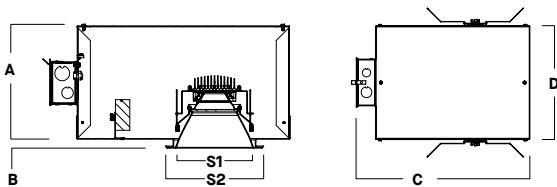
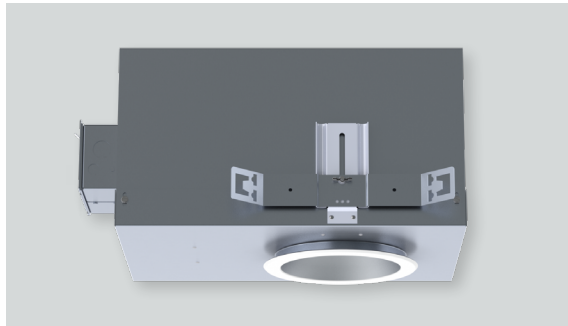
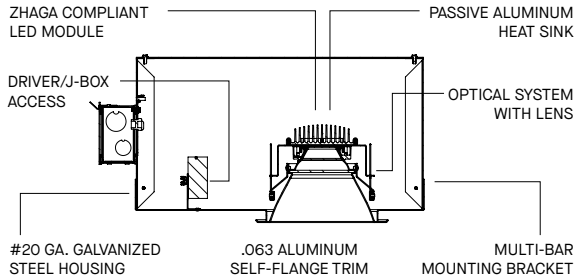


6" ROUND LED IC DOWNLIGHT

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 ¹	DELIVERED LUMENS ²	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 ²	CCT	DRIVER / VOLTAGE ³	OPTIONS ⁴	TRIM	FINISH	TRIM OPTIONS	
SGICE6LEDOS	10L	1100 Lm	27K 2700K	E_ Electronic Driver	1 120V 2 277V	AR6223OS	MW ⁹ Matte White	SO ¹¹ Micro Prism Solite™ Lens
	15L	1500 Lm	30K 3000K	DS10_ 10%, 0-10V			BH27 ⁵ 27" Solid Bars	MB Matte Black
	20L	2000 Lm	35K 3500K	DO10_ 1%, 0-10V	H12 12" - 24" Expandable Bars		HZ Haze Full Diffuse	FG Frosted Glass Lens
	30L	3000 Lm	40K 4000K	DS2W1 1%, ELV/MLV, 120V	HO6 6" - 12" Expandable Bars		PT Platinum Silver	GS Gasket
			DLTE1 1% Lutron® 2-Wire Forward Phase, 120V	CB24 24" C-Channel Bars	BZ Bronze	WL Wet Location		
			DL3E_ 1% Lutron® EcoSystem®, Fade	FS Fusing	OB Oil Rubbed Bronze	PF ¹² Polished Flange		
			EL10_ 1%, eldoLED	EB Black Housing	CH Charcoal	AMB Anti-Microbial Finish		
			ED01_ 0.1%, eldoLED	CR Corrosion Resistant	AS Anodic Sapphire			
			DALI_ DALI Control	PR ⁶ Deep Ceiling Extension	AN Anodic Natural			
				GR Goof Ring	AC Anodic Champagne			
				ZIG ⁷ ZigBee Module	AZ Anodic Bronze			
				BLU ⁸ Bluetooth LE	AK Anodic Black			
				EMRM ⁸ Remote EM Battery Pack	AM Anodic Malachite			
				AMB Anti-Microbial Finish	SN Sun Gold			
					CO Copper Metallic			
					GH Graphite			
					CC ¹⁰ Custom Color			

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 DS10/2 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: _____



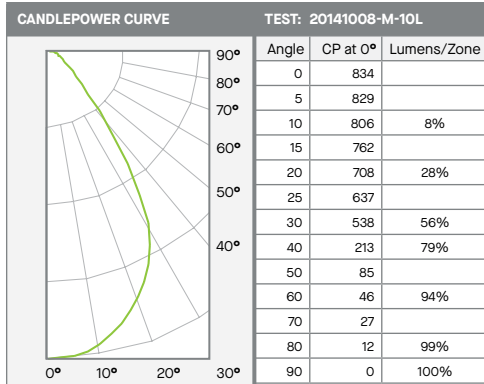
Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

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

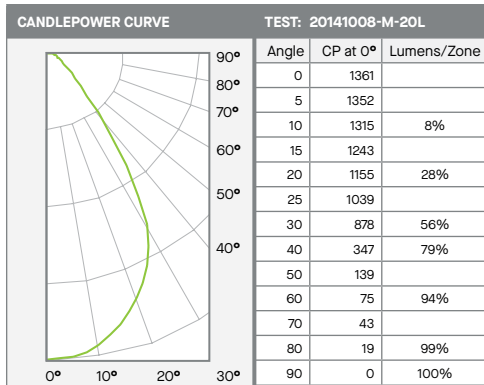
SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Height*	FC at Center	Diameter of Beam**	FC at Beam**
5.5'	28	7.3'	10
6.5'	20	8.6'	7
7.5'	15	9.9'	5
8.0'	13	10.6'	5
8.5'	12	11.3'	4
9.0'	10	11.9'	4
10.0'	8	13.2'	3
11.0'	7	14.6'	2

* 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

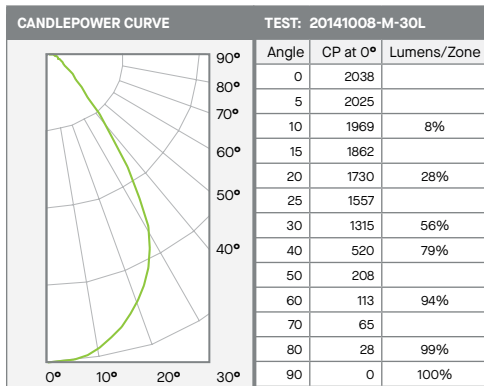
SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Height*	FC at Center	Diameter of Beam**	FC at Beam**
6.5'	32	8.6'	11
7.5'	24	9.9'	8
8.5'	21	10.6'	7
9.0'	19	11.3'	7
9.5'	17	11.9'	6
10.0'	14	13.2'	5
11.0'	11	14.6'	4
12.0'	9	15.9'	3

* 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)		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%