 3500K						
	30L	3000 Lm	40K 4000K						
	45L	4500 Lm							

EXAMPLE: SGE6LEDOS20L35KE1/AR6223OSSGSO

NOTES:
 1 Nominal Source Lumens at 35K 2 Nominal Delivered Lumens at 35K with SG-SO 3 Contact Factory for Additional Options 4 See Product Options Page for Details 5 Standard Bar Hangers 6 Contact Factory 7 Order DS101/2 When Specifying ZIG or BLU 8 Standard EM 9 EMIT Suffix Required on Trim and Housing 10 Standard Finish 11 Contact Factory for Special Finishes 12 Standard Lens 13 Flange and Reflector Same Finish



PROJECT: _____
 TYPE: _____



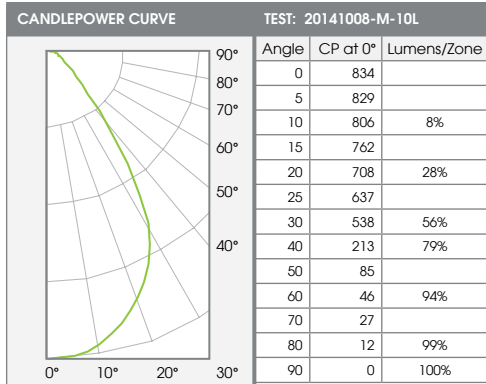
Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

6" ROUND LED DOWNLIGHT OS SERIES / PHOTOMETRIC DATA

recessed
fixtures



SGE6LEDOS10L35KE1-AR6223OSMWSO



Delivered Lumens: 1033
Luminaire Watts: 14.4
LER: 72

CP @ 0° (Nadir): 834
Beam Angle: 67°
Spacing Ratio: 1.04

SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Height*	FC at Center	Diameter of Beam**	FC at Beam**
5.5'	28	7.3'	10
6.5'	20	8.6'	7
7.5'	15	9.9'	5
8.0'	13	10.6'	5
8.5'	12	11.3'	4
9.0'	10	11.9'	4
10.0'	8	13.2'	3
11.0'	7	14.6'	2

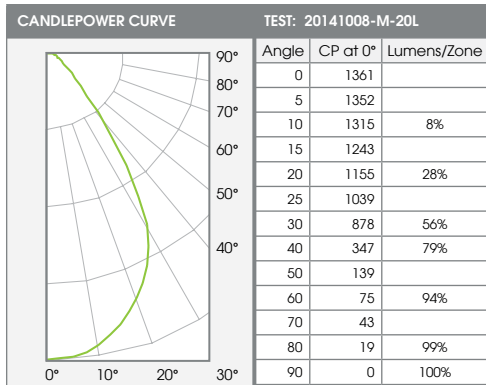
* From aperture to horizontal surface below.
** At IESNA defined Beam Angle, to 50% Max. CP.

MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT					
Ceiling Height	Fixture Spacing	RCR 2: Large Room		RCR 4: Medium Room	
		FC*	W/Sq. Ft.	FC*	W/Sq. Ft.
8'	4'	56	0.79	54	0.90
	5'	40	0.56	40	0.68
9'	5'	36	0.51	38	0.64
	6'	25	0.35	30	0.51
10'	5'	32	0.46	29	0.48
	6'	28	0.40	24	0.40
11'	6'	26	0.36	23	0.38
	7'	19	0.27	18	0.29

Delivered Illuminance Rating: (DIR) 71 FC per W/Sq. Ft. 60 FC per W/Sq. Ft.
*Average Footcandles at 2.5' above floor.

CCT: 3500° K CRI: 84 CCT Output Factors: 40K 103%, 30K 95%, 27K 89% Multiplier for FC Values at 9W: 0.56

SGE6LEDOS20L35KE1-AR6223OSMWSO



Delivered Lumens: 1685
Luminaire Watts: 25.6
LER: 66

CP @ 0° (Nadir): 1361
Beam Angle: 67°
Spacing Ratio: 1.04

SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Height*	FC at Center	Diameter of Beam**	FC at Beam**
6.5'	32	8.6'	11
7.5'	24	9.9'	8
8.5'	21	10.6'	7
9.0'	19	11.3'	7
9.5'	17	11.9'	6
10.0'	14	13.2'	5
11.0'	11	14.6'	4
12.0'	9	15.9'	3

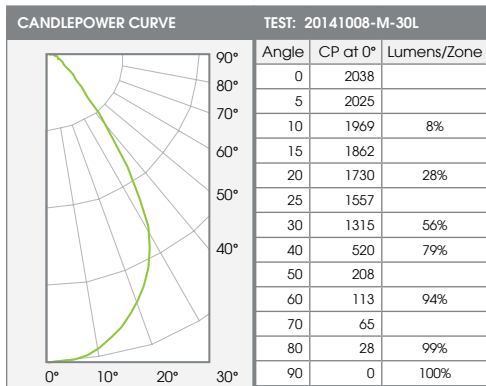
* From aperture to horizontal surface below.
** At IESNA defined Beam Angle, to 50% Max. CP.

MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT					
Ceiling Height	Fixture Spacing	RCR 2: Large Room		RCR 4: Medium Room	
		FC*	W/Sq. Ft.	FC*	W/Sq. Ft.
9'	5'	58	0.90	63	1.14
	6'	41	0.63	49	0.90
10'	5'	53	0.81	47	0.85
	6'	46	0.71	39	0.71
11'	6'	42	0.65	37	0.67
	7'	31	0.48	29	0.52
12'	7'	29	0.45	30	0.54
	8'	25	0.39	22	0.40

Delivered Illuminance Rating: (DIR) 64 FC per W/Sq. Ft. 55 FC per W/Sq. Ft.
*Average Footcandles at 2.5' above floor.

CCT: 3500° K CRI: 84 CCT Output Factors: 40K 103%, 30K 95%, 27K 89%

SGE6LEDOS30L35KE1-AR6223OSMWSO



Delivered Lumens: 2523
Luminaire Watts: 35.2
LER: 72

CP @ 0° (Nadir): 2038
Beam Angle: 67°
Spacing Ratio: 1.04

SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Height*	FC at Center	Diameter of Beam**	FC at Beam**
7.5'	36	9.9'	13
8.5'	32	10.6'	11
9.5'	28	11.3'	10
10.0'	25	11.9'	9
11.0'	20	13.2'	7
11.5'	17	14.6'	6
12.0'	14	15.9'	5
14.0'	10	18.5'	4

* From aperture to horizontal surface below.
** At IESNA defined Beam Angle, to 50% Max. CP.

MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT					
Ceiling Height	Fixture Spacing	RCR 2: Large Room		RCR 4: Medium Room	
		FC*	W/Sq. Ft.	FC*	W/Sq. Ft.
10'	5'	79	1.12	70	1.17
	6'	69	0.98	58	0.98
11'	6'	64	0.89	55	0.92
	7'	47	0.66	43	0.72
12'	7'	44	0.62	44	0.74
	8'	38	0.53	33	0.55
14'	7'	44	0.62	39	0.65
	8'	37	0.53	29	0.49

Delivered Illuminance Rating: (DIR) 70 FC per W/Sq. Ft. 59 FC per W/Sq. Ft.
*Average Footcandles at 2.5' above floor.

CCT: 3500° K CRI: 84 CCT Output Factors: 40K 103%, 30K 95%, 27K 89%