

A	B	C	D	E	F
6.4 162.6 mm	.625 15.2 mm	4.0 101.6 mm	5.4 137.2 mm	10L-13L: 13.2 20L: 19.2	9.5 241.3 mm

SDFI4XT - TRIM FLANGE / IC RATED

APPLICATION

Versatile 4" Square aperture recessed LED downlight for Insulated Ceiling installations with a wide range of lumens and optical controls.

FEATURES

Two-stage optical system for smooth light distribution and focus control. Quick change LED module with interchangeable optics for job site adjustment and fixture maintenance. Shallow plenum design. Tool-less driver and j-box access. Posi-lock trim retention torsion springs. See SDZI4 series for trimless plaster or wood ceiling.

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 #20 ga. galvanized steel to resist corrosion. Self-Flanged one piece trim die-cast high purity aluminum and finished to specification.

CODE COMPLIANCE

BAA Compliant. IC rated. UL 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 TO LUMENS UPDATE					
CURRENT PART NUMBER EXAMPLE	PREVIOUS PART NUMBER EXAMPLE	SOURCE LUMENS ¹	DELIVERED LUMENS ²	SYSTEM WATTS	LPW
SDFI4XT10L	SDFI4LEDX115W	1000	691	11.1	62
SDFI4XT13L	SDFI4LEDX120W	1300	931	15.0	62
SDFI4XTT20L	SDFI4LEDX133W	2000	1432	23.7	60

SERIES	LUMENS ¹	CCT	OPTICS	DRIVER / DIMMING / VOLTAGE ⁴	OPTIONS ⁵	TRIM	FINISH	TRIM OPTIONS ¹²						
SDFI4XT	83 CRI		XN³ 12° ND 25° MD 33° WD 48° XW 49°	E_ Electronic Driver DS10_ 10% 0-10V DO10_ 1% 0-10V DS2W1 1%, ELV/MLV, 120V DL3E_ 1% Lutron® EcoSystem®, Fade EL10_ 1%, eldoLED EDO1_ 0.1%, eldoLED DALI_ DALI Control	1 120V 2 277V	BH27⁶ 27" Solid Bars H12 12" - 24" Expandable Bars HO6 6" - 12" Expandable Bars CB24 24" C-Channel Bars EMRM Remote Emergency Battery Pack FS Fusing EB Black Housing CR Corrosion Resistant PR⁷ Deep Ceiling Extension GR Goof Ring CCEA Chicago Ceiling Plenum Rated AMB Anti Microbial Finish	SD4FXT⁸	MW⁹ Matte White MB Matte Black SG¹⁰ Semi-Diffuse HZ¹⁰ Haze Full Diffuse PT Platinum Silver BZ Bronze CH Charcoal AS Anodic Sapphire AM Anodic Malachite SN Sun Gold CO Copper Metallic GH Graphite AMB Anti Microbial Finish CC¹¹ Custom Color	SOX¹³ Micro Prism Solite™ Lens GLX¹⁴ Clear Glass Lens PGX Prismatic Glass Lens FGX Frosted Glass Lens SOW Micro Prism Solite™ Lens Wet Location GLW Clear Glass Lens Wet Location PGW Prismatic Glass Lens Wet Location FGW Frosted Glass Lens Wet Location					
	10L 1000 Lm	27K 2700K								20L 2000 Lm	35K 3500K	40K 4000K		
	98 CRI													
	10L 1000 Lm	27HK 2700K								13L 1300 Lm	30K 3000K	20L 2000 Lm	35HK 3500K	40HK 4000K

EXAMPLE: SDFI4XT13L35KWDE1/H12/SD4FXTSGSOX

NOTES:

1 Nominal Source Lumens at Any CCT 2 Nominal Delivered Lumens 83 CRI at Any CCT with WD-MW-SOX 3 XN 13L Max at 83 and 98 CRI 4 Contact Factory for Additional Options 5 See Product Options Page for Details 6 Standard Bar Hangers
 7 Contact Factory 8 "F" Indicates Self-Flange Trim, Matte White Standard 9 Standard Finish 10 Anodized Reflector with Matte White Flange 11 Contact Factory for Special Finishes 12 Contact Factory for Special Lenses/Louvers 13 Standard Lens for MD, WD, XW 14 Standard Lens for XN and ND

PROJECT: _____

QUANTITY: _____ TYPE: _____



4" SQUARE IC DOWNLIGHT

IC RATED / PHOTOMETRIC DATA

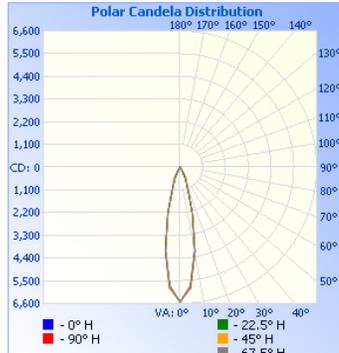
NARROW BEAM - SDxx4XT-20LxxKNDE1-SD4xMWGLX

Note: xxK indicates all available CCT's have same lumen output

Filename: SDxx4XT-20LxxKNDE1-SD4xMWGLX
Manufacturer: Spectrum Lighting
Luminaire: 4" Square, Downlight, Narrow Beam
Luminaire Cat: SDxx4XT-20L-xxK-ND-E1-SD4x-MW-GLX
Lamp: N/A, Min. 83 CRI
Lamp Cat: N/A
Lamp Output: Total luminaire Lumens: 1629.4
Max Candela: 6,519.3 at Horizontal: 0°, Vertical: 0°
Input Wattage: 23.7
Luminous Opening: Rectangle (L: 4", W: 4")
Test: SP-00487_M-20L
Test Date: Wed Sep 30 2015

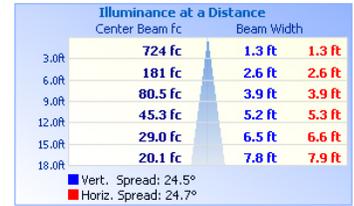
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,425.8	87.5%
0-40	1,524.9	93.6%
0-60	1,580.1	97%
60-90	49.2	3%
0-90	1,629.4	100%



Candela Table

	0	22.5	45	67.5	90
0	6519	6519	6519	6519	6519
5	5758	5782	5794	5758	5870
10	4056	4111	4108	4110	4138
15	2282	2285	2288	2281	2278
20	1026	1031	1042	1026	1031
25	617	670	698	666	606
30	203	359	571	350	202
35	48	84	279	85	46
40	33	38	65	39	33
45	32	34	37	34	32
50	31	32	34	32	30
55	31	31	32	32	30
60	27	28	29	28	27
65	22	25	27	26	24
70	22	23	22	23	21
75	16	17	16	17	16
80	11	12	11	12	11
85	6	6	6	6	5
90	2	2	2	2	1



Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%)	81.3%	1,324.2	48.9	49.1
Beam (50%)	40.7%	663.5	24.7	24.5
Total	100.7%	1,640.8		

SPACING RATIO: 0.42

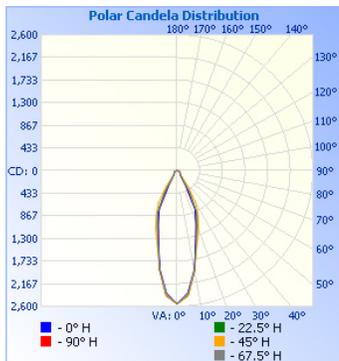
MEDIUM BEAM - SDxx4XT-20LxxKMDE1-SD4xMWSOX

Note: xxK indicates all available CCT's have same lumen output

Filename: SDxx4XT-20LxxKMDE1-SD4xMWSOX
Manufacturer: Spectrum Lighting
Luminaire: 4" Square, Downlight, Medium Beam
Luminaire Cat: SDxx4LEDXT-20L-xxK-MD-E1-SD4x-MW-SOX
Lamp: N/A, Min. 83 CRI
Lamp Cat: N/A
Lamp Output: Total luminaire Lumens: 1358.9
Max Candela: 2,550.7 at Horizontal: 0°, Vertical: 0°
Input Wattage: 23.7
Luminous Opening: Rectangle (L: 4", W: 4")
Test: SP-00487_1_M-20L
Test Date: Wed Sep 30 2015

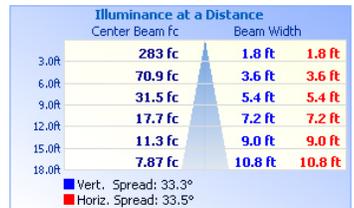
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	994.8	73.2%
0-40	1,143.6	84.2%
0-60	1,266.2	93.2%
60-90	92.7	6.8%
0-90	1,358.9	100%



Candela Table

	0	22.5	45	67.5	90
0	2551	2551	2551	2551	2551
5	2349	2396	2402	2365	2408
10	1910	1926	1925	1933	1930
15	1382	1419	1464	1422	1388
20	1058	1112	1199	1109	1063
25	811	883	950	890	827
30	321	469	715	475	323
35	123	156	366	155	125
40	84	86	106	82	89
45	80	79	75	76	80
50	77	73	72	73	78
55	71	68	68	67	71
60	64	62	61	62	64
65	54	54	51	54	53
70	40	41	42	40	39
75	27	30	29	29	29
80	18	19	19	18	16
85	8	9	9	9	9
90	3	3	2	2	3



Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%)	80.4%	1,092.7	63.4	63.3
Beam (50%)	37.7%	512.6	33.5	33.3
Total	100.3%	1,362.7		

SPACING RATIO: 0.54

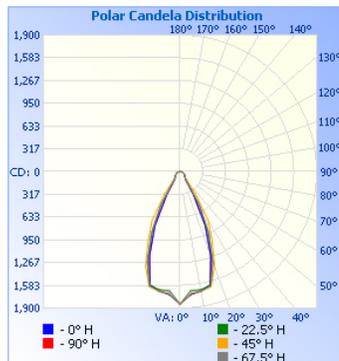
WIDE BEAM - SDxx4XT-20LxxKWDE1-SD4xMWSOX

Note: xxK indicates all available CCT's have same lumen output

Filename: SDxx4XT-20LxxKWDE1-SD4xMWSOX
Manufacturer: Spectrum Lighting
Luminaire: 4" Square, Downlight, Wide Beam
Luminaire Cat: SDxx4LEDXT-20L-xxK-WD-E1-SD4x-MW-SOX
Lamp: N/A, Min. 83 CRI
Lamp Cat: N/A
Lamp Output: Total luminaire Lumens: 1422.2
Max Candela: 1,842.0 at Horizontal: 0°, Vertical: 0°
Input Wattage: 23.7
Luminous Opening: Rectangle (L: 4", W: 4")
Test: SP-00487_2_M-20L
Test Date: Wed Sep 30 2015

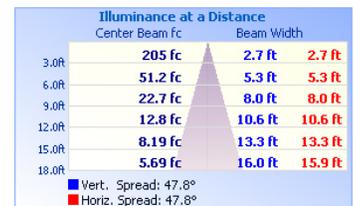
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,025.7	72.1%
0-40	1,190.1	83.7%
0-60	1,324.7	93.1%
60-90	97.5	6.9%
0-90	1,422.2	100%



Candela Table

	0	22.5	45	67.5	90
0	1842	1842	1842	1842	1842
5	1720	1663	1708	1696	1716
10	1676	1667	1686	1692	1692
15	1630	1637	1660	1647	1625
20	1248	1337	1405	1331	1247
25	830	930	1053	951	828
30	378	535	776	537	370
35	133	165	370	170	129
40	110	109	128	110	111
45	91	84	84	85	91
50	85	78	77	79	86
55	73	71	71	71	72
60	65	64	63	64	68
65	55	55	52	55	55
70	44	44	44	44	40
75	31	32	31	31	30
80	19	19	20	20	18
85	9	9	9	10	8
90	3	2	3	3	3



Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%)	81.5%	1,158.9	67.7	67.9
Beam (50%)	60.8%	864.2	47.8	47.8
Total	100.2%	1,424.7		

SPACING RATIO: 0.78

4" SQUARE IC DOWNLIGHT

IC RATED / PHOTOMETRIC DATA



XTRA WIDE BEAM - SDxx4XT-20LxxKXWE1-SD4xMWSOX

Note: xxK indicates all available CCT's have same lumen output

Filename: **SDxx4XT-20LxxKXWE1-SD4xMWSOX**

Manufacturer: Spectrum Lighting

Luminaire: 4" Square, Downlight, Xtra Wide Beam

Luminaire Cat: SDxx4LEDXT-20L-xxK-XW-E1-SD4x-MW-SOX

Lamp: N/A, Min. 83 CRI

Lamp Cat: N/A

Lamp Output: Total luminaire Lumens: 1475.1

Max Candela: 1,926.7 at Horizontal: 0°, Vertical: 0°

Input Wattage: 23.7

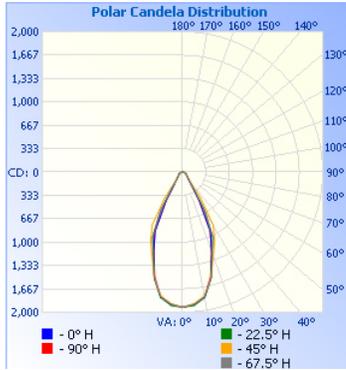
Luminous Opening: Rectangle (L: 4", W: 4")

Test: SP-00487_3_M-20L

Test Date: Wed Sep 30 2015

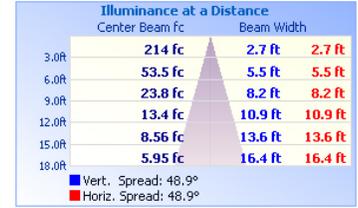
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,047.5	71%
0-40	1,251.0	84.8%
0-60	1,386.3	94%
60-90	88.8	6%
0-90	1,475.1	100%



Candela Table

	0	22.5	45	67.5	90
0	1927	1927	1927	1927	1927
5	1898	1909	1881	1890	1889
10	1815	1814	1788	1805	1803
15	1566	1563	1568	1567	1541
20	1211	1225	1274	1240	1210
25	933	1015	1082	1017	932
30	486	625	870	629	472
35	203	236	444	242	200
40	127	127	149	125	129
45	100	93	92	94	100
50	77	72	71	73	78
55	68	67	66	65	71
60	63	59	58	58	61
65	49	51	49	52	50
70	40	40	39	40	39
75	26	28	26	28	26
80	17	18	18	18	16
85	8	9	9	8	9
90	3	2	3	2	3



Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%)	82.8%	1,221.8	71	71.4
Beam (50%)	60.2%	887.5	48.9	48.9
Total	100.2%	1,477.5		

SPACING RATIO: 0.76