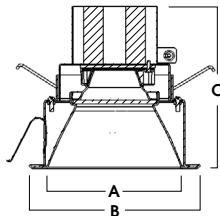


FIT SIZE	
SERIES	9"
MINIMUM	8 <sup>11/16</sup>
MAXIMUM	9 <sup>7/16</sup>



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	90
SGRTE9FX15L	1500	1285	13	98
SGRTE9FX20L	2000	1713	17	101
SGRTE9FX30L	3000	2519	25	101
SGRTE9FX40L	4000	3400	35	98

SERIES	LUMENS <sup>2</sup>	CCT	DRIVER / VOLTAGE <sup>4</sup>	OPTIONS <sup>5</sup>	TRIM	FINISH	TRIM OPTIONS		
SGRTE9FX	10L	1000 Lm	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						27K	2700K
	20L	2000 Lm						30K	3000K
	30L	3000 Lm						35K	3500K
	40L	4000 Lm						40K	4000K

**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



SGx9LEDFX-40L35KDX-AR9223FX-MW-SO

CANDLEPOWER CURVE	INTENSITY	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES BASED ON IES BEAM ANGLE				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				
	0.00°														
	0.00°	2,031	0° - 10°	195	6%	5.5'	67 fc	10.0'	31 fc	9'	6'	79	0.82	95	1.18
	5.00°	2,029	0° - 20°	740	22%	6.5'	48 fc	11.8'	22 fc	12'	8'	53	0.55	44	0.55
	10.00°	1,993	0° - 30°	1,545	45%	7.5'	36 fc	13.6'	17 fc	16'	12'	18	0.19	22	0.27
	15.00°	1,935	0° - 40°	2,413	71%	8.5'	28 fc	15.4'	13 fc	Delivered Illuminance Rating: (DIR)		97 FC per W/Sq. Ft.		80 FC per W/Sq. Ft.	
	20.00°	1,858	0° - 60°	3,311	97%	10.0'	20 fc	18.1'	9 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					
	30.00°	1,611	0° - 80°	3,397	100%	12.0'	14 fc	21.7'	6 fc						
	40.00°	1,141	0° - 90°	3,400	100%	14.0'	10 fc	25.3'	5 fc						
	50.00°	526	Total	3,400	100%	16.0'	8 fc	29.0'	4 fc						
	60.00°	140													
	70.00°	25													
	80.00°	6													
	90.00°	1													

Delivered Lumens: **3,400**  
Luminaire Watts: **34.6**  
LER: **98.27**

CP at 0deg (Nadir): **2,031**  
CRI: **80+**

Beam Angle: **84.31**  
Spacing Ratio: **1.18**

Lumen Multiplier: 10L x 0.33, 15L x 0.51, 20L x 0.68, 30L x 1.0, 40L x 1.35  
CCT Multiplier: 27K x 0.95, 30K x 1.0, 40K x 1.08

SGx9LEDFX-40L35KDX-AR9223FX-SG-SO

CANDLEPOWER CURVE	INTENSITY	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES BASED ON IES BEAM ANGLE				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				
	0.00°														
	0.00°	2,116	0° - 10°	204	6%	5.5'	70 fc	9.7'	33 fc	9'	6'	80	0.82	97	1.18
	5.00°	2,113	0° - 20°	785	23%	6.5'	50 fc	11.4'	23 fc	12'	8'	54	0.55	45	0.55
	10.00°	2,098	0° - 30°	1,646	48%	7.5'	38 fc	13.2'	17 fc	16'	12'	19	0.19	22	0.27
	15.00°	2,059	0° - 40°	2,543	74%	8.5'	29 fc	15.0'	14 fc	Delivered Illuminance Rating: (DIR)		98 FC per W/Sq. Ft.		82 FC per W/Sq. Ft.	
	20.00°	1,993	0° - 60°	3,382	99%	10.0'	21 fc	17.6'	10 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					
	30.00°	1,702	0° - 80°	3,426	100%	12.0'	15 fc	21.1'	7 fc						
	40.00°	1,146	0° - 90°	3,428	100%	14.0'	11 fc	24.7'	5 fc						
	50.00°	480	Total	3,428	100%	16.0'	8 fc	28.2'	4 fc						
	60.00°	104													
	70.00°	6													
	80.00°	1													
	90.00°	1													

Delivered Lumens: **3,428**  
Luminaire Watts: **34.6**  
LER: **99.08**

CP at 0deg (Nadir): **2,116**  
CRI: **80+**

Beam Angle: **82.72**  
Spacing Ratio: **1.19**

Lumen Multiplier: 10L x 0.33, 15L x 0.51, 20L x 0.68, 30L x 1.0, 40L x 1.35  
CCT Multiplier: 27K x 0.95, 30K x 1.0, 40K x 1.08