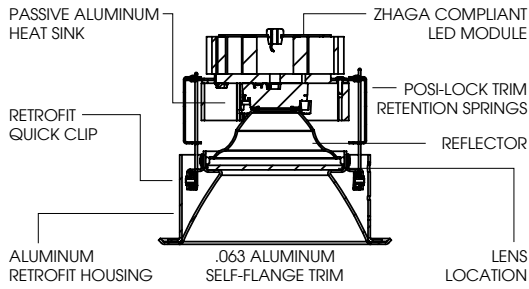


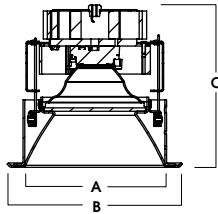


8" ROUND REMODEL PLATFORM

XT SERIES / 5000 LUMENS MAX



FIT SIZE	
SERIES	8"
MINIMUM	7 ^{3/4} "
MAXIMUM	8 ^{7/16} "



A	B	C
8.0	9.1	10L-20L: 6.8
203.2 mm	231.1 mm	30L: 7.5
		40L-50L: 7.3

Ceiling Cutout: Ø 7.8"

SGRTE8XT - TRIM FLANGE / NON-IC RATED

APPLICATION

Round XT focused illumination series LED downlight for high performance retrofit or remodel application.

FEATURES

Remodel round downlight housing designed for install in finished "hard" ceiling or into existing precut hole. Quick mount remodel spring clips with mechanical lock down. Return edge to seat fixture in ceiling. Fixture will work in up to 1" thick ceiling*. Quick change LED module with interchangeable optics for job site flexibility and fixture maintenance. Tool-less driver and j-box access. Posi-lock trim retention torsion springs.

TRIM FINISH

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

ELECTRONICS

LED system features Xicato LED module with proprietary phosphor technology that provides consistent, stable color with CCT control of +/- 100K over life of the light engine. Base CRI is 83 with 2-step MacAdam Ellipse binning. High CRI is 98 with 1x2-step MacAdam Ellipse binning. Variety of electronic 120V/277V and dimming drivers.

CONSTRUCTION

Housing/frame constructed of .060" aluminum to resist corrosion. Self-flanged one piece trim spun from 0.060" thick high purity aluminum and finished to specification.

CODE COMPLIANCE

BAA Compliant. Non-IC rated. ETL certified to meet US and Canadian standards. Suitable for dry or damp locations. Optional Wet location. Manufactured and tested to UL standards No. 1598/8750.

WATTAGE / LUMENS DATA				
PART NUMBR	SOURCE LUMENS ²	DELIVERED LUMENS ³	SYSTEM WATTS	LPW
SGRTE8XT10L	1000	639	10.2	63
SGRTE8XT13L	1300	875	13.2	66
SGRTE8XT20L	2000	1346	19.9	68
SGRTE8XT30L	3000	2019	32.2	63
SGRTE8XT40L	4000	2692	42.2	64
SGRTE8XT50L	5000	3365	51.1	66

SERIES	LUMENS ²	CCT	BEAM	DRIVER / VOLTAGE ⁵	OPTIONS ⁸	TRIM	FINISH	TRIM OPTIONS	
SGRTE8XT	83 CRI		ND 27°	E Electronic Driver 1 120V 2 277V	FS Fusing EM Emergency Battery CR Corrosion Resistant GR Goof Ring	AR8466XT	SG ⁹ Semi-Diffuse HZ Haze Full Diffuse MW Matte White MB Matte Black PT Platinum Silver OB Oil Rubbed Bronze CH Charcoal AC Anodic Champagne AS Anodic Sapphire AM Anodic Malachite SN Sun Gold CO Copper Metallic GH Graphite AMB Anti Microbial Finish CC ¹⁰ Custom Color	SO ¹¹ Micro Prism Solite™ Lens GL ¹² Clear Glass Lens FG Frosted Glass Lens PF ¹³ Polished Flange WL Wet Location	
	10L 1000 Lm	27K 2700K	MD 46°						DS10 10% 0-10V
	13L 1300 Lm	30K 3000K	WD 50°						DO10 1% 0-10V
	20L 2000 Lm	35K 3500K	XW 52°						DS2W1 1% ELV/MLV, 120V
	30L 3000 Lm	40K 4000K							DLTE1 ⁶ 1% Lutron® 2-Wire Forward Phase, 120V
	40L 4000 Lm								DL3E ⁶ 1% Lutron® EcoSystem®, Fade
	50L 5000 Lm								EL10 ⁶ 1%, eldoLED
	98 CRI ⁴								ED01 ⁶ 0.1%, eldoLED
	10L 1000 Lm	27HK 2700K							DALI ⁶ DALI Control
	13L 1300 Lm	30HK 3000K							DMXS ⁷ DMX Standard Configuration
	20L 2000 Lm	35HK 3500K							DMXC ⁷ DMX Non-Standard Custom
	30L 3000 Lm	40HK 4000K							

EXAMPLE: SGRTE8XT13L35KMDE1/AR8466XTSG

NOTES:

1 Consult Factory for Thicker Ceiling 2 Nominal Source Lumens at Any CCT 3 Nominal Delivered Lumens 83 CRI at Any CCT with WD-SG-SO 4 98CRI Operates at Higher Watts than 83CRI 5 Contact Factory for Additional Options 6 50L Not Available with Lutron Drivers 7 Contact Factory 8 See Product Options Page For Details 9 Standard Finish 10 Contact Factory for Special Finishes 11 Standard Lens for MD, WD, XW 12 Standard Lens for ND 13 Flange and Reflector Same Finish



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.

PHOTOMETRIC DATA - 8" ROUND DOWNLIGHT

SGRTE8XT 50L 35K ND XX AR8466XT SG SO

CANDLEPOWER CURVE TEST SP-01207_1	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° 1043 24%	Mounting Height AFF	<table border="1"> <thead> <tr> <th rowspan="2">Ceiling Height</th> <th rowspan="2">Fixture Spacing</th> <th colspan="2">RCR 4</th> <th colspan="2">RCR 6</th> </tr> <tr> <th>FC *</th> <th>W/Sq. Ft.</th> <th>FC *</th> <th>W/Sq. Ft.</th> </tr> </thead> <tbody> <tr> <td>16'</td> <td>6'</td> <td>126</td> <td>1.62</td> <td>116</td> <td>1.63</td> </tr> <tr> <td>20'</td> <td>7'</td> <td>75</td> <td>0.96</td> <td>69</td> <td>0.97</td> </tr> <tr> <td>24'</td> <td>8'</td> <td>68</td> <td>0.87</td> <td>46</td> <td>0.64</td> </tr> <tr> <td colspan="2">Delivered Illuminance Rating: (DIR)</td> <td colspan="2">78 FC per W/Sq. Ft.</td> <td colspan="2">71 FC per W/Sq. Ft.</td> </tr> <tr> <td colspan="6"> Recessed mounting Square rooms used for multiple units: RCR 4: Length & Width = Ceiling Ht. - 2.5' x 2.50 RCR 6: Length & Width = Ceiling Ht. - 2.5' x 1.66 * Average Footcandles at 2.5' Above Floor * Exceeds Spacing Ratio by 8% </td> </tr> </tbody> </table>	Ceiling Height	Fixture Spacing	RCR 4		RCR 6		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	16'	6'	126	1.62	116	1.63	20'	7'	75	0.96	69	0.97	24'	8'	68	0.87	46	0.64	Delivered Illuminance Rating: (DIR)		78 FC per W/Sq. Ft.		71 FC per W/Sq. Ft.		Recessed mounting Square rooms used for multiple units: RCR 4: Length & Width = Ceiling Ht. - 2.5' x 2.50 RCR 6: Length & Width = Ceiling Ht. - 2.5' x 1.66 * Average Footcandles at 2.5' Above Floor * Exceeds Spacing Ratio by 8%					
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	0° 13604	0° - 20° 2524 59%	8' 213 fc 3.6' 99 fc																																									
	5° 12409	0° - 30° 3580 84%	10' 136 fc 4.4' 63 fc																																									
15° 5004	0° - 40° 4150 97%	12' 94 fc 5.3' 44 fc																																										
25° 2234	0° - 60° 4268 100%	14' 69 fc 6.2' 32 fc																																										
35° 886	0° - 80° 4270 100%	16' 53 fc 7.1' 25 fc																																										
45° 115	0° - 90° 4271 100%	20' 34 fc 8.9' 16 fc																																										
55° 4	Total 4280 100%	24' 24 fc 10.7' 11 fc																																										
90° 1		28' 17 fc 12.4' 8 fc																																										

Delivered Lumens: 4280
Luminaire Watts: 51.1
LER: 83.76

CP at 0° (Nadir): 13604
CRI: 83

Beam Angle: 25°
Spacing Ratio: 0.41

Lumen Multiplier: 10L x 0.19, 13L x 0.26, 20L x 0.4, 30L x 0.6, 40L x 0.8
CCT Multiplier: Same for all available CCT's

SGRTE8XT 50L 35K MD XX AR8466XT SG SO

CANDLEPOWER CURVE TEST SP-01205_2	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																																								
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	0° 5393	0° - 20° 1361 42%	8' 84 fc 5.4' 35 fc																																									
	5° 5182	0° - 30° 2300 71%	10' 54 fc 6.7' 22 fc																																									
15° 3470	0° - 40° 2919 91%	12' 37 fc 8.1' 16 fc																																										
25° 2208	0° - 60° 3155 98%	14' 28 fc 9.4' 11 fc																																										
35° 1223	0° - 80° 3175 98%	16' 21 fc 10.8' 9 fc																																										
45° 213	0° - 90° 3177 99%	20' 13 fc 13.5' 6 fc																																										
55° 98	Total 3225 100%	24' 9 fc 16.1' 4 fc																																										
90° 1		28' 7 fc 18.8' 3 fc																																										

Delivered Lumens: 3225
Luminaire Watts: 51.1
LER: 63.11

CP at 0° (Nadir): 5393
CRI: 83

Beam Angle: 37°
Spacing Ratio: 0.62

Lumen Multiplier: 10L x 0.19, 13L x 0.26, 20L x 0.4, 30L x 0.6, 40L x 0.8
CCT Multiplier: Same for all available CCT's

SGRTE8XT 50L 35K WD XX AR8466XT SG SO

CANDLEPOWER CURVE TEST SP-01209_2	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																																								
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	0° 5094	0° - 20° 1583 47%	8' 80 fc 6.5' 31 fc																																									
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35° 1039	0° - 80° 3320 99%	16' 20 fc 13.1' 8 fc																																										
45° 145	0° - 90° 3322 99%	20' 13 fc 16.4' 5 fc																																										
55° 71	Total 3365 100%	24' 9 fc 19.6' 3 fc																																										
90° 1		28' 6 fc 22.9' 3 fc																																										

Delivered Lumens: 3365
Luminaire Watts: 51.1
LER: 65.85

CP at 0° (Nadir): 5094
CRI: 83

Beam Angle: 44°
Spacing Ratio: 0.72

Lumen Multiplier: 10L x 0.19, 13L x 0.26, 20L x 0.4, 30L x 0.6, 40L x 0.8
CCT Multiplier: Same for all available CCT's

PHOTOMETRIC DATA - 8" ROUND DOWNLIGHT

SGRTE8XT 50L 35K XW XX AR8466XT SG SO

CANDLEPOWER CURVE TEST SP-01211_2	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°	0° - 10°	391	12%	8'	67 fc	8.5'	22 fc	12'	8'	54	0.82	48	0.82		
	0°	0° - 20°	1345	40%	10'	43 fc	10.7'	14 fc	16'	10'	37	0.55	24	0.40		
	5°	0° - 30°	2457	73%	12'	30 fc	12.8'	10 fc	20'	12'	22	0.33	25	0.43		
	15°	0° - 40°	3123	92%	14'	22 fc	14.9'	7 fc	Delivered Illuminance Rating: (DIR)							
	25°	0° - 60°	3321	98%	16'	17 fc	17.1'	6 fc	67 FC per W/Sq. Ft.		58 FC per W/Sq. Ft.					
	35°	0° - 80°	3337	99%	20'	11 fc	21.4'	4 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							
	45°	0° - 90°	3338	99%	24'	7 fc	25.6'	2 fc	* Average Footcandles at 2.5' Above Floor							
	55°	90°	1	Total	3382	100%	28'	5 fc	29.9'	2 fc						

Delivered Lumens: 3382
Luminaire Watts: 51.1
LER: 66.18

CP at 0° (Nadir): 4278
CRI: 83

Beam Angle: 55°
Spacing Ratio: 0.87

Lumen Multiplier: 10L x 0.19, 13L x 0.26, 20L x 0.4, 30L x 0.6, 40L x 0.8
CCT Multiplier: Same for all available CCTs