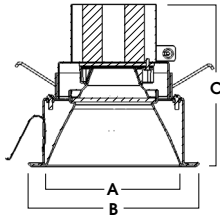


FIT SIZE	
SERIES	8"
MINIMUM	7 <sup>3/4</sup>
MAXIMUM	8 <sup>7/16</sup>



A	B	C
8.0	9.1	7.4
203.2 mm	231.1 mm	188.0 mm

Ceiling Cutout: Ø 7<sup>7/8</sup>"

### SGRTE8FX - TRIM FLANGE / NON-IC RATED

#### QUICK SHIP

Quick Ship highlights products that can ship in 3 - 5 working days.

#### APPLICATIONS

FX series 8" 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® 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
SGRTE8FX10L	1000	842	9.2	92
SGRTE8FX15L	1500	1302	13.1	99
SGRTE8FX20L	2000	1736	17	102
SGRTE8FX30L	3000	2552	25	102
SGRTE8FX40L	4000	3446	34.6	100

SERIES	LUMENS <sup>2</sup>	CCT	DRIVER / VOLTAGE <sup>4</sup>	OPTIONS <sup>5</sup>	TRIM	FINISH	TRIM OPTIONS
SGRTE8FX	10L 1000 Lm	27HK 2700K	DX 1%, 0-10V, 120V/277V	EM Integral Emergency Battery EMRM <sup>6</sup> Remote Emergency Battery Pack FS Fusing CR Corrosion Resistant	AR8223FX	MW Matte White MB Matte Black SG Semi-Diffuse PT Platinum Silver CC <sup>7</sup> Custom Color	WF White Flange MF <sup>8</sup> Matching Flange SO <sup>9</sup> Micro Prism Solite™ Lens SOW Micro Prism Solite™ Lens Wet Location
	15L 1500 Lm						
	20L 2000 Lm						
	30L 3000 Lm						
	40L 4000 Lm						

#### QUICK SHIP

EXAMPLE: SGRTE8FX30L30KDX/AR8223FXMWMF50

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.

# 8" ROUND DOWNLIGHT FX SERIES / PHOTOMETRIC DATA



SGRTE8FX-40L35KDX-AR8223FX-MW-SO

CANDLEPOWER CURVE TEST SP-00746_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°	2109	0° - 10°	203	6%	6.5'	50 fc	11.5'	11 fc	12'	8'	53	0.55	45	0.55
	0°	2109	0° - 20°	773	22%	7.5'	38 fc	13.3'	8 fc	16'	10'	26	0.27	22	0.27
	5°	2102	0° - 30°	1628	47%	8.5'	29 fc	15.0'	6 fc	20'	12'	21	0.22	13	0.16
	15°	2022	0° - 40°	2548	74%	10.0'	21 fc	17.7'	4 fc	Delivered Illuminance Rating: (DIR)		97 FC per W/Sq. Ft.		81 FC per W/Sq. Ft.	
	25°	1869	0° - 60°	3342	97%	12.0'	15 fc	21.2'	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					
	35°	1500	0° - 80°	3441	100%	14.0'	11 fc	24.7'	2 fc						
	45°	751	0° - 90°	3446	100%	16.0'	8 fc	28.3'	2 fc						
	55°	214	Total	3446	100%	20.0'	5 fc	35.3'	1 fc						
	90°	1													

Delivered Lumens: 3446  
Luminaire Watts: 34.6  
LER: 99.60

CP at 0° (Nadir): 2109  
CRI: 80+

Beam Angle: 83°  
Spacing Ratio: 1.20

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

SGRTE8FX-40L35KDX-AR8223FX-SG-SO

CANDLEPOWER CURVE TEST SP-00746_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°	2607	0° - 10°	246	8%	6.5'	62 fc	9.4'	17 fc	12'	8'	51	0.55	44	0.55
	0°	2607	0° - 20°	906	28%	7.5'	46 fc	10.8'	13 fc	16'	10'	35	0.37	22	0.27
	5°	2574	0° - 30°	1809	55%	8.5'	36 fc	12.2'	10 fc	20'	12'	21	0.22	13	0.16
	15°	2352	0° - 40°	2671	82%	10.0'	26 fc	14.4'	7 fc	Delivered Illuminance Rating: (DIR)		93 FC per W/Sq. Ft.		80 FC per W/Sq. Ft.	
	25°	1958	0° - 60°	3246	99%	12.0'	18 fc	17.3'	5 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					
	35°	1341	0° - 80°	3263	100%	14.0'	13 fc	20.2'	4 fc						
	45°	511	0° - 90°	3265	100%	16.0'	10 fc	23.1'	3 fc						
	55°	95	Total	3265	100%	20.0'	7 fc	28.8'	2 fc						
	90°	1													

Delivered Lumens: 3265  
Luminaire Watts: 34.6  
LER: 94.36

CP at 0° (Nadir): 2607  
CRI: 80+

Beam Angle: 73°  
Spacing Ratio: 1.02

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