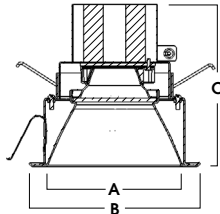


FIT SIZE	
SERIES	9"
MINIMUM	8 <sup>11/16</sup>
MAXIMUM	9 <sup>7/16</sup>



A	B	C
9.0	10.1	7.4
228.6 mm	256.5 mm	188.0 mm

Ceiling Cutout: Ø 8<sup>3/4"</sup>

### SGRTE9FX - TRIM FLANGE / NON-IC RATED

#### APPLICATIONS

FX series 9" diameter retrofit downlight series. Designed for general downlighting with smooth light distribution.

#### FEATURES

One piece spun housing seals ceiling aperture preventing light leaks. Wide range of apertures. Companion new construction fixtures available. Auto dim thermal protector for long term reliability. Zhaga international standard LED module for ease of maintenance and future replacement. Tool-less LED module and driver access. 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 ceiling<sup>1</sup>.

#### TRIM FINISH

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

#### ELECTRONICS

LED system features high efficacy PHILIPS LEDs. Standard CRI is >80. Drivers are overload and short circuit protected as well as thermally regulated. Sound rating A. L70 at >60,000 hours.

#### CONSTRUCTION

Housing constructed of .060" aluminum and powdercoated white to resist corrosion. Self-flanged one piece trim spun from 0.060" thick high purity aluminum and finished to specification. Passive machined aluminum heatsink.

#### CODE COMPLIANCE

ENERGY STAR<sup>®</sup> Certified when used with SG or MW trims only. BAA Compliant. Non-IC rated. ETL certified to meet US and Canadian standards. Suitable for dry or damp locations. Optional Wet location listed trim. LM79/LM80 data available. Manufactured and tested to UL standards No. 1598/8750.

#### RATED LIFE

Rated for 60,000 Hours at 70% lumen maintenance. (L70)

LUMENS / WATTAGE DATA				
PART NUMBER	SOURCE LUMENS <sup>2</sup>	DELIVERED LUMENS <sup>3</sup>	SYSTEM WATTS	LPW
SGRTE9FX10L	1000	831	9.2	90
SGRTE9FX15L	1500	1285	13.1	98
SGRTE9FX20L	2000	1713	17	101
SGRTE9FX30L	3000	2519	25	101
SGRTE9FX40L	4000	3400	34.6	98

SERIES	LUMENS <sup>2</sup>	CCT	DRIVER / VOLTAGE <sup>4</sup>	OPTIONS <sup>5</sup>	TRIM	FINISH	TRIM OPTIONS
SGRTE9FX	10L 1000 Lm	27K 2700K	DX 1%, 0-10V, 120V/277V	<b>EM</b> Integral Emergency Battery <b>EMRM<sup>6</sup></b> Remote Emergency Battery Pack <b>FS</b> Fusing <b>CR</b> Corrosion Resistant	AR9223FX	<b>MW</b> Matte White <b>MB</b> Matte Black <b>SG</b> Semi-Diffuse <b>PT</b> Platinum Silver <b>CC<sup>7</sup></b> Custom Color	<b>WF</b> White Flange <b>MF<sup>8</sup></b> Matching Flange <b>SO<sup>9</sup></b> Micro Prism Solite™ Lens <b>SOW</b> Micro Prism Solite™ Lens Wet Location
	15L 1500 Lm	30K 3000K					
	20L 2000 Lm	35K 3500K					
	30L 3000 Lm	40K 4000K					
	40L 4000 Lm						

**EXAMPLE:** SGRTE9FX30L30KDX/AR9223FXMWMF50

**NOTES:**  
 1 Consult Factory for Thicker Ceiling 2 Nominal Source Lumens at 35K 3 Nominal Delivered Lumens at 35K with MW-SO Trim 4 Contact Factory for Additional Options 5 See Product Options Page For Details  
 6 Installer Responsible for EM Access 7 Contact Factory for Special Finishes 8 Flange Same Color as Inside of Trim 9 Standard Lens



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.

# 9" ROUND DOWNLIGHT FX SERIES / PHOTOMETRIC DATA

retrofits  
remodelights



## SGx9LEDFX-40L35KDX-AR9223FX-MW-SO

CANDLEPOWER CURVE TEST SP-00747_M-40L	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									
			Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4					
	0°	2031	0° - 10°	195	6%	6.5'	48 fc	11.8'	10 fc	12'	8'	52	0.55	44	0.55	
	5°	2029	0° - 20°	740	22%	7.5'	36 fc	13.6'	7 fc	16'	10'	26	0.27	22	0.27	
	15°	1935	0° - 30°	1545	45%	8.5'	28 fc	15.4'	6 fc	20'	12'	21	0.22	13	0.16	
	25°	1756	0° - 40°	2413	71%	10.0'	20 fc	18.1'	4 fc	Delivered Illuminance Rating: (DIR)		95 FC per W/Sq. Ft.		79 FC per W/Sq. Ft.		
	35°	1405	0° - 60°	3311	97%	12.0'	14 fc	21.7'	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						
	45°	842	0° - 80°	3397	100%	14.0'	10 fc	25.3'	2 fc							
	55°	266	0° - 90°	3400	100%	16.0'	8 fc	29.0'	2 fc							
	90°	1	Total	3400	100%	20.0'	5 fc	36.2'	1 fc							
											Lumen Multiplier: 10L x 0.25, 15L x 0.38, 20L x 0.50, 30L x 0.74					
											CCT Multiplier: 27K x 0.95, 30K x 1.0, 40K x 1.08					

Delivered Lumens: 3400  
Luminaire Watts: 34.6  
LER: 98.27

CP at 0° (Nadir): 2031  
CRI: 80+

Beam Angle: 84°  
Spacing Ratio: 1.18

## SGx9LEDFX-40L35KDX-AR9223FX-SG-SO

CANDLEPOWER CURVE TEST SP-00747_1_M-40L	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									
			Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4					
	0°	2116	0° - 10°	204	6%	6.5'	50 fc	11.4'	11 fc	12'	8'	53	0.55	45	0.55	
	5°	2113	0° - 20°	785	23%	7.5'	38 fc	13.2'	8 fc	16'	10'	26	0.27	22	0.27	
	15°	2059	0° - 30°	1646	48%	8.5'	29 fc	15.0'	6 fc	20'	12'	21	0.22	13	0.16	
	25°	1882	0° - 40°	2543	74%	10.0'	21 fc	17.6'	4 fc	Delivered Illuminance Rating: (DIR)		97 FC per W/Sq. Ft.		81 FC per W/Sq. Ft.		
	35°	1449	0° - 60°	3382	99%	12.0'	15 fc	21.1'	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						
	45°	814	0° - 80°	3426	100%	14.0'	11 fc	24.7'	2 fc							
	55°	230	0° - 90°	3428	100%	16.0'	8 fc	28.2'	2 fc							
	90°	1	Total	3428	100%	20.0'	5 fc	35.2'	1 fc							
											Lumen Multiplier: 10L x 0.25, 15L x 0.38, 20L x 0.50, 30L x 0.74					
											CCT Multiplier: 27K x 0.95, 30K x 1.0, 40K x 1.08					

Delivered Lumens: 3428  
Luminaire Watts: 34.6  
LER: 99.08

CP at 0° (Nadir): 2116  
CRI: 80+

Beam Angle: 83°  
Spacing Ratio: 1.19