

SGRTE4FX - TRIM FLANGE / NON-IC RATED

QUICK SHIP

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

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.

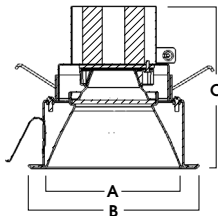
CONSTRUCTION

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.

FIT SIZE	
SERIES	4"
MINIMUM	4" ^{7B}
MAXIMUM	4" ^{7B}



A	B	C
4.0	5.4	6.2
101.6 mm	137.2 mm	157.5 mm

Ceiling Cutout: Ø 4 ^{5/8}"

LUMENS / WATTAGE DATA				
PART NUMBER	SOURCE LUMENS ²	DELIVERED LUMENS ³	SYSTEM WATTS	LPW
SGRTE4FX10L	1000	603	9.2	66
SGRTE4FX15L	1500	932	13.1	71
SGRTE4FX20L	2000	1242	17	73
SGRTE4FX30L	3000	1827	25	73
SGRTE4FX40L	4000	2466	34.6	71

SERIES	LUMENS ²	CCT	DRIVER / VOLTAGE ⁴	OPTIONS ⁵	TRIM	FINISH	TRIM OPTIONS				
SGRTE4FX	10L	1000 Lm	27HK 2700K	DX 1%, 0-10V, 120V/277V	EM Integral Emergency Battery	AR4223FX	MW Matte White	WF White Flange			
	15L	1500 Lm							EMRM ⁶ Remote Emergency Battery Pack	MB Matte Black	MF ⁷ Matching Flange
	20L	2000 Lm							FS Fusing	SG Semi-Diffuse	SO ⁸ Micro Prism Solite™ Lens
	30L	3000 Lm							CR Corrosion Resistant	PT Platinum Silver	SOW Micro Prism Solite™ Lens Wet Location
	40L	4000 Lm								CC ⁷ Custom Color	

QUICK SHIP

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 TEST SP-00744_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							
	0°		0° - 10°	227	9%	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4	
	0°	2425	0° - 20°	808	33%	5.5'	80 fc	6.1'	27 fc	9'	4'	FC +	W/Sq. Ft.	FC +	W/Sq. Ft.
	5°	2379	0° - 30°	1490	60%	6.5'	57 fc	7.2'	19 fc	12'	6'	68	0.98	58	0.98
	15°	2079	0° - 40°	1960	79%	7.5'	43 fc	8.3'	14 fc	16'	8'	34	0.49	29	0.49
	25°	1508	0° - 60°	2342	95%	8.5'	34 fc	9.4'	11 fc	Delivered Illuminance Rating: (DIR)					
	35°	752	0° - 80°	2459	100%	10.0'	24 fc	11.0'	8 fc	70 FC per W/Sq. Ft. 60 FC per W/Sq. Ft.					
	45°	299	0° - 90°	2466	100%	12.0'	17 fc	13.2'	6 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°	160	Total	2466	100%	14.0'	12 fc	15.4'	4 fc						
	90°	1				16.0'	9 fc	17.6'	3 fc						

Delivered Lumens: 2466
Luminaire Watts: 34.6
LER: 71.27

CP at 0° (Nadir): 2425
CRI: 80+

Beam Angle: 58°
Spacing Ratio: 0.88

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

SGx4LEDFX-40L35KDX-AR4223FX-SG-SO

CANDLEPOWER CURVE TEST SP-00744_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							
	0°		0° - 10°	311	12%	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 3		RCR 5	
	0°	3417	0° - 20°	1023	41%	5.5'	113 fc	4.9'	43 fc	9'	4'	FC +	W/Sq. Ft.	FC +	W/Sq. Ft.
	5°	3300	0° - 30°	1760	70%	6.5'	81 fc	5.8'	31 fc	12'	6'	59	0.86	52	0.86
	15°	2537	0° - 40°	2237	89%	7.5'	61 fc	6.7'	23 fc	16'	8'	42	0.62	26	0.43
	25°	1594	0° - 60°	2487	99%	8.5'	47 fc	7.6'	18 fc	Delivered Illuminance Rating: (DIR)					
	35°	742	0° - 80°	2500	100%	10.0'	34 fc	9.0'	13 fc	68 FC per W/Sq. Ft. 60 FC per W/Sq. Ft.					
	45°	228	0° - 90°	2501	100%	12.0'	24 fc	10.8'	9 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					
	55°	63	Total	2501	100%	14.0'	17 fc	12.6'	7 fc						
	90°	1				16.0'	13 fc	14.4'	5 fc						

Delivered Lumens: 2501
Luminaire Watts: 34.6
LER: 72.28

CP at 0° (Nadir): 3417
CRI: 80+

Beam Angle: 48°
Spacing Ratio: 0.72

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