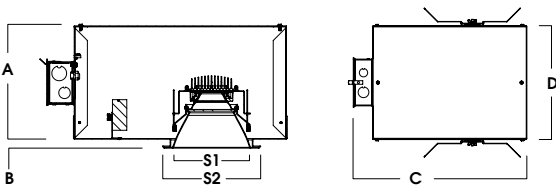
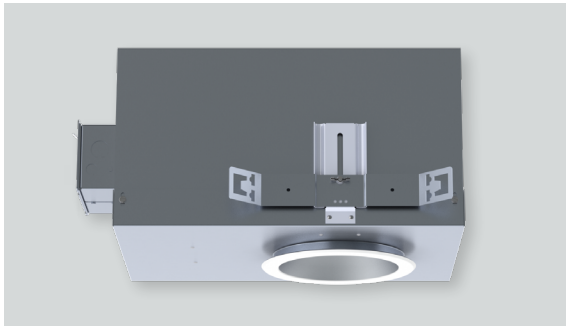
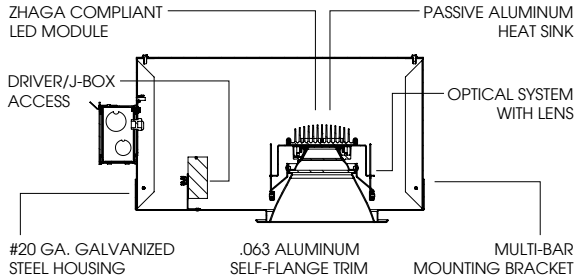


# 6" ROUND LED IC DOWNLIGHT

## OS SERIES / 3000 LUMENS MAX

recessed fixtures



A	B	C	D	S1	S2
8.7	.625	18.3	12.1	5.8	7.5
221.0 mm	15.9 mm	464.8 mm	307.3 mm	147.3 mm	190.5 mm

### SGICE6LEDOS - TRIM FLANGE / IC RATED

#### APPLICATION

6" LED Recessed open aperture downlight for Insulated Ceiling installations 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. Passive machined aluminum heatsink.

#### CODE COMPLIANCE

BAA Compliant. 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 / LUMENS DATA

PART NUMBER	SOURCE LUMENS <sup>1</sup>	DELIVERED LUMENS <sup>2</sup>	SYSTEM WATTS	LPW
SGICE6LEDOS10L	1100	878	11	80
SGICE6LEDOS15L	1500	1105	13	85
SGICE6LEDOS20L	2000	1864	20	93
SGICE6LEDOS30L	3000	2563	28	92

SERIES	LUMENS <sup>2</sup>	CCT	DRIVER / VOLTAGE <sup>3</sup>	OPTIONS <sup>4</sup>	TRIM	FINISH	TRIM OPTIONS		
SGICE6LEDOS	10L	1100 Lm	27K 2700K	E Electronic Driver	1 120V 2 277V	AR6223OS	MW <sup>6</sup> Matte White	SO <sup>11</sup> Micro Prism Solite™ Lens	
	15L	1500 Lm	30K 3000K	DS10_ 10%, 0-10V			H27 <sup>5</sup> 27" Solid Bars		MB Matte Black
	20L	2000 Lm	35K 3500K	DO10_ 1%, 0-10V	H12 12" - 24" Expandable Bars		SG Semi-Diffuse		GL Clear Glass Lens
	30L	3000 Lm	40K 4000K	DS2W1 1%, ELV/MLV, 120V	H06 6" - 12" Expandable Bars		HZ Haze Full Diffuse		FG Frosted Glass Lens
			DLTE1 1% Lutron® 2-Wire Forward Phase, 120V	CB24 24" C-Channel Bars	FS Fusing	PT Platinum Silver	GS Gasket		
			DL3E 1% Lutron® EcoSystem®, Fade	EB Black Housing	EB Black Housing	BZ Bronze	WL Wet Location		
			EL10_ 1%, eldoLED	CR Corrosion Resistant	OB Oil Rubbed Bronze	CH Charcoal	PF <sup>12</sup> Polished Flange		
			ED01_ 0.1%, eldoLED	PR <sup>2</sup> Deep Ceiling Extension	CH Charcoal	AS Anodic Sapphire	AMB Anti-Microbial Finish		
			DALI_ DALI Control	GR Goof Ring	AN Anodic Natural	AC Anodic Champagne			
				ZIG <sup>7</sup> ZigBee Module	AK Anodic Black	AM Anodic Malachite			
				BLU <sup>7</sup> Bluetooth LE	SN Sun Gold	CO Copper Metallic			
				EMRM <sup>8</sup> Remote EM Battery Pack	GH Graphite	CC <sup>10</sup> Custom Color			
				CCEA Chicago Ceiling Plenum Rated					
				AMB Anti-Microbial Finish					

EXAMPLE: SGICE6LEDOS20L35KE1/AR6223OSSGSO

NOTES:  
 1 Nominal Source Lumens at 35K 2 Nominal Delivered Lumens at 40K 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 EM Will Not be Accessible Through Fixture 9 Standard Finish 10 Contact Factory for Special Finishes 11 Standard Lens 12 Flange and Reflector Same Finish



PROJECT: \_\_\_\_\_  
 TYPE: \_\_\_\_\_



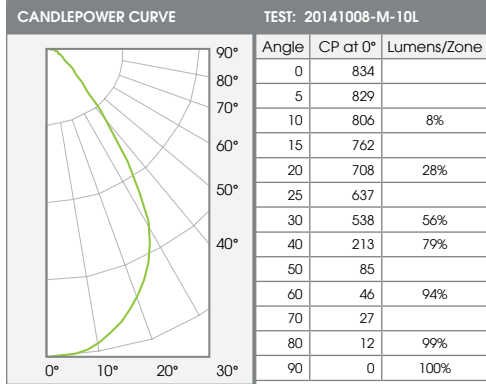
Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

# 6" ROUND LED IC DOWNLIGHT OS SERIES / PHOTOMETRIC DATA

recessed  
fixtures



## SGICE6LEDOS10L35KE1-AR6223OSMWSO



Delivered Lumens: 1033  
Luminaire Watts: 14.4  
LER: 72

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

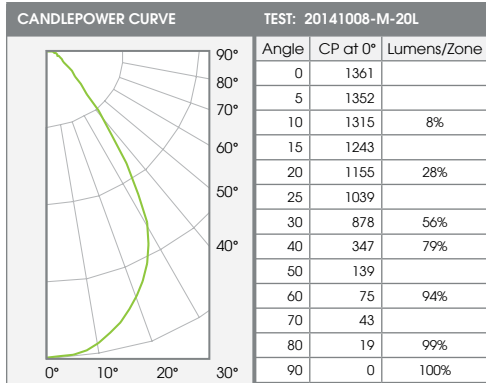
SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Height*	FC at Center	Diameter of Beam**	FC at Beam**
5.5'	28	7.3'	10
6.5'	20	8.6'	7
7.5'	15	9.9'	5
8.0'	13	10.6'	5
8.5'	12	11.3'	4
9.0'	10	11.9'	4
10.0'	8	13.2'	3
11.0'	7	14.6'	2

\* 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

## SGICE6LEDOS20L35KE1-AR6223OSMWSO



Delivered Lumens: 1685  
Luminaire Watts: 25.6  
LER: 66

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

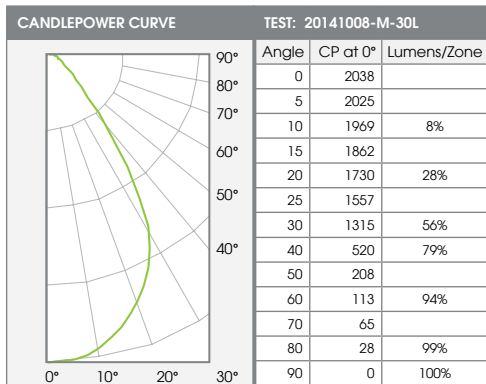
SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Height*	FC at Center	Diameter of Beam**	FC at Beam**
6.5'	32	8.6'	11
7.5'	24	9.9'	8
8.5'	21	10.6'	7
9.0'	19	11.3'	7
9.5'	17	11.9'	6
10.0'	14	13.2'	5
11.0'	11	14.6'	4
12.0'	9	15.9'	3

\* 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%

## SGICE6LEDOS30L35KE1-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%