

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

RDZI4XT - TRIMLESS / IC RATED

APPLICATION

Versatile 4" Round aperture recessed LED downlight for Insulated Ceiling installations with flangeless trim and 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.

TRIM FINISH

A variety of architectural powdercoat and anodized finishes are available. Plaster mesh fitter included.

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. Flangeless one piece trim spun from 0.063" thick 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
RDZI4XT10L	RDZI4LEDX115W	1000	682	11.1	61
RDZI4XT13L	RDZI4LEDX120W	1300	919	15.0	61
RDZI4XT20L	RDZI4LEDX133W	2000	1414	23.7	60

SERIES	LUMENS ¹	CCT	OPTICS	DRIVER / DIMMING / VOLTAGE ⁴	OPTIONS ⁵	TRIM	FINISH	TRIM OPTIONS ¹¹			
RDZI4XT	83 CRI		XN ³ 12° ND 27° MD 40° WD 47° XW 47°	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	RD4NXT ⁶	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	SOX ¹² Micro Prism Solite™ Lens GLX ¹³ 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							ND 27°	DS10_ 10% 0-10V	BH27 ⁷ 27" Solid Bars
	13L 1300 Lm	30K 3000K							MD 40°	DO10_ 1% 0-10V	H12 12" - 24" Expandable Bars
	20L 2000 Lm	35K 3500K							WD 47°	DS2W1 1% ELV/MLV, 120V	H06 6" - 12" Expandable Bars
		40K 4000K							XW 47°	DL3E_ 1% Lutron® EcoSystem®, Fade	CB24 24" C-Channel Bars
										EL10_ 1% eldoLED	EMRM Remote Emergency Battery Pack
	98 CRI				FS Fusing						
	10L 1000 Lm	27HK 2700K		EDO1_ 0.1% eldoLED	EB Black Housing						
	13L 1300 Lm	30HK 3000K		DALI_ DALI Control	CR Corrosion Resistant						
	20L 2000 Lm	35HK 3500K			PR ⁸ Deep Ceiling Extension						
		40HK 4000K			CCEA Chicago Ceiling Plenum Rated						
					AMB Anti Microbial Finish						

EXAMPLE: RDZI4XT10L35KMDE1/H12/RD4NXTMWSOX

NOTES:
 1 Nominal Source Lumens at Any CCT 2 Nominal Delivered Lumens 83 CRI at Any CCT with WD-SG-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 "N" Indicates Flangeless Trim 9 Standard Finish 10 Contact Factory for Special Finishes 11 Contact Factory for Special Lenses/Louvers 12 Standard Lens for MD, WD, XW 13 Standard Lens for XN and ND

PROJECT: _____
 QUANTITY: _____ TYPE: _____



4" ROUND TRIMLESS IC DOWNLIGHT

IC RATED / PHOTOMETRIC DATA



Spectrum Lighting

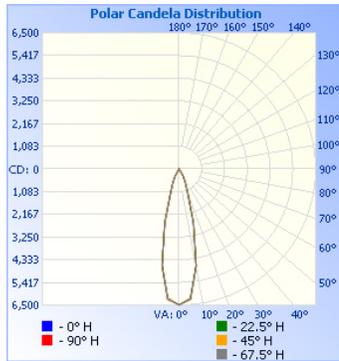
NARROW BEAM - RDxx4XT-20LxxKNDE1-RD4xSGLX

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

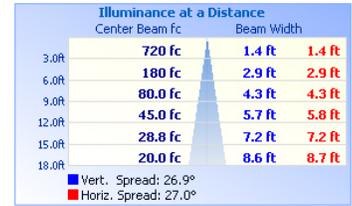
Filename: RDxx4XT-20LxxKNDE1-RD4xSGLX
Manufacturer: Spectrum Lighting
Luminaire: 4" aperture, Narrow Beam
Luminaire Cat: RDxx4LEDXT-20L-xxK-ND-E1-RD4x-SG-GLX
Lamp: N/A, Min. 83 CRI
Lamp Cat: N/A
Lamp Output: Total Luminaire Lumens: 1678.2
Max Candela: 6,480.3 at Horizontal: 0°, Vertical: 0°
Input Wattage: 23.7
Luminous Opening: Point
Test: SP-00480_4_M-20L
Test Date: Tue Sep 08 2015

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,583.3	94.3%
0-40	1,659.6	98.9%
0-60	1,672.4	99.7%
60-90	5.8	0.3%
0-90	1,678.2	100%



	0	22.5	45	67.5	90
0	6480	6480	6480	6480	6480
5	6195	6198	6213	6242	6244
10	4663	4691	4710	4692	4652
15	2614	2627	2633	2629	2647
20	1155	1170	1173	1171	1172
25	689	689	688	692	693
30	373	372	371	375	373
35	63	66	66	62	64
40	19	18	19	17	17
45	11	10	10	8	8
50	8	7	6	6	6
55	6	5	5	5	5
60	3	3	3	4	4
65	2	2	3	3	3
70	0	1	1	1	2
75	0	1	1	4	5
80	0	4	2	5	6
85	0	0	1	1	1
90	0	0	0	0	0



	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%)	88%	1,477.3	51.4	51.3
Beam (50%)	48.4%	811.6	27	26.9
Total	100.7%	1,689.4		

SPACING RATIO: 0.46

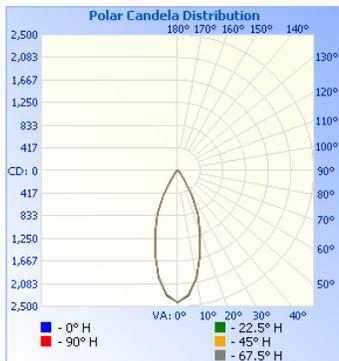
MEDIUM BEAM - RDxx4XT-20LxxKMDE1-RD4xSGSOX

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

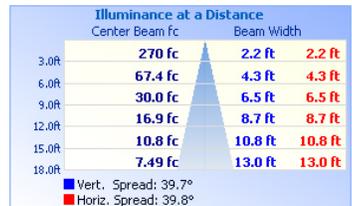
Filename: RDxx4XT-20LxxKMDE1-RD4xSGSOX
Manufacturer: Spectrum Lighting
Luminaire: 4" aperture, Medium Beam
Luminaire Cat: RDxx4LEDXT-20L-xxK-MD-E1-RD4x-SG-SOX
Lamp: N/A, Min. 83 CRI
Lamp Cat: N/A
Lamp Output: Total Luminaire Lumens: 1316.6
Max Candela: 2,426.9 at Horizontal: 0°, Vertical: 0°
Input Wattage: 23.7
Luminous Opening: Point
Test: SP-00480_2_M-20L
Test Date: Tue Jul 14 2015

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,038.9	78.9%
0-40	1,206.3	91.6%
0-60	1,299.9	98.7%
60-90	16.7	1.3%
0-90	1,316.6	100%



	0	22.5	45	67.5	90
0	2427	2427	2427	2427	2427
5	2310	2309	2284	2286	2286
10	1991	1997	1993	2008	2009
15	1601	1594	1591	1592	1595
20	1200	1204	1213	1208	1204
25	874	875	878	878	885
30	520	525	521	522	522
35	233	235	236	233	230
40	113	114	115	114	112
45	76	76	77	74	77
50	52	54	53	53	52
55	36	35	36	35	35
60	23	23	23	23	24
65	10	11	11	10	10
70	1	1	1	2	3
75	1	1	1	5	8
80	1	4	3	6	7
85	0	1	2	2	2
90	0	1	1	1	1



	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%)	87.7%	1,154.9	69.6	69.6
Beam (50%)	50.2%	660.5	39.8	39.7
Total	100.3%	1,320.3		

SPACING RATIO: 0.64

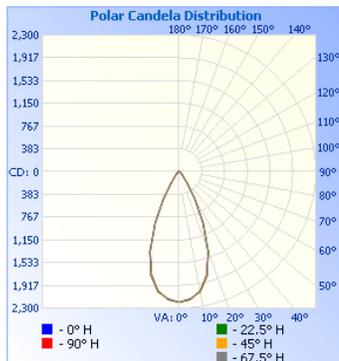
WIDE BEAM - RDxx4XT-20LxxKWDE1-RD4xSGSOX

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

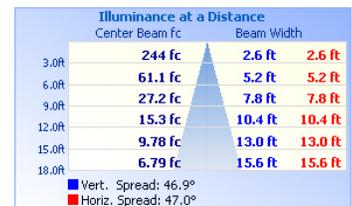
Filename: RDxx4XT-20LxxKWDE1-RD4xSGSOX
Manufacturer: Spectrum Lighting
Luminaire: 4" aperture, Wide Beam
Luminaire Cat: RDxx4LEDXT-20L-xxK-WD-E1-RD4x-SG-SOX
Lamp: N/A, Min. 83 CRI
Lamp Cat: N/A
Lamp Output: Total luminaire Lumens: 1402.3
Max Candela: 2,200.2 at Horizontal: 0°, Vertical: 0°
Input Wattage: 23.7
Luminous Opening: Point
Test: SP-00480_1_M-20L
Test Date: Tue Jul 14 2015

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,129.0	80.5%
0-40	1,297.8	92.5%
0-60	1,386.4	98.9%
60-90	16.0	1.1%
0-90	1,402.3	100%



	0	22.5	45	67.5	90
0	2200	2200	2200	2200	2200
5	2148	2159	2150	2147	2165
10	2053	2037	2063	2049	2047
15	1820	1812	1820	1817	1791
20	1423	1436	1438	1442	1432
25	953	959	961	959	955
30	522	527	528	529	525
35	235	236	236	236	232
40	116	116	116	115	115
45	75	74	74	74	73
50	51	48	48	49	49
55	32	31	31	31	31
60	19	20	19	20	20
65	10	10	10	11	10
70	1	1	2	2	3
75	1	1	1	6	8
80	1	4	3	6	7
85	0	1	2	2	2
90	0	1	1	1	2



	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%)	89.2%	1,250.4	71	71.3
Beam (50%)	61.8%	866.0	47	46.9
Total	100.2%	1,405.6		

SPACING RATIO: 0.78

4" ROUND TRIMLESS IC DOWNLIGHT

IC RATED / PHOTOMETRIC DATA



XTRA WIDE BEAM - RDxx4XT-20LxxKXWE1-RD4xSGSOX

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

Filename: RDxx4XT-20LxxKXWE1-RD4xSGSOX

Manufacturer: Spectrum Lighting

Luminaire: 4" aperture, Xtra Wide Beam

Luminaire Cat: RDxx4LEDXT-20L-xxK-XW-E1-RD4x-SG-SOX

Lamp: N/A, Min. 83 CRI

Lamp Cat: N/A

Lamp Output: Total luminaire Lumens: 1449

Max Candela: 2,281.3 at Horizontal: 0°, Vertical: 0°

Input Wattage: 23.7

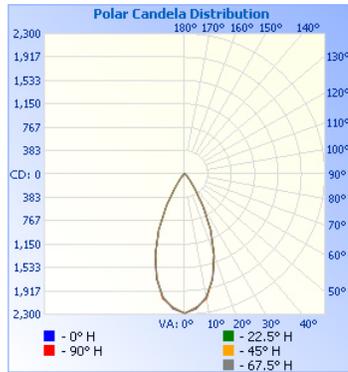
Luminous Opening: Point

Test: SP-00480_M-20L

Test Date: Tue Jul 14 2015

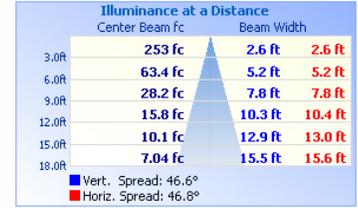
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,142.3	78.8%
0-40	1,341.3	92.6%
0-60	1,436.3	99.1%
60-90	12.7	0.9%
0-90	1,449.0	100%



Candela Table

	0	22.5	45	67.5	90
0	2281	2281	2281	2281	2281
5	2216	2200	2207	2207	2191
10	2048	2053	2066	2056	2075
15	1779	1768	1766	1766	1770
20	1408	1407	1411	1409	1418
25	1004	1012	1004	1003	1009
30	602	598	600	598	599
35	287	288	286	284	283
40	138	142	140	140	138
45	83	82	82	81	80
50	50	49	49	50	49
55	30	29	29	29	29
60	18	17	18	17	18
65	8	9	9	9	9
70	1	1	1	2	3
75	1	1	1	4	6
80	0	2	1	3	3
85	0	1	1	2	2
90	0	0	1	1	1



Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%)	90.1%	1,305.3	73.8	73.9
Beam (50%)	59.5%	861.7	46.8	46.6
Total	100.2%	1,452.4		

SPACING RATIO: 0.76