2" ROUND DECORATIVE GLASS
2000 LUMENS MAX

UNIVERSAL HOUSINGS WITH INTERCHANGEABLE TRIMS

Spectrum's A Spec 2" recessed round decorative downlight series features a shallow plenum housing and variety of trims for accent and general illumination.

Bubble Glass

Frosted Glass

LUMENS AND WATTAGE CHART

PART NUMBER	LUMENS	SOURCE LUMENS[1]	DELIVERED LUMENS[2]	SYSTEM WATTS	LPW
RD2F	XT10L	1000	366	11.1	33
RD2F	XT13L	1300	493	15.0	33
RD2F	XT20L	2000	759	23.7	32

AVAILABLE HOUSING TYPES

SR2MO - New Construction / 20L Max

SR2MI - IC New Construction / 13L Max

SR2MR - Remodel Construction / 20L Max

- Decorative formed round glass tubes in bubble or frosted finish.
- Die-cast aluminum trim with a wide variety of options.
- Shallow plenum housing.
- Universal housing accepts all trim types, including 2" square trim.
- Performance Xicato LED module for superior reliability and color consistency.
- Interchangeable optics and lenses.
- 5 year warranty on fixture and electronics.
- 10 year warranty on LED CCT.
- Sustainable fixture.
- Zhaga International Standard LED Module for future upgrades.
- 83CRI 2SDCM, 98CRI 1×2SDCM best in industry.

FIXTURE HOUSING SPECIFICATION

SERIES		LUMENS[1]		DRIVER / DIMMING / VOLTAGE				OPTIONS	
SR2MO	New Construction	XT10L	1000 Lm	E_	Electronic Driver	1	120V	H12[4]	12" - 24" Expandable Bars
SR2MI[3]	IC New Construction	XT13L	1300 Lm	DS10_	10%, 0-10V	2	277V	EB	Black Housing
SR2MR	Remodel Construction	XT20L	2000 Lm	DS2W1	ELV/MLV, 120V			EMRM	Remote Emergency Battery Pack

AVAILABLE TRIM / MODULE TYPES

RH2BGC2   RH2FGC2

TRIM / MODULE SPECIFICATION

TRIM		CCT		OPTICS		TRIM FINISH[5]		OPTIONS	
RH2BGC2	Bubble Glass Tube Accent	**83 CRI**		MD	35°	MW[6]	Matte White	NL	No Lens
RH2FGC2	Frosted Glass Tube Accent	27K	2700K			MB	Matte Black		
		30K	3000K			PT	Platinum Silver		
		35K	3500K			BZ	Bronze		
		40K	4000K			CH	Charcoal		
		98 CRI ARTIST				OB	Oil Rubbed Bronze		
		27HK	2700K			AS	Sapphire		
		30HK	3000K			AM	Malachite		
		35HK	3500K			SN	Sun Gold		
		40HK	4000K			CO	Copper Metallic		
						GH	Graphite		
						CC[7]	Custom Color		

LIGHTSOURCE BY **XICATO** · SUSTAINABLE · ETL · 5 YEAR WARRANTY · MADE IN THE USA

**EXAMPLE:** SR2MOXT10LDS2W1/H12EB/RH2FGC227KMDMWNL

NOTES:
1 Nominal Source Lumens at Any CCT   **2** Nominal Delivered Lumens 83 CRI at Any CCT with MD-MW-RH2BGC2   **3** IC New Construction not Available in XT20L
4 Standard Bar Hangers   **5** Inside Trim And Flange Will Match Color Specified   **6** Standard Finish   **7** Contact Factory for Special Finishes

Spectrum Lighting

SPECLIGHT.COM · 994 JEFFERSON ST. FALL RIVER, MA 02721 · 508.678.2303

ILLUMINATING WHAT'S POSSIBLE.

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.

83-70098_RJ

HOUSING DIMENSIONS

SR2MO - NEW CONSTRUCTION / 20L MAX

Non-IC rated, thermally protected frame-in kit for new construction. Non-IC designation requires insulation must be minimum of 3" from housing.
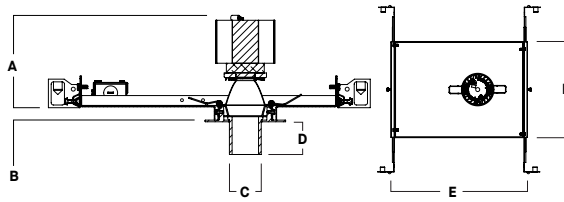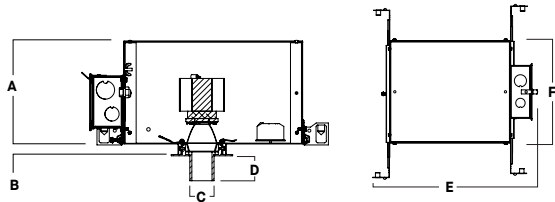

A	B	C	D	E	F
4.2 106.7 mm	.625 15.2 mm	1.5 38.1 mm	1.5 38.1 mm	12.9 327.7 mm	9.1 231.1 mm

Fixture Weight: 4.0 lbs — Ceiling Cutout: Ø 3"

SR2MI - IC NEW CONSTRUCTION / 13L MAX

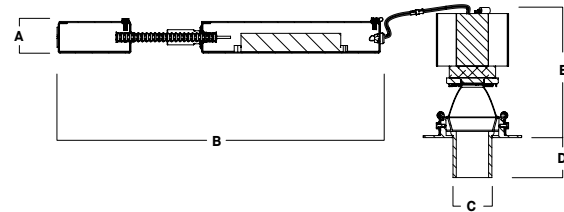IC rated frame-in kit for new construction with direct insulation contact.

A	B	C	D	E	F
6.4 162.6 mm	.625 15.2 mm	1.5 38.1 mm	1.5 38.1 mm	15.4 391.2 mm	9.8 248.9 mm

Fixture Weight: 5.0 lbs — Ceiling Cutout: Ø 3"

SR2MR - REMODEL CONSTRUCTION / 20L MAX

Non-IC rated frame-in kit for existing construction. Non-IC designation requires insulation must be minimum of 3" from housing.

A	B	C	D	E
1.5 38.1 mm	13.9 353.1 mm	1.5 38.1 mm	1.5 38.1 mm	4.8 121.9 mm

Fixture Weight: 2.0 lbs — Ceiling Cutout: Ø 3"

TRIM / MODULE DATA

RH2BGC2 - BUBBLE GLASS TUBE ACCENT MODULE

Lm	A	B	C
XT10L	5.0	1.5	1.5
XT13L	5.0	1.5	1.5
XT20L	5.0	1.5	1.5

RH2FGC2 - FROSTE GLASS TUBE ACCENT MODULE

Lm	A	B	C
XT10L	5.0	1.5	1.5
XT13L	5.0	1.5	1.5
XT20L	5.0	1.5	1.5

FEATURES

NEW CONSTRUCTION
Precision Die-formed 20 gauge galvanized steel housing and integral junction box with (1) 7/8" knockout for Non-IC (not designed for through branch circuit wiring) and (1) 5/8", (3) 7/8" and 2 (1") knockouts for IC. Junction box capacity: 8 12AWG rated for 90 °C. Tool-less driver and junction box access for ease of maintenance. Posi-loc trim rentention springs for 5/8"-1" ceiling thickness. For thicker ceilings consult factory.

REMODEL CONSTRUCTION
Features tethered power supply and junction box with sheathed wire, (1) 7/8" knockout, and (1) 5/8" Knockout.

MOUNTING
A variety of mounting bars are available (excluding remodel). Ceiling materials must be rigid to support luminaire frame.

DRIVER
Several constant current dimming drivers are available. Power factor >.9 typical, 50/60Hz, 350-1050mA.

TRIM
Self-flanged, one-piece, die-cast aluminum finished in a variety of powdercoat options. Decorative glass is finished in blown glass or frosted pattern.

LUMEN OUTPUT
Optics maintain 1000-2000 lumens range.

LED
Zhaga compatible high performance Xicato module. Proprietary phosphor technology provides consistent and stable color with CCT control of +/- 100K over life of light engine.

EMERGENCY
Remote 7W emergency battery options are available. Operates for 90 minutes and produces nominal 450 lumens.

COLOR VARIATION
Standard CRI (83) within 2-step MacAdam Ellipse. High CRI (98) within 1×2-step MacAdam Ellipse.

LISTINGS
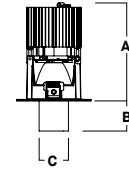ETL Certified to meet US and Canadian Standards. Manufactured and tested to UL standard No. 1598/8750. BAA compliant. Insulated Ceiling (IC) option available.

WARRANTY
Fixtures, LEDs and drivers carry 5 year Spectrum warranty, as well as individual OEM warranty. Warranty is 5 years from date of manufacturing. LED system rated for operation in an ambient temperatures up to 25 °C.
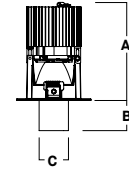

Spectrum Lighting

PHOTOMETRIC DATA - 2" ROUND DECORATIVE

SR2Mx-XT20L-E1-RH2FGC2-35K-MD-MW

CANDLEPOWER CURVE

Delivered Lumens: 496
Luminaire Watts: 23.7
LER: 20.93

INTENSITY

0.00°	
0.00°	2,098
5.00°	1,862
10.00°	1,433
15.00°	515
20.00°	133
30.00°	46
40.00°	36
50.00°	29
60.00°	25
70.00°	25
80.00°	21
90.00°	0

CP at 0deg (Nadir): 2,098
CRI: 83

ZONAL LUMENS

0° - 10°	168	34%
0° - 20°	323	65%
0° - 30°	354	71%
0° - 40°	385	78%
0° - 60°	433	87%
0° - 80°	478	96%
0° - 90°	495	100%
Total	496	100%

SINGLE UNIT: PERFORMANCE
INITIAL FOOTCANDLES
BASED ON IES BEAM ANGLE

Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge
5.50 '	69 fc	2.3 '	35 fc
6.50 '	50 fc	2.7 '	25 fc
7.50 '	37 fc	3.2 '	19 fc
8.50 '	29 fc	3.6 '	15 fc
10.00 '	21 fc	4.2 '	10 fc
12.00 '	15 fc	5.1 '	7 fc
14.00 '	11 fc	5.9 '	5 fc
16.00 '	8 fc	6.7 '	4 fc

Beam Angle: 24.02
Spacing Ratio: 0.41

MULTIPLE UNITS: PERFORMANCE
80/50/20% REFLECTANCES
INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT

Ceiling Height	Fixture Spacing	RCR 3		RCR 5	
		FC [+]	W/Sq. Ft.	FC [+]	W/Sq. Ft.
8'	3' [*]	54	2.79	76	4.35
12'	5' [**]	18	0.95	17	0.95
16'	7' [***]	11	0.58	7	0.40
Delivered Illuminance Rating: (DIR)		19 FC per W/Sq. Ft.		18 FC per W/Sq. Ft.	

2' Suspension Length
Square rooms used for multiple units:
- RCR 3: Length & Width = Ceiling Ht. -4.5' x 3.33
- RCR 5: Length & Width = Ceiling Ht. - 4.5' x 2.00
[+] Average Footcandles at 2.5' Above Floor
[*] Exceeds spacing criteria by 109%
[**] Exceeds spacing criteria by 63%
[***] Exceeds spacing criteria by 48%

Lamp Multiplier: 10L x 0.48, 13L x 0.65
CCT Multiplier: LEDXT lumen output is the same for all available CCT's

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ILLUMINATING WHAT'S POSSIBLE.

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