

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRXXX16LEDLX-100L35KE1-PR16.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] 101537614CRT-019_M-100L

[TESTLAB] Intertek

[LAB-REF LUMCAT] CRT1411051054-003_M-100L

[ISSUEDATE] 11/13/2014

[UPDATE] 05/19/2016

[MANUFAC] SPECTRUM LIGHTING

[LUMCAT] PRxxx16LEDLX-100L-35K-E1-PR16

[LUMINAIRE] 16" Diam. Prismatic Acrylic Refractor, PRDDH or PREXT Series, Open Aperture

[LAMP] N/A

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] CCT Output Multipliers: 40K x 1.03, 30K x 0.979, 27K x 0.959

[OTHER] Catalog Number Update: 90W changed to 100L

[OTHER] This report updated by Spectrum ightinG

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9259
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	90.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.88
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.33 ft (Diameter)
Luminous Height	0.46 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5073	5322	5070
55	2613	2673	2500
65	1696	1709	1668
75	821	829	834
85	486	477	471

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PRXXX16LEDLX-100L35KE1-PR16.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	10180.7	10180.7	10180.7	10180.7	10180.7
2.5	10198.1	10188.0	10182.0	10179.1	10181.3
5.0	10271.3	10265.2	10231.9	10251.4	10292.8
7.5	10276.0	10243.4	10205.1	10245.6	10273.9
10.0	10062.6	10006.1	9996.6	10017.8	10026.5
12.5	9675.4	9605.1	9583.6	9598.0	9612.2
15.0	9209.4	9103.3	9084.9	9065.7	9098.4
17.5	8556.7	8459.8	8418.2	8394.4	8451.7
20.0	7703.0	7604.2	7555.3	7536.1	7638.1
22.5	6866.9	6808.1	6780.7	6745.4	6857.5
25.0	6223.5	6175.3	6167.7	6146.6	6212.1
27.5	5528.6	5519.0	5550.7	5538.7	5585.2
30.0	4610.6	4606.7	4699.2	4703.4	4725.3
32.5	3507.2	3489.0	3641.2	3647.8	3659.0
35.0	2500.8	2484.5	2622.3	2620.9	2644.2
37.5	1662.0	1655.9	1781.0	1753.3	1784.2
40.0	1098.2	1076.4	1157.8	1131.4	1146.3
42.5	841.1	837.5	876.7	859.8	852.7
45.0	667.5	674.9	700.3	686.9	667.1
47.5	529.1	544.1	561.0	548.5	527.6
50.0	414.6	428.2	439.0	430.5	409.8
52.5	354.1	363.7	369.1	361.0	343.9
55.0	315.4	321.3	322.6	316.2	301.7
57.5	280.2	283.3	281.4	278.1	267.2
60.0	241.8	245.9	241.7	240.7	233.6
62.5	207.7	210.9	209.5	210.1	202.7
65.0	180.0	181.2	181.4	182.1	177.1
67.5	152.3	151.9	154.1	152.5	151.4
70.0	122.8	120.5	124.1	122.7	123.9
72.5	94.1	91.5	96.2	95.9	97.2
75.0	72.6	68.9	73.3	72.8	73.7
77.5	56.0	52.0	54.3	54.7	54.8
80.0	44.0	42.2	42.9	43.0	42.5
82.5	38.3	37.2	37.5	37.2	37.4
85.0	33.0	32.0	32.4	32.7	32.0
87.5	28.6	27.8	28.0	28.9	28.2
90.0	29.9	29.8	30.1	30.4	30.1
92.5	29.7	30.0	30.2	30.7	30.4
95.0	26.2	27.3	27.0	28.4	27.8
97.5	24.0	24.6	24.7	26.3	25.6
100.0	24.9	26.3	27.2	28.2	27.2
102.5	27.1	30.1	31.6	32.1	30.1
105.0	29.8	34.3	36.8	36.2	33.5
107.5	31.4	36.2	37.6	37.1	35.3
110.0	31.0	34.8	35.4	35.3	35.5
112.5	29.9	32.2	31.5	31.6	33.2
115.0	28.3	29.4	28.8	28.9	30.2
117.5	26.9	27.6	26.8	27.0	28.1
120.0	25.5	26.0	25.3	25.5	26.1
122.5	24.5	24.7	23.8	24.0	24.5
125.0	23.4	23.2	22.8	22.7	23.1
127.5	22.6	22.3	22.0	21.9	22.0
130.0	22.2	21.7	21.5	21.4	21.5
132.5	21.9	21.6	21.5	21.4	21.4

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PRXXX16LEDLX-100L35KE1-PR16.IES

CANDELA TABULATION - (Cont.)

135.0	22.3	21.8	21.7	21.6	21.6
137.5	22.5	22.1	22.1	22.0	22.0
140.0	23.6	23.3	22.9	22.7	22.7
142.5	25.0	24.5	24.2	24.0	24.0
145.0	26.5	26.0	25.5	25.5	25.6
147.5	28.2	27.8	27.3	27.4	27.4
150.0	29.6	29.6	28.7	28.9	29.0
152.5	30.9	30.9	30.2	30.3	30.6
155.0	32.0	32.0	31.4	31.8	31.9
157.5	33.0	33.3	33.1	33.1	33.0
160.0	34.2	34.7	34.5	34.5	34.4
162.5	35.7	36.2	36.3	36.0	36.1
165.0	37.4	37.8	37.9	37.9	37.7
167.5	38.7	38.9	39.3	39.0	38.9
170.0	39.4	39.4	40.1	39.7	39.5
172.5	39.1	39.6	39.8	39.6	39.5
175.0	38.1	38.3	38.3	38.1	38.1
177.5	37.3	37.1	37.3	37.0	36.6
180.0	36.9	36.9	36.9	36.9	36.9

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PRXXX16LEDLX-100L35KE1-PR16.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3486.25	N.A.	37.70
0-30	6301.03	N.A.	68.10
0-40	7951.15	N.A.	85.90
0-60	8785.56	N.A.	94.90
0-80	9044.59	N.A.	97.70
0-90	9081.28	N.A.	98.10
10-90	8108.81	N.A.	87.60
20-40	4464.9	N.A.	48.20
20-50	5011.16	N.A.	54.10
40-70	1013.44	N.A.	10.90
60-80	259.04	N.A.	2.80
70-80	80.01	N.A.	0.90
80-90	36.69	N.A.	0.40
90-110	65.29	N.A.	0.70
90-120	94.68	N.A.	1.00
90-130	115.57	N.A.	1.20
90-150	148.75	N.A.	1.60
90-180	177.66	N.A.	1.90
110-180	112.37	N.A.	1.20
0-180	9258.94	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	972.47
10-20	2513.79
20-30	2814.77
30-40	1650.12
40-50	546.26
50-60	288.15
60-70	179.03
70-80	80.01
80-90	36.69
90-100	30.36
100-110	34.93
110-120	29.39
120-130	20.89
130-140	16.97
140-150	16.21
150-160	14.65
160-170	10.55
170-180	3.71

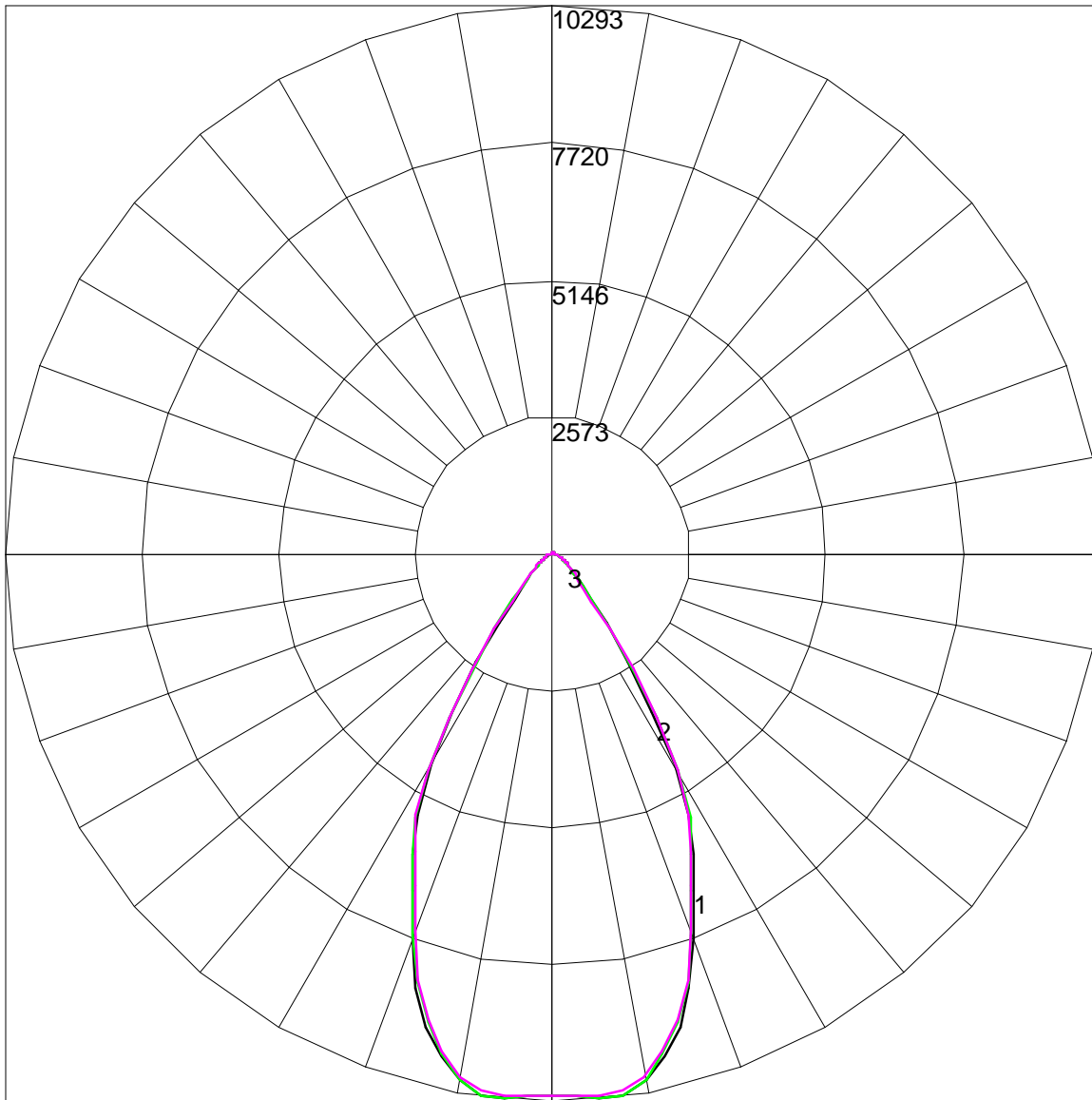
IES INDOOR REPORT
PHOTOMETRIC FILENAME : PRXXX16LEDLX-100L35KE1-PR16.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	112	109	107	104	110	107	105	103	103	101	99	99	97	96	95	94	93	91
2	106	101	97	93	104	99	95	92	96	93	90	92	90	88	89	87	85	84
3	101	94	89	84	99	92	88	84	89	85	82	87	83	80	84	81	79	77
4	95	87	82	77	93	86	81	77	84	79	75	81	78	74	79	76	73	72
5	90	82	76	71	89	81	75	71	79	74	70	77	72	69	75	71	68	67
6	86	77	70	66	84	76	70	66	74	69	65	72	68	64	71	67	64	62
7	81	72	66	61	80	71	65	61	70	64	61	68	64	60	67	63	60	58
8	77	68	62	57	76	67	61	57	66	60	57	65	60	56	63	59	56	55
9	74	64	58	54	73	63	58	54	62	57	53	61	56	53	60	56	53	51
10	70	60	55	51	69	60	54	50	59	54	50	58	53	50	57	53	50	48

POLAR GRAPH



Maximum Candela = 10292.8 Located At Horizontal Angle = 90, Vertical Angle = 5

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (90 - 270)

3 - Vertical Plane Through Horizontal Angles (45 - 225)