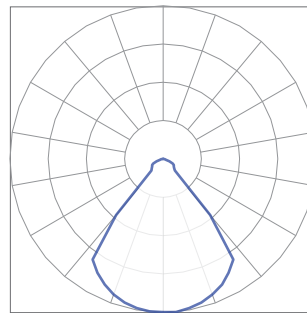


BoxRail® | 107

107-BX-X-4-48-X-X-X-X-X-Z-SO-35-WB-X-X-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, 80+ CRI
Optics	White Baffle

Performance Summary

	2700K	3000K	3500K	4000K
Color Temperature	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	64	66	67	67
Total Lumens, 4' rail (1219mm)	1526	1574	1606	1606
Lumens per foot (305mm)	381	393	401	401
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	-	-	85	-

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IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_107_BX_SO_35_WB.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L071704206 (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-35-WB
[LUMINAIRE] BoxRail LED, 48", 3500K, 80 CRI, zipper board,
[MORE] white baffle, standard output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1601
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	24.09
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	0.76
Spacing Criterion (Diagonal)	0.98
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.08 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	6642	13692	10721
55	6536	8979	8620
65	7117	6727	7019
75	3661	4139	4935
85	2364	2364	2364

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_107_BX_SO_35_WB.IES

CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0	1239.00	1239.00	1239.00	1239.00	1239.00	1239.00	1239.00	1239.00	1239.00	1239.00
5	1236.64	1235.46	1234.28	1233.10	1229.56	1226.02	1222.48	1217.76	1213.04	1208.32
10	1223.66	1222.48	1216.58	1208.32	1195.34	1182.36	1168.20	1155.22	1141.06	1128.08
15	1202.42	1198.88	1185.90	1165.84	1143.42	1121.00	1099.76	1077.34	1056.10	1036.04
20	1168.20	1161.12	1138.70	1109.20	1079.70	1047.84	1017.16	987.66	955.80	923.94
25	1119.82	1109.20	1076.16	1040.76	1000.64	960.52	920.40	876.74	836.62	800.04
30	1062.00	1046.66	1005.36	960.52	910.96	861.40	809.48	759.92	711.54	669.06
35	993.56	973.50	925.12	869.66	813.02	752.84	693.84	636.02	580.56	534.54
40	592.36	597.08	614.78	638.38	645.46	618.32	565.22	507.40	448.40	395.30
45	134.52	140.42	151.04	165.20	193.52	237.18	292.64	326.86	307.98	277.30
50	118.00	122.72	129.80	138.06	147.50	160.48	175.82	189.98	198.24	204.14
55	107.38	110.92	114.46	120.36	127.44	135.70	143.96	146.32	146.32	147.50
60	101.48	102.66	102.66	103.84	105.02	108.56	109.74	110.92	112.10	112.10
65	86.14	84.96	83.78	81.42	79.06	79.06	79.06	79.06	80.24	81.42
70	55.46	55.46	54.28	51.92	50.74	50.74	50.74	51.92	53.10	54.28
75	27.14	27.14	27.14	27.14	27.14	27.14	28.32	29.50	29.50	30.68
80	14.16	14.16	14.16	12.98	12.98	12.98	12.98	12.98	14.16	14.16
85	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>
0	1239.00	1239.00	1239.00	1239.00	1239.00	1239.00	1239.00	1239.00	1239.00
5	1207.14	1200.06	1195.34	1191.80	1188.26	1185.90	1184.72	1183.54	1183.54
10	1121.00	1108.02	1096.22	1087.96	1082.06	1076.16	1072.62	1070.26	1069.08
15	1019.52	999.46	980.58	965.24	953.44	942.82	935.74	931.02	929.84
20	894.44	873.20	842.52	822.46	805.94	792.96	783.52	778.80	776.44
25	764.64	732.78	702.10	677.32	656.08	639.56	627.76	620.68	618.32
30	630.12	590.00	556.96	528.64	505.04	487.34	474.36	466.10	463.74
35	487.34	441.32	409.46	378.78	355.18	339.84	329.22	324.50	322.14
40	346.92	313.88	297.36	286.74	278.48	272.58	267.86	265.50	264.32
45	261.96	250.16	241.90	234.82	227.74	223.02	219.48	218.30	217.12
50	202.96	198.24	193.52	188.80	185.26	181.72	179.36	177.00	177.00
55	149.86	151.04	151.04	148.68	146.32	145.14	143.96	142.78	141.60
60	113.28	113.28	114.46	114.46	114.46	114.46	113.28	113.28	112.10
65	82.60	82.60	83.78	84.96	84.96	86.14	86.14	84.96	84.96
70	55.46	56.64	57.82	59.00	59.00	60.18	60.18	60.18	60.18
75	31.86	34.22	34.22	35.40	36.58	36.58	37.76	37.76	36.58
80	15.34	15.34	16.52	17.70	17.70	17.70	18.88	18.88	18.88
85	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90
90	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_35_WB.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	407.14	N.A.	25.40
0-30	787.38	N.A.	49.20
0-40	1147.03	N.A.	71.60
0-60	1476.76	N.A.	92.20
0-80	1594.08	N.A.	99.50
0-90	1601.47	N.A.	100.00
10-90	1488.24	N.A.	92.90
20-40	739.89	N.A.	46.20
20-50	944.22	N.A.	59.00
40-70	411.68	N.A.	25.70
60-80	117.32	N.A.	7.30
70-80	35.37	N.A.	2.20
80-90	7.39	N.A.	0.50
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	1601.47	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	113.23
10-20	293.91
20-30	380.24
30-40	359.65
40-50	204.32
50-60	125.41
60-70	81.95
70-80	35.37
80-90	7.39
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

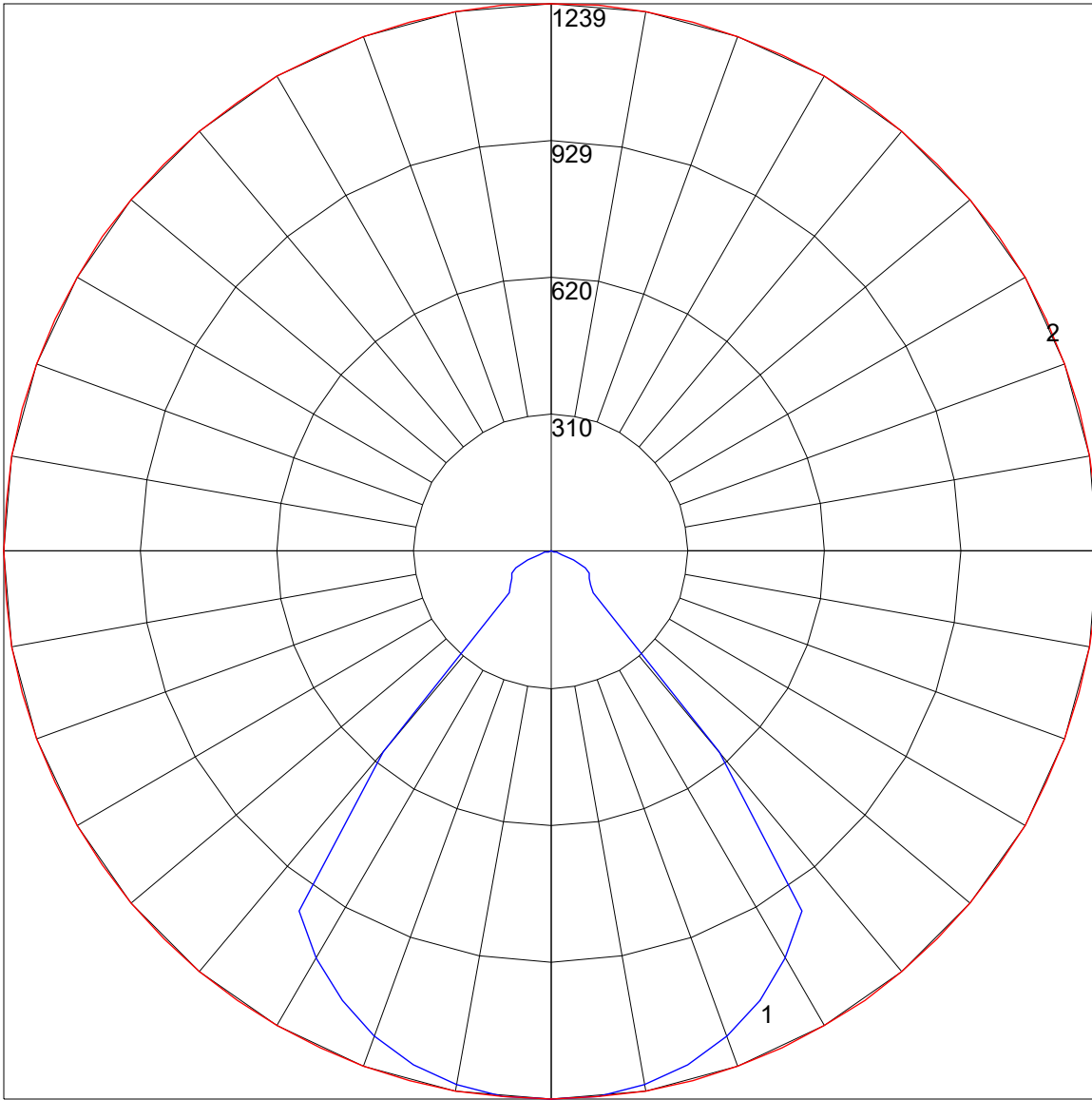
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_107_BX_SO_35_WB.IES

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	111	111	111	106	106	106	102	102	102	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	95	93	92	90
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	72
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45
9	67	55	48	44	65	55	48	43	54	48	43	53	47	43	52	47	43	41
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	44	40	38

POLAR GRAPH



Maximum Candela = 1239 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)