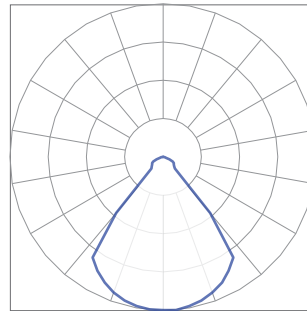


BoxRail® | 107

107-BX-X-4-48-X-X-X-X-X-Z-HO-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	High Output
Color Temperature	3500K, 80+ CRI
Optics	White Baffle

Performance Summary

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	59	61	62	64
Total Lumens, 4' rail (1219mm)	2898	2990	3051	3112
Lumens per foot (305mm)	725	748	763	778
Input Power (W), 4' rail (1219mm)	49.2	49.2	49.2	49.2
Watts per foot (305mm)	12.4	12.4	12.4	12.4
CRI	-	-	85	-

© 2017 Vode Lighting LLC. All rights reserved. The Vode logo and Vode, are either registered trademarks or trademarks of Vode Lighting LLC in the United States and/or other countries. All other brand or product names are trademarks or registered trademarks of their respective owners. No part of the above drawing, design, arrangements or ideas thereon shall be duplicated or used for any purpose whatsoever without the express permission of Vode Lighting LLC. Due to ongoing innovation, specifications may change without notice.



IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_107_BX_HO_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-HO-35-WB
 [LUMINAIRE] BoxRail LED, 48", 3500K, 80 CRI, zipper board,
 [MORE] white baffle, high output
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3054
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	49.22
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	12665	26108	20442
55	12464	17120	16436
65	13570	12826	13384
75	6981	7892	9409
85	4507	4507	4507

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_107_BX_HO_35_WB.IES

CANDELA TABULATION

	0	5	10	15	20	25	30	35	40	45
0	2362.50	2362.50	2362.50	2362.50	2362.50	2362.50	2362.50	2362.50	2362.50	2362.50
5	2358.00	2355.75	2353.50	2351.25	2344.50	2337.75	2331.00	2322.00	2313.00	2304.00
10	2333.25	2331.00	2319.75	2304.00	2279.25	2254.50	2227.50	2202.75	2175.75	2151.00
15	2292.75	2286.00	2261.25	2223.00	2180.25	2137.50	2097.00	2054.25	2013.75	1975.50
20	2227.50	2214.00	2171.25	2115.00	2058.75	1998.00	1939.50	1883.25	1822.50	1761.75
25	2135.25	2115.00	2052.00	1984.50	1908.00	1831.50	1755.00	1671.75	1595.25	1525.50
30	2025.00	1995.75	1917.00	1831.50	1737.00	1642.50	1543.50	1449.00	1356.75	1275.75
35	1894.50	1856.25	1764.00	1658.25	1550.25	1435.50	1323.00	1212.75	1107.00	1019.25
40	1129.50	1138.50	1172.25	1217.25	1230.75	1179.00	1077.75	967.50	855.00	753.75
45	256.50	267.75	288.00	315.00	369.00	452.25	558.00	623.25	587.25	528.75
50	225.00	234.00	247.50	263.25	281.25	306.00	335.25	362.25	378.00	389.25
55	204.75	211.50	218.25	229.50	243.00	258.75	274.50	279.00	279.00	281.25
60	193.50	195.75	195.75	198.00	200.25	207.00	209.25	211.50	213.75	213.75
65	164.25	162.00	159.75	155.25	150.75	150.75	150.75	150.75	153.00	155.25
70	105.75	105.75	103.50	99.00	96.75	96.75	96.75	99.00	101.25	103.50
75	51.75	51.75	51.75	51.75	51.75	51.75	54.00	56.25	56.25	58.50
80	27.00	27.00	27.00	24.75	24.75	24.75	24.75	24.75	27.00	27.00
85	11.25	11.25	11.25	11.25	11.25	11.25	11.25	11.25	11.25	11.25
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**

	50	55	60	65	70	75	80	85	90
0	2362.50	2362.50	2362.50	2362.50	2362.50	2362.50	2362.50	2362.50	2362.50
5	2301.75	2288.25	2279.25	2272.50	2265.75	2261.25	2259.00	2256.75	2256.75
10	2137.50	2112.75	2090.25	2074.50	2063.25	2052.00	2045.25	2040.75	2038.50
15	1944.00	1905.75	1869.75	1840.50	1818.00	1797.75	1784.25	1775.25	1773.00
20	1705.50	1665.00	1606.50	1568.25	1536.75	1512.00	1494.00	1485.00	1480.50
25	1458.00	1397.25	1338.75	1291.50	1251.00	1219.50	1197.00	1183.50	1179.00
30	1201.50	1125.00	1062.00	1008.00	963.00	929.25	904.50	888.75	884.25
35	929.25	841.50	780.75	722.25	677.25	648.00	627.75	618.75	614.25
40	661.50	598.50	567.00	546.75	531.00	519.75	510.75	506.25	504.00
45	499.50	477.00	461.25	447.75	434.25	425.25	418.50	416.25	414.00
50	387.00	378.00	369.00	360.00	353.25	346.50	342.00	337.50	337.50
55	285.75	288.00	288.00	283.50	279.00	276.75	274.50	272.25	270.00
60	216.00	216.00	218.25	218.25	218.25	218.25	216.00	216.00	213.75
65	157.50	157.50	159.75	162.00	162.00	164.25	164.25	162.00	162.00
70	105.75	108.00	110.25	112.50	112.50	114.75	114.75	114.75	114.75
75	60.75	65.25	65.25	67.50	69.75	69.75	72.00	72.00	69.75
80	29.25	29.25	31.50	33.75	33.75	33.75	36.00	36.00	36.00
85	11.25	11.25	11.25	11.25	11.25	11.25	11.25	11.25	11.25
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_HO_35_WB.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	776.32	N.A.	25.40
0-30	1501.36	N.A.	49.20
0-40	2187.14	N.A.	71.60
0-60	2815.86	N.A.	92.20
0-80	3039.56	N.A.	99.50
0-90	3053.65	N.A.	100.00
10-90	2837.75	N.A.	92.90
20-40	1410.81	N.A.	46.20
20-50	1800.42	N.A.	59.00
40-70	784.99	N.A.	25.70
60-80	223.70	N.A.	7.30
70-80	67.44	N.A.	2.20
80-90	14.09	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	3053.65	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	215.90
10-20	560.43
20-30	725.04
30-40	685.78
40-50	389.60
50-60	239.12
60-70	156.26
70-80	67.44
80-90	14.09
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

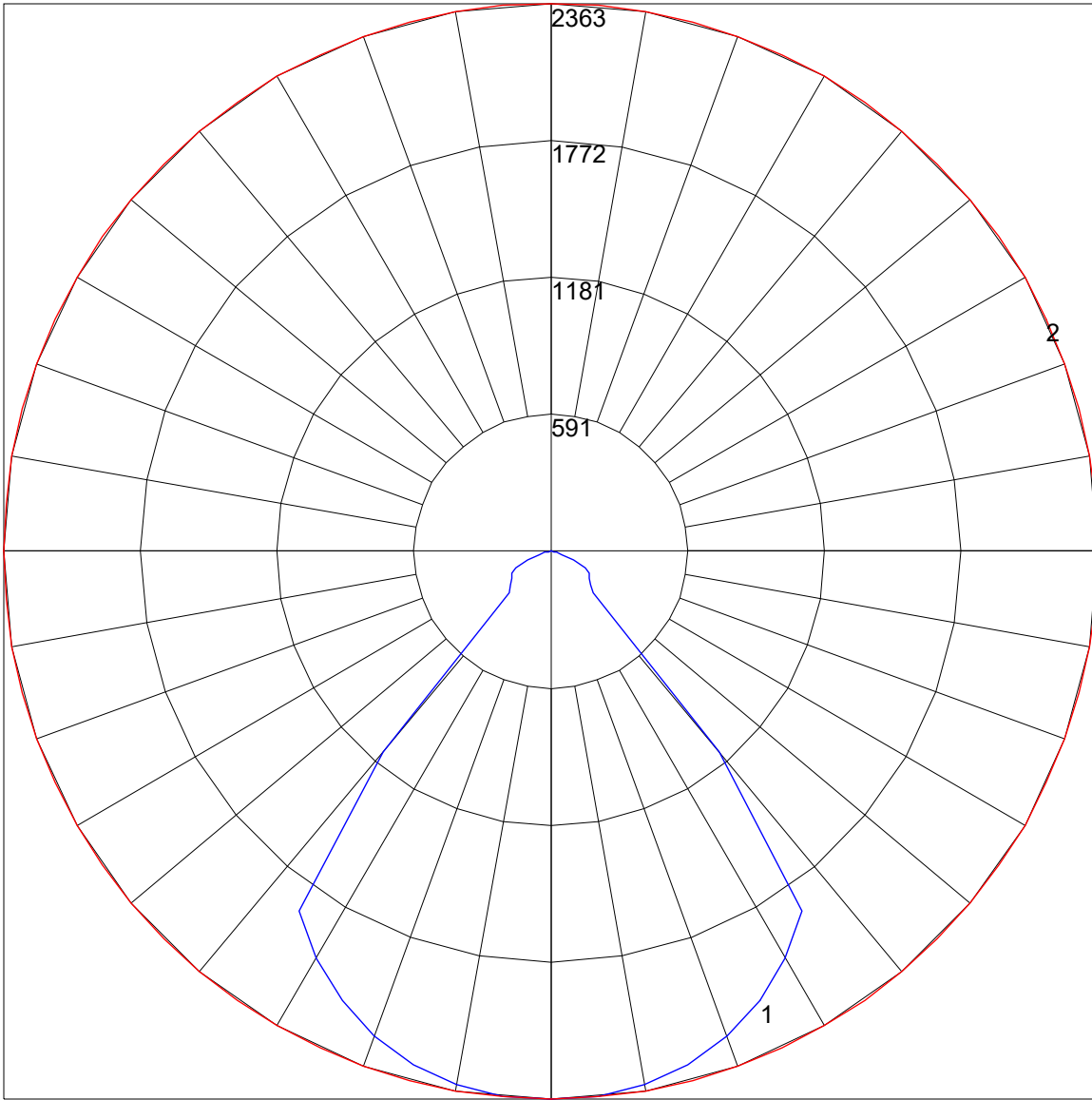
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_107_BX_HO_35_WB.IES

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	94	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	71
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 = 2362.5 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.)