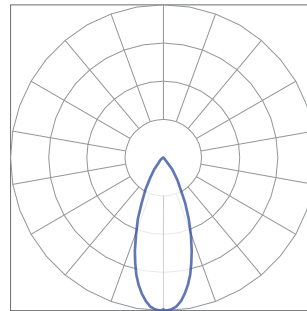


BoxRail® | 107

107-BX-X-4-48-X-X-X-X-X-Z-SO-359-S1-X-AL / WH-X

The performance data in black text is confirmed through third party testing (see the following Light Laboratory report for details). The performance data in grey text is calculated by Vode, for reference only.

Technical Support: (707) 996-9898



Details

Rail Type / Length	BoxRail, 48"
LED Type	Zipper Board
Lumen Output	Standard Output
Color Temperature	3500K, 90+ CRI
Optics	40° White Symmetric Lens

Performance Summary

	2700K	3000K	3500K	4000K
Color Temperature	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	45	46	47	48
Total Lumens, 4' rail (1219mm)	1060	1094	1116	1138
Lumens per foot (305mm)	265	273	279	285
Input Power (W), 4' rail (1219mm)	24.1	24.1	24.1	24.1
Watts per foot (305mm)	6.1	6.1	6.1	6.1
CRI	-	-	96	-

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IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_107_BX_SO_359_S1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L071704208 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
[ISSUEDATE] 11/1/2017
[MANUFAC] Vode Lighting
[LUMCAT] 107-BX-48-Z-SO-359-S1-AL/WH
[LUMINAIRE] BoxRail LED, 48", 3500K, 90 CRI, zipper board,
[MORE] 40° white symmetric lens, standard output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1116
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	46
Total Luminaire Watts	24.06
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.68
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	0.86
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.02 ft
Luminous Width (90-270)	3.85 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	18434	29917	78972
55	13908	20117	52156
65	12135	15505	34381
75	11008	12659	23667
85	0	3269	13076

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_107_BX_SO_359_S1.IES

CANDELA TABULATION

	0	5	10	15	20	25	30	35	40	45
0.0	919.02	919.02	919.02	919.02	919.02	919.02	919.02	919.02	919.02	919.02
1.0	882.30	881.28	880.26	886.38	902.70	918.00	925.14	926.16	927.18	928.20
3.0	875.16	875.16	874.14	882.30	898.62	912.90	919.02	920.04	922.08	923.10
5.0	859.86	859.86	859.86	868.02	886.38	899.64	904.74	906.78	909.84	911.88
7.0	830.28	830.28	831.30	839.46	858.84	875.16	878.22	882.30	887.40	893.52
9.0	794.58	794.58	795.60	803.76	823.14	840.48	844.56	850.68	858.84	867.00
11.0	755.82	755.82	755.82	763.98	785.40	798.66	803.76	812.94	824.16	836.40
13.0	703.80	704.82	706.86	717.06	737.46	752.76	758.88	771.12	786.42	802.74
15.0	650.76	651.78	655.86	667.08	687.48	701.76	706.86	721.14	740.52	759.90
17.0	593.64	594.66	597.72	614.04	634.44	645.66	651.78	669.12	691.56	714.00
19.5	517.14	519.18	526.32	544.68	563.04	572.22	580.38	603.84	629.34	656.88
22.5	433.50	435.54	442.68	457.98	474.30	484.50	493.68	519.18	549.78	583.44
25.5	354.96	357.00	364.14	377.40	390.66	398.82	411.06	438.60	469.20	504.90
29.0	274.38	276.42	282.54	293.76	308.04	315.18	326.40	349.86	381.48	416.16
33.0	202.98	204.00	209.10	218.28	230.52	238.68	246.84	268.26	295.80	328.44
37.5	146.88	147.90	151.98	158.10	165.24	170.34	178.50	196.86	219.30	245.82
42.5	106.08	107.10	109.14	113.22	118.32	123.42	128.52	139.74	155.04	175.44
47.5	80.58	81.60	82.62	85.68	88.74	91.80	95.88	103.02	114.24	127.50
55.0	57.12	57.12	58.14	59.16	61.20	63.24	65.28	70.38	75.48	82.62
65.0	36.72	36.72	36.72	37.74	38.76	38.76	39.78	41.82	43.86	46.92
75.0	20.40	20.40	20.40	20.40	20.40	21.42	21.42	22.44	22.44	23.46
85.0	0.00	0.00	0.00	0.00	0.00	0.00	1.02	1.02	1.02	2.04
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	50	55	60	65	70	75	80	85	90
0.0	919.02	919.02	919.02	919.02	919.02	919.02	919.02	919.02	919.02
1.0	928.20	929.22	930.24	931.26	932.28	933.30	933.30	933.30	935.34
3.0	924.12	926.16	929.22	930.24	931.26	934.32	935.34	933.30	933.30
5.0	915.96	918.00	921.06	924.12	927.18	929.22	933.30	931.26	931.26
7.0	898.62	903.72	908.82	913.92	918.00	922.08	927.18	927.18	927.18
9.0	875.16	884.34	892.50	899.64	907.80	912.90	918.00	922.08	923.10
11.0	848.64	859.86	872.10	887.40	896.58	904.74	911.88	912.90	913.92
13.0	819.06	835.38	850.68	864.96	878.22	888.42	899.64	901.68	903.72
15.0	781.32	801.72	821.10	840.48	857.82	874.14	885.36	892.50	894.54
17.0	740.52	765.00	790.50	813.96	834.36	851.70	865.98	877.20	880.26
19.5	686.46	718.08	748.68	777.24	801.72	828.24	843.54	851.70	854.76
22.5	618.12	654.84	690.54	726.24	757.86	786.42	805.80	819.06	822.12
25.5	542.64	584.46	626.28	667.08	704.82	738.48	763.98	780.30	785.40
29.0	456.96	500.82	547.74	594.66	637.50	676.26	707.88	725.22	732.36
33.0	369.24	412.08	459.00	507.96	554.88	598.74	633.42	652.80	659.94
37.5	279.48	319.26	364.14	411.06	457.98	500.82	537.54	559.98	566.10
42.5	201.96	232.56	270.30	311.10	352.92	391.68	426.36	446.76	453.90
47.5	145.86	168.30	195.84	227.46	261.12	293.76	321.30	338.64	345.78
55.0	91.80	104.04	120.36	138.72	159.12	180.54	197.88	209.10	214.20
65.0	51.00	56.10	62.22	70.38	79.56	88.74	96.90	102.00	104.04
75.0	25.50	27.54	29.58	31.62	34.68	37.74	40.80	42.84	43.86
85.0	4.08	6.12	7.14	7.14	8.16	8.16	8.16	8.16	8.16
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_107_BX_SO_359_S1.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	285.97	N.A.	25.60
0-30	525.93	N.A.	47.10
0-40	718.18	N.A.	64.30
0-60	976.28	N.A.	87.50
0-80	1098.33	N.A.	98.40
0-90	1116.16	N.A.	100.00
10-90	1047.05	N.A.	93.80
20-40	432.21	N.A.	38.70
20-50	601.89	N.A.	53.90
40-70	336.31	N.A.	30.10
60-80	122.05	N.A.	10.90
70-80	43.84	N.A.	3.90
80-90	17.83	N.A.	1.60
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1116.16	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	69.11
10-20	216.86
20-30	239.96
30-40	192.25
40-50	169.68
50-60	88.43
60-70	78.20
70-80	43.84
80-90	17.83
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

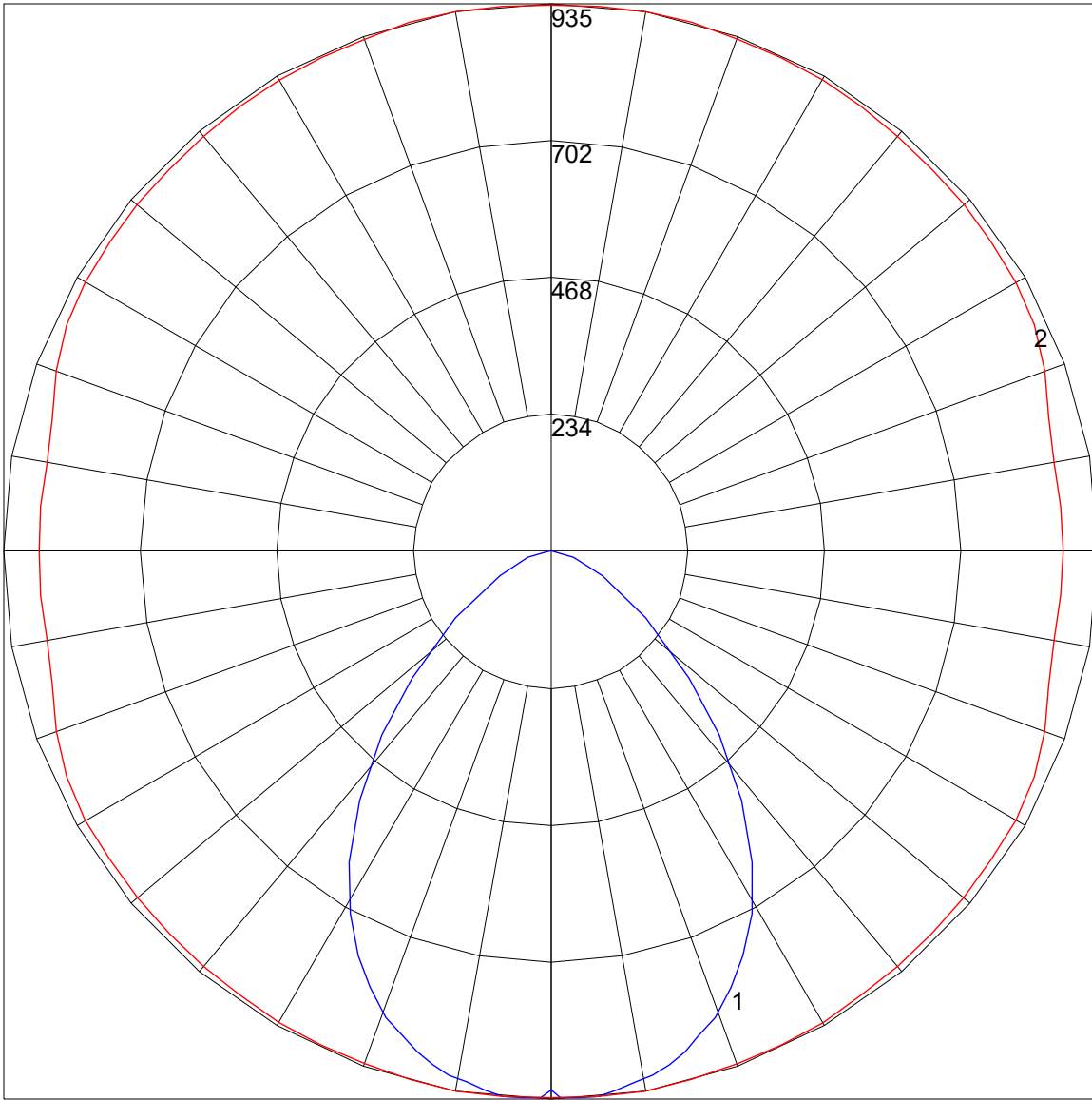
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88
2	103	96	90	85	100	94	89	85	91	86	83	87	84	81	85	82	79	77
3	95	87	80	74	93	85	79	74	82	77	73	80	75	71	77	74	70	68
4	89	79	72	66	87	78	71	65	75	69	65	73	68	64	71	67	63	61
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55
6	78	66	59	53	76	66	58	53	64	58	53	62	57	52	61	56	52	50
7	73	61	54	49	72	61	54	48	59	53	48	58	52	48	57	52	48	46
8	69	57	50	45	67	56	49	45	55	49	44	54	48	44	53	48	44	42
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39
10	61	50	43	38	60	49	43	38	48	42	38	48	42	38	47	41	38	36

POLAR GRAPH



Maximum Candela = 935.34 Located At Horizontal Angle = 80, Vertical Angle = 3
1 - Vertical Plane Through Horizontal Angles (80 - 260) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (3) (Through Max. Cd.)