

IES Report

BoxRail® | 107 | Wide Batwing | 80 CRI | LO

107-BX-XX-4-48-XX-XX-XX-XX-X-X-Z-LO-35-G1-X-XX-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	108	111	114	114
Total Lumens, 4' rail length (1219mm)	1485	1532	1564	1564
Lumens per foot (305mm)	371	383	391	391
Input Power (W), 4' rail length (1219mm)	13.8	13.8	13.8	13.8
Watts per foot (305mm)	3.5	3.5	3.5	3.5
CRI	82	82	82	82

Due to the large number of options in Vode's product offering, most Vode IES reports are factored reports prepared from source reports. Source reports are the IES test reports prepared for Vode by an NVLAP accredited photometric test laboratory. Factored reports are based on data from the Vode source reports.

If the data above is in black, it is directly from a Vode source report. If it is in grey, it is factored from Vode source reports. Reference details on Vode source reports can be found on the [IES File Finder](#) page on [vode.com](#).



IES INDOOR REPORT

PHOTOMETRIC FILENAME : VODE_107_BX_LO_35_G1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L022010902 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUEDATE] 12/23/2019

[MANUFAC] Vode Lighting

[LUMCAT] 107-BX-48-Z-LO-35-G1

[LUMINAIRE] BoxRail LED, 48", 3500K, 80 CRI, zipper board, wide batwing lens up,

[MORE] low output, clear anodized finish

[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1564
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	13.82
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.08 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.09 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_107_BX_LO_35_G1.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>
90	2.830	2.830	2.830	2.830	2.830	2.830	2.830	2.830	2.830	2.830
95	13.178	16.211	15.295	15.643	16.170	17.058	17.499	21.013	23.020	24.569
100	50.901	53.424	54.682	57.287	60.639	64.212	68.330	71.810	76.461	76.867
105	122.177	113.802	121.788	124.978	128.621	134.572	139.084	142.889	146.491	145.568
110	227.778	220.284	221.038	225.852	233.636	234.053	242.156	236.188	230.214	215.917
115	364.344	362.848	349.995	343.377	340.269	338.378	329.098	316.077	299.553	279.096
120	463.669	460.769	454.384	442.372	431.340	415.906	399.521	380.927	352.304	322.335
125	528.281	524.906	517.070	507.169	494.792	471.441	450.370	419.839	389.238	354.780
130	555.901	552.920	544.376	531.448	515.701	494.740	468.112	439.222	406.180	372.209
135	555.605	553.094	545.107	532.539	515.156	495.013	469.551	443.155	412.641	382.168
140	537.619	535.056	527.812	516.548	501.578	482.972	460.990	437.059	411.469	385.172
145	509.223	506.937	501.149	492.200	479.515	464.075	446.072	425.627	404.417	382.777
150	476.163	474.098	469.864	462.567	452.835	440.539	426.085	410.408	394.400	376.994
155	441.838	440.336	437.535	431.955	424.914	415.906	405.310	393.930	382.110	370.150
160	409.555	408.761	406.464	403.315	398.303	392.590	386.025	378.131	369.849	362.430
165	381.895	381.309	379.859	378.148	375.828	372.366	368.520	364.315	359.786	354.542
170	361.230	360.911	360.209	359.426	358.457	357.321	356.016	353.951	351.811	349.578
175	348.835	348.684	348.563	348.197	347.925	347.629	347.310	346.968	346.608	346.231
180	344.520	344.520	344.520	344.520	344.520	344.520	344.520	344.520	344.520	344.520

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>
90	2.830	2.830	2.830	2.830	2.830	2.830	2.830	2.830	2.830
95	24.934	30.850	30.131	24.180	22.492	22.643	22.197	21.373	21.831
100	76.746	76.427	70.783	63.052	57.785	53.122	48.946	47.351	47.548
105	141.572	130.564	117.810	102.770	91.512	83.155	77.157	74.118	73.654
110	196.069	178.257	158.792	138.811	123.789	113.692	106.395	102.706	102.538
115	252.109	222.273	195.495	172.498	154.999	143.022	134.769	130.367	130.007
120	290.255	256.256	226.803	203.191	184.225	171.280	163.374	158.276	156.211
125	318.211	284.461	254.568	229.831	210.018	196.423	188.251	183.309	180.861
130	338.407	306.826	278.574	254.243	234.564	219.791	209.838	203.528	198.801
135	351.439	322.973	296.769	275.001	256.923	243.200	234.134	228.497	226.171
140	358.672	334.498	311.820	291.682	275.935	262.995	254.353	249.087	246.639
145	361.520	341.434	322.695	305.869	292.105	281.283	273.168	268.923	266.475
150	360.650	344.920	329.684	317.138	305.341	297.424	290.162	287.170	285.145
155	357.906	346.190	335.466	325.020	317.498	310.845	305.880	303.299	301.432
160	354.595	346.312	338.308	332.584	327.062	321.749	319.423	317.451	315.967
165	349.676	345.686	341.690	337.722	333.807	332.027	330.542	329.191	328.123
170	347.275	344.926	342.600	341.487	340.466	339.515	338.639	337.815	337.119
175	345.842	345.442	345.030	344.619	344.207	343.795	343.377	342.989	342.612
180	344.520	344.520	344.520	344.520	344.520	344.520	344.520	344.520	344.520

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_107_BX_LO_35_G1.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.00	N.A.	0.00
0-60	0.00	N.A.	0.00
0-80	0.00	N.A.	0.00
0-90	0.00	N.A.	0.00
10-90	0.00	N.A.	0.00
20-40	0.00	N.A.	0.00
20-50	0.00	N.A.	0.00
40-70	0.00	N.A.	0.00
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	156.83	N.A.	10.00
90-120	406.95	N.A.	26.00
90-130	718.91	N.A.	46.00
90-150	1257.68	N.A.	80.40
90-180	1563.56	N.A.	100.00
110-180	1406.73	N.A.	90.00
0-180	1563.56	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.00
90-100	29.39
100-110	127.43
110-120	250.12
120-130	311.96
130-140	297.13
140-150	241.65
150-160	171.82
160-170	100.92
170-180	33.14

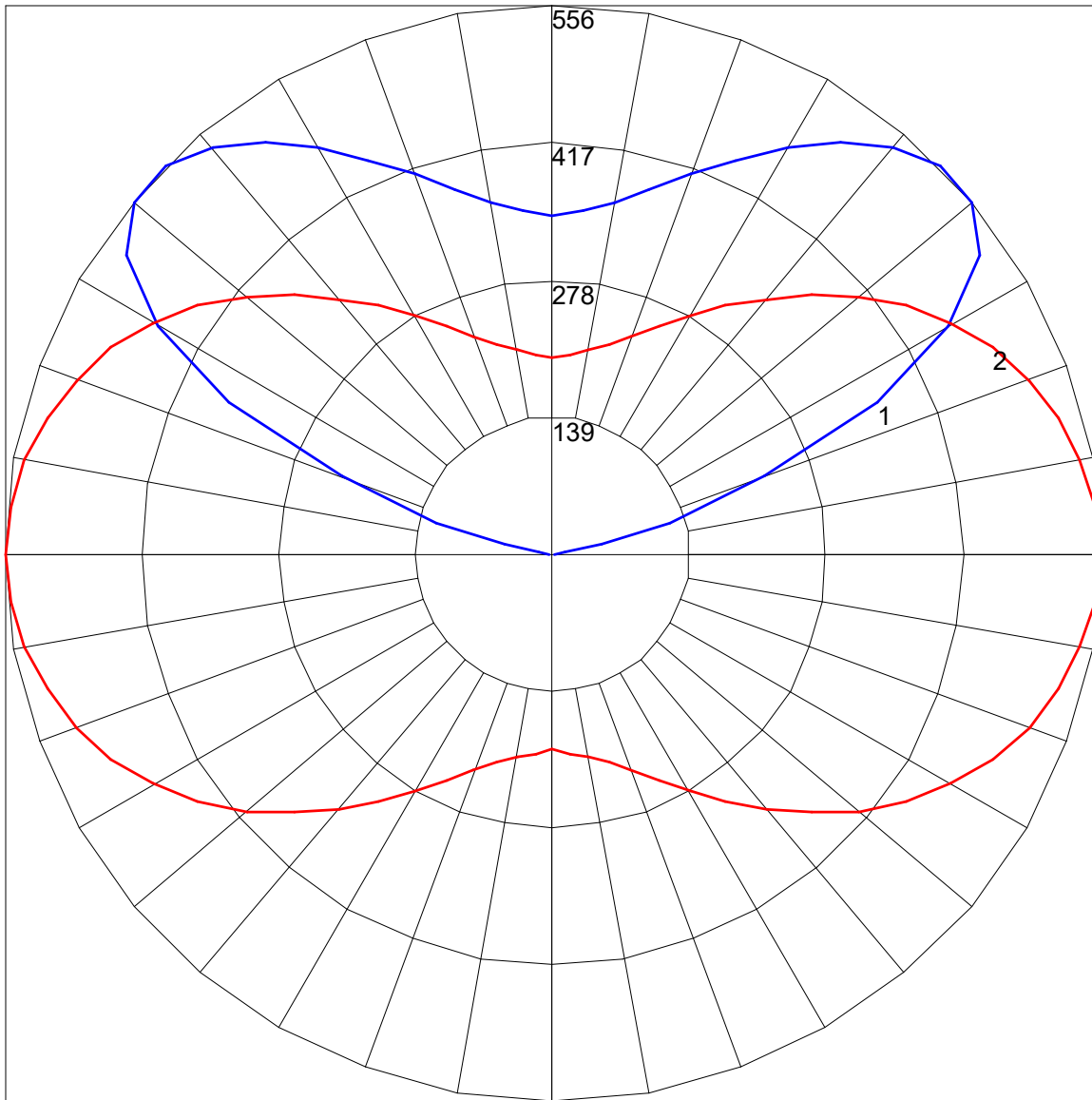
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_107_BX_LO_35_G1.IES

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	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

POLAR GRAPH



Maximum Candela = 555.901 Located At Horizontal Angle = 0, Vertical Angle = 130
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (130) (Through Max. Cd.)