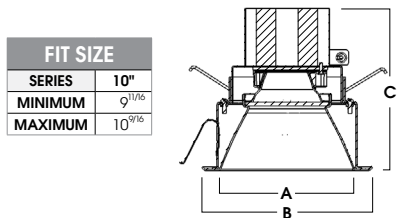
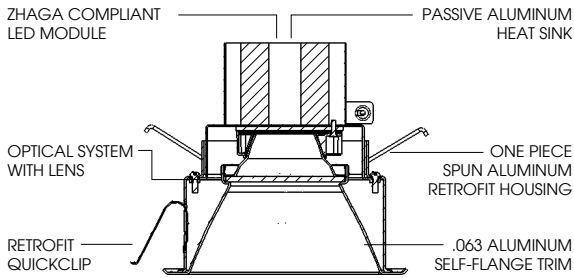


10" ROUND RETROFIT DOWNLIGHT

OS SERIES / 4500 LUMENS MAX



A	B	C
10.0 254.0 mm	11.3 287.0 mm	7.4 188.0 mm

Ceiling Cutout: Ø 9 3/16"

SGRTE10LEDOS - TRIM FLANGE / NON-IC RATED

APPLICATION

Round OS general illumination series LED downlight for retrofit or remodel applications.

FEATURES

One piece spun housing seals ceiling aperture preventing light leaks. Two-stage optical system for smooth light distribution. Zhaga International Standard LED module for ease of maintenance and replacement. Tool-less LED module, driver, and J-Box access. Posi-lock trim retention torsion springs. Includes set of three retrofit clips to accommodate most installations. Goof ring available for oversized or damaged ceiling installations. Fixture will work in up to 1" thick ceiling¹.

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 .060 aluminum and powdercoat white 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. Non-IC rated. ETL listed for 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 ²	DELIVERED LUMENS ³	SYSTEM WATTS	LPW
SGRTE10LEDOS10L	SGRTE10LEDOS14W	1100	860	11	78
SGRTE10LEDOS15L	N/A	1500	1066	13	82
SGRTE10LEDOS20L	SGRTE10LEDOS25W	2000	1826	20	91
SGRTE10LEDOS30L	SGRTE10LEDOS35W	3000	2510	28	90
SGRTE10LEDOS45L	N/A	4500	3714	41	91

SERIES	LUMENS ²		CCT		DRIVER / VOLTAGE ⁴		OPTIONS ⁵		TRIM	FINISH		TRIM OPTIONS			
SGRTE10LEDOS	10L	1100 Lm	27K	2700K	E_	Electronic Driver	1	120V	FS	Fusing	AR1023OS	MW ⁸	Matte White	SO ¹⁰	Micro Prism
	15L	1500 Lm	30K	3000K	DS10_	10%, 0-10V	2	277V	CR	Corrosion Resistant		MB	Matte Black		Solite™ Lens
	20L	2000 Lm	35K	3500K	DO10_	1%, 0-10V			GR	Goof Ring		SG	Semi-Diffuse	GL	Clear Glass Lens
	30L	3000 Lm	40K	4000K	DS2W1	1%, ELV/MLV, 120V			WP12	12" Whip		PT	Platinum Silver	FG	Frosted Glass Lens
	45L	4500 Lm			DLTE1	1% Lutron® 2-Wire Forward Phase, 120V			WP24	24" Whip		BZ	Bronze	GS	Gasket for Flange
									WP36	36" Whip	OB	Oil Rubbed Bronze	WL	Wet Location	
									ZIG ⁶	ZigBee Module	CH	Charcoal	PF ¹¹	Polished Flange	
					DL3E_	1% Lutron® EcoSystem®, Fade			BLU ⁶	Bluetooth LE	AS	Anodic Sapphire	AMB	Anti-Microbial	
					EL10_	1%, eldoLED			EM ⁷	7W Emergency Battery Test	AN	Anodic Natural	Finish		
					ED01_	0.1%, eldoLED				Switch Remote	AC	Anodic Champagne			
					DALI_	DALI Control			AMB	Anti-Microbial Finish	AM	Anodic Malachite			
											CO	Copper Metallic			
											GH	Graphite			
											CC ⁹	Custom Color			

EXAMPLE: SGRTE10LEDOS20L35KE1/AR1023OSMWSO

NOTES:
¹ Consult Factory for Thicker Ceiling ² Nominal Source Lumens at 35K ³ Nominal Delivered Lumens at 35K with MW-SO ⁴ Contact Factory for Additional Options ⁵ See Product Options Page for Details
⁶ Order DS101/2 When Specifying ZIG or BLU ⁷ Standard EM ⁸ Standard Finish ⁹ Contact Factory for Special Colors ¹⁰ Standard Lens ¹¹ 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.

10" ROUND DOWNLIGHT

OS SERIES / PHOTOMETRIC DATA

retrofits
remodelights



SGRTE10LEDOS 45L 35K XX AR1023OS MW SO

CANDLEPOWER CURVE TEST SP-00690_4	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE DIRECT FOOTCANDLES BASED ON DOWNLIGHT ONLY				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT									
	0°	0° - 10°	224	5%	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4			
	0°	0° - 20°	860	20%	5.5' - 77 fc	5.6' - 13 fc	9'	6'	FC *	W/Sq. Ft.	FC *	W/Sq. Ft.				
	5°	0° - 30°	1829	42%	6.5' - 55 fc	6.6' - 9 fc	12'	8'	66	0.64	55	0.64				
	15°	0° - 40°	2930	68%	7.5' - 41 fc	7.6' - 7 fc	16'	10'	33	0.32	27	0.32				
	25°	0° - 60°	4198	97%	8.5' - 32 fc	8.6' - 6 fc	Delivered Illuminance Rating: (DIR)		104 FC per W/Sq. Ft.		86 FC per W/Sq. Ft.					
	35°	0° - 80°	4295	100%	10.0' - 23 fc	10.2' - 4 fc										
	45°	0° - 90°	4302	100%	12.0' - 16 fc	12.2' - 3 fc	Recessed mounting Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 2.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 2.5' x 2.50 + Average Footcandles at 2.5' Above Floor									
	55°	Total	4313	100%	14.0' - 12 fc	14.2' - 2 fc										
	90°				16.0' - 9 fc	16.3' - 2 fc										

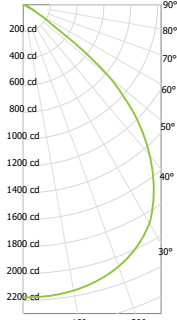
Delivered Lumens: 4313
Luminaire Watts: 40
LER: 107.83

CP at 0° (Nadir): 2320
CRI: 80+

Beam Angle: 91°
Spacing Ratio: 1.25

Lumen Multiplier: 10L x 0.23, 15L x 0.32, 20L x 0.42, 30L x 0.6
CCT Multiplier: 27K x 0.96, 30K x 0.99, 40K x 1.03

SGRTE10LEDOS 45L 35K XX AR1023OS MW GL

CANDLEPOWER CURVE TEST SP-00690_3	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE DIRECT FOOTCANDLES BASED ON DOWNLIGHT ONLY				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT								
	0°	0° - 10°	210	5%	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		
	0°	2176	0° - 20°	807	20%							FC *	W/Sq. Ft.	FC *	W/Sq. Ft.
	5°	2174	0° - 30°	1719	42%	5.5'	72 fc	5.8'	12 fc	9'	6'	93	0.95	111	1.36
	15°	2127	0° - 40°	2760	67%	6.5'	52 fc	6.8'	8 fc	12'	8'	63	0.64	52	0.64
	25°	1991	0° - 60°	4006	98%	7.5'	39 fc	7.9'	6 fc	16'	10'	31	0.32	26	0.32
	35°	1693	0° - 80°	4090	100%	8.5'	30 fc	8.9'	5 fc	Delivered Illuminance Rating: (DIR)					
	45°	1191	0° - 90°	4096	100%	10.0'	22 fc	10.5'	4 fc						
	55°	287	Total	4107	100%	12.0'	15 fc	12.6'	2 fc	Recessed mounting Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 2.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 2.5' x 2.50 + Average Footcandles at 2.5' Above Floor					
	90°	1				14.0'	11 fc	14.7'	2 fc						
						16.0'	9 fc	16.8'	1 fc						

Delivered Lumens: 4107
Luminaire Watts: 40
LER: 102.68

CP at 0° (Nadir): 2176
CRI: 80+

Beam Angle: 93°
Spacing Ratio: 1.26

Lumen Multiplier: 10L x 0.23, 15L x 0.32, 20L x 0.42, 30L x 0.6
CCT Multiplier: 27K x 0.96, 30K x 0.99, 40K x 1.03

SGRTE10LEDOS 45L 35K XX AR1023OS MW FG

CANDLEPOWER CURVE TEST SP-00690_2	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE DIRECT FOOTCANDLES BASED ON DOWNLIGHT ONLY				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT								
	0°	0° - 10°	188	5%		Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4	
	0°	0° - 20°	710	19%		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.						
	5°	0° - 30°	1481	39%		9'	6'	84	0.95	100	1.36				
	15°	0° - 40°	2350	63%		12'	8'	57	0.64	47	0.64				
	25°	0° - 60°	3579	95%		16'	10'	28	0.32	23	0.32				
	35°	0° - 80°	3733	99%		Delivered Illuminance Rating: (DIR)		89 FC per W/Sq. Ft.		73 FC per W/Sq. Ft.					
	45°	0° - 90°	3742	100%		Recessed mounting Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 2.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 2.5' x 2.50 * Average Footcandles at 2.5' Above Floor									
	55°	Total	3754	100%											
	90°														

Delivered Lumens: 3754
Luminaire Watts: 40
LER: 93.85

CP at 0° (Nadir): 1960
CRI: 80+

Beam Angle: 92°
Spacing Ratio: 1.18

Lumen Multiplier: 10L x 0.23, 15L x 0.32, 20L x 0.42, 30L x 0.6
CCT Multiplier: 27K x 0.96, 30K x 0.99, 40K x 1.03