



SGRTE4FX - TRIM FLANGE / NON-IC RATED

APPLICATIONS

FX series 4" 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 ceiling¹.

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

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.

LUMENS / WATTAGE DATA				
PART NUMBER	SOURCE LUMENS ²	DELIVERED LUMENS ³	SYSTEM WATTS	LPW
SGRTE4FX10L	1000	603	9	66
SGRTE4FX15L	1500	932	13	71
SGRTE4FX20L	2000	1242	17	73
SGRTE4FX30L	3000	1827	25	73
SGRTE4FX40L	4000	2466	35	71

SERIES	LUMENS ²	CCT	DRIVER / VOLTAGE ⁴	OPTIONS ⁵	TRIM	FINISH	TRIM OPTIONS	
SGRTE4FX	10L	1000 Lm	DX 1%, 0-10V, 120V/277V	EM Integral Emergency Battery EMRM⁶ Remote Emergency Battery Pack FS Fusing CR Corrosion Resistant	AR4223FX	MW Matte White MB Matte Black SG Semi-Diffuse PT Platinum Silver CC⁷ Custom Color	WF White Flange MF⁸ Matching Flange SO⁹ Micro Prism Solite™ Lens SOW 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: SGRTE4FX30L30KDX/AR4223FXMWMF50

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 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.

4" ROUND DOWNLIGHT

FX SERIES / PHOTOMETRIC DATA

retrofits
remodelights



SGx4LEDFX-40L35KDX-AR4223FX-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° - 10°	227	9%	5.5'	80 fc	6.1'	40 fc	9'	4'	149	2.10	127	2.10	
	0.00°	2,425	0° - 20°	808	33%	6.5'	57 fc	7.2'	28 fc	12'	6'	70	0.98	59	0.98	
	5.00°	2,379	0° - 30°	1,490	60%	7.5'	43 fc	8.3'	21 fc	16'	10'	26	0.37	17	0.27	
	10.00°	2,263	0° - 40°	1,960	79%	8.5'	34 fc	9.4'	17 fc	Delivered Illuminance Rating: (DIR)		71 FC per W/Sq. Ft.		60 FC per W/Sq. Ft.		
	15.00°	2,079	0° - 60°	2,342	95%	10.0'	24 fc	11.0'	12 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						
	20.00°	1,834	0° - 80°	2,459	100%	12.0'	17 fc	13.2'	8 fc							
	30.00°	1,121	0° - 90°	2,466	100%	14.0'	12 fc	15.4'	6 fc							
	40.00°	466	Total	2,466	100%	16.0'	9 fc	17.6'	5 fc							
	50.00°	215														
	60.00°	118														
	70.00°	54														
	80.00°	17														
	90.00°	1														

Delivered Lumens: **2,466**
Luminaire Watts: **34.6**
LER: **71.27**

CP at 0deg (Nadir): **2,425**
CRI: **80+**

Beam Angle: **57.63**
Spacing Ratio: **0.88**

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

SGx4LEDFX-40L35KDX-AR4223FX-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 3		RCR 5					
	0.00°		0° - 10°	311	12%	5.5'	113 fc	4.9'	56 fc	9'	4'	127	1.85	111	1.84	
	0.00°	3,417	0° - 20°	1,023	41%	6.5'	81 fc	5.8'	40 fc	12'	4'	153	2.21	93	1.53	
	5.00°	3,300	0° - 30°	1,760	70%	7.5'	61 fc	6.7'	30 fc	16'	6'	58	0.84	46	0.76	
	10.00°	2,992	0° - 40°	2,237	89%	8.5'	47 fc	7.6'	24 fc	Delivered Illuminance Rating: (DIR)		69 FC per W/Sq. Ft.		60 FC per W/Sq. Ft.		
	15.00°	2,537	0° - 60°	2,487	99%	10.0'	34 fc	9.0'	17 fc	Recessed Mounting Square rooms used for multiple units: - RCR 3: Length & Width = Ceiling Ht. -2.5' x 3.33 - RCR 5: Length & Width = Ceiling Ht. -2.5' x 2.00 * Average Footcandles at 2.5' Above Floor						
	20.00°	2,058	0° - 80°	2,501	100%	12.0'	24 fc	10.8'	12 fc							
	30.00°	1,149	0° - 90°	2,501	100%	14.0'	17 fc	12.6'	9 fc							
	40.00°	423	Total	2,501	100%	16.0'	13 fc	14.4'	7 fc							
	50.00°	121														
	60.00°	30														
	70.00°	2														
	80.00°	1														
	90.00°	1														

Delivered Lumens: **2,501**
Luminaire Watts: **34.6**
LER: **72.28**

CP at 0deg (Nadir): **3,417**
CRI: **80+**

Beam Angle: **48.06**
Spacing Ratio: **0.72**

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