

## IES Report

BoxRail® | 207 | Wide Batwing, up | White Baffle, down | 90 CRI | HO

207-BX-XX-4-48-XX-XX-XX-XX-X-X-Z-HO-359-G1WB-X-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	71	73	74	75
Total Lumens, 4' rail length (1219mm)	7224	7452	7604	7680
Lumens per foot (305mm)	1806	1863	1901	1920
Lumens per foot UP (305mm)	1147	1184	1208	1220
Lumens per foot DOWN (305mm)	659	679	693	700
Input Power (W), 4' rail length (1219mm)	103.1	103.1	103.1	103.1
Watts per foot (305mm)	25.8	25.8	25.8	25.8
CRI	94	94	94	94

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\_207\_BX\_HO\_359\_G1WB\_BL.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] L022010916  
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)  
[ISSUE DATE] 2/26/2020  
[MANUFAC] Vode Lighting  
[LUMCAT] 207-BX-48-Z-HO-359-G1WB-BL  
[LUMINAIRE] BoxRail LED, 48", 3500K, 90 CRI, zipper board, wide batwing lens up,  
[MORE] white baffle w/clear lens down, high output, black anodized finish  
[TEST PROCEDURE] IESNA:LM-79-08

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7604
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	103.13
Ballast Factor	1.00
CIE Type	Semi-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	4632	11416	16249
55	2904	6394	12943
65	2524	3253	9801
75	569	1102	6373
85	211	285	2331

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_207\_BX\_HO\_359\_G1WB\_BL.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>
<b>0</b>	2361.7	2361.7	2361.7	2361.7	2361.7	2361.7	2361.7	2361.7	2361.7	2361.7
<b>5</b>	2356.0	2342.7	2331.3	2319.9	2308.5	2297.1	2287.6	2276.2	2268.6	2259.1
<b>10</b>	2331.3	2308.5	2285.7	2262.9	2242.0	2221.1	2202.1	2166.0	2131.8	2101.4
<b>15</b>	2287.6	2253.4	2219.2	2186.9	2150.8	2095.7	2042.5	1993.1	1945.6	1903.8
<b>20</b>	2223.0	2177.4	2135.6	2086.2	2010.2	1939.9	1871.5	1806.9	1746.1	1691.0
<b>25</b>	2143.2	2090.0	2040.6	1951.3	1858.2	1770.8	1689.1	1613.1	1523.8	1440.2
<b>30</b>	2036.8	1976.0	1903.8	1791.7	1685.3	1584.6	1483.9	1377.5	1276.8	1185.6
<b>35</b>	1890.5	1820.2	1719.5	1596.0	1478.2	1360.4	1242.6	1126.7	1020.3	912.0
<b>40</b>	1113.4	1083.0	1043.1	1026.0	1027.9	1033.6	946.2	839.8	741.0	634.6
<b>45</b>	207.1	248.9	334.4	418.0	452.2	457.9	518.7	516.8	480.7	435.1
<b>50</b>	142.5	155.8	178.6	201.4	226.1	269.8	300.2	321.1	324.9	321.1
<b>55</b>	129.2	138.7	153.9	171.0	188.1	209.0	224.2	229.9	233.7	235.6
<b>60</b>	121.6	125.4	131.1	136.8	144.4	152.0	157.7	159.6	163.4	169.1
<b>65</b>	108.3	104.5	98.8	96.9	98.8	100.7	102.6	106.4	108.3	112.1
<b>70</b>	58.9	57.0	57.0	57.0	57.0	58.9	58.9	60.8	64.6	68.4
<b>75</b>	22.8	22.8	24.7	24.7	24.7	26.6	26.6	28.5	32.3	34.2
<b>80</b>	9.5	11.4	9.5	11.4	11.4	11.4	11.4	11.4	11.4	13.3
<b>85</b>	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
<b>90</b>	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
<b>95</b>	13.3	28.5	26.6	28.5	34.2	41.8	51.3	70.3	79.8	104.5
<b>100</b>	114.0	121.6	127.3	140.6	163.4	188.1	216.6	252.7	285.0	296.4
<b>105</b>	305.9	311.6	332.5	357.2	385.7	446.5	501.6	537.7	577.6	566.2
<b>110</b>	739.1	739.1	761.9	780.9	860.7	908.2	969.0	1005.1	961.4	834.1
<b>115</b>	1463.0	1445.9	1390.8	1417.4	1407.9	1440.2	1362.3	1265.4	1121.0	931.0
<b>120</b>	1930.4	1909.5	1846.8	1770.8	1717.6	1596.0	1478.2	1322.4	1149.5	978.5
<b>125</b>	1936.1	1922.8	1884.8	1825.9	1736.6	1611.2	1478.2	1335.7	1185.6	1033.6
<b>130</b>	1825.9	1814.5	1784.1	1736.6	1664.4	1569.4	1455.4	1335.7	1206.5	1084.9
<b>135</b>	1727.1	1717.6	1689.1	1647.3	1586.5	1506.7	1421.2	1324.3	1225.5	1124.8
<b>140</b>	1628.3	1618.8	1596.0	1563.7	1518.1	1461.1	1390.8	1314.8	1235.0	1157.1
<b>145</b>	1542.8	1535.2	1516.2	1489.6	1451.6	1406.0	1352.8	1290.1	1225.5	1155.2
<b>150</b>	1445.9	1438.3	1423.1	1398.4	1368.0	1330.0	1288.2	1236.9	1178.0	1115.3
<b>155</b>	1322.4	1316.7	1305.3	1286.3	1259.7	1229.3	1191.3	1151.4	1103.9	1052.6
<b>160</b>	1183.7	1179.9	1170.4	1159.0	1138.1	1115.3	1088.7	1056.4	1020.3	988.0
<b>165</b>	1050.7	1048.8	1043.1	1035.5	1024.1	1008.9	993.7	974.7	953.8	929.1
<b>170</b>	944.3	942.4	940.5	936.7	931.0	927.2	919.6	910.1	900.6	891.1
<b>175</b>	875.9	875.9	874.0	874.0	872.1	872.1	870.2	868.3	866.4	866.4
<b>180</b>	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1

**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>
<b>0</b>	2361.7	2361.7	2361.7	2361.7	2361.7	2361.7	2361.7	2361.7	2361.7
<b>5</b>	2251.5	2243.9	2238.2	2232.5	2228.7	2226.8	2223.0	2223.0	2223.0
<b>10</b>	2074.8	2050.1	2029.2	2010.2	1993.1	1979.8	1972.2	1964.6	1964.6
<b>15</b>	1863.9	1827.8	1795.5	1768.9	1748.0	1729.0	1713.8	1704.3	1702.4
<b>20</b>	1634.0	1580.8	1535.2	1493.4	1459.2	1434.5	1409.8	1390.8	1387.0
<b>25</b>	1364.2	1301.5	1246.4	1198.9	1157.1	1124.8	1102.0	1084.9	1083.0
<b>30</b>	1102.0	1024.1	946.2	877.8	822.7	775.2	739.1	714.4	712.5
<b>35</b>	801.8	701.1	649.8	611.8	581.4	554.8	537.7	528.2	526.3
<b>40</b>	568.1	507.3	480.7	465.5	452.2	442.7	435.1	431.3	427.5
<b>45</b>	416.1	399.0	387.6	376.2	366.7	361.0	355.3	351.5	349.6
<b>50</b>	319.2	311.6	304.0	300.2	296.4	290.7	286.9	285.0	285.0
<b>55</b>	237.5	235.6	233.7	233.7	231.8	229.9	228.0	226.1	228.0
<b>60</b>	174.8	172.9	176.7	176.7	176.7	176.7	176.7	174.8	174.8

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_207\_BX\_HO\_359\_G1WB\_BL.IES**

**CANDELA TABULATION - (Cont.)**

<b>65</b>	117.8	119.7	127.3	129.2	129.2	129.2	131.1	131.1	129.2
<b>70</b>	72.2	76.0	79.8	83.6	87.4	87.4	89.3	89.3	89.3
<b>75</b>	36.1	39.9	43.7	47.5	51.3	51.3	53.2	55.1	53.2
<b>80</b>	15.2	15.2	17.1	19.0	20.9	22.8	24.7	24.7	24.7
<b>85</b>	7.6	5.7	5.7	5.7	5.7	5.7	5.7	7.6	7.6
<b>90</b>	5.7	5.7	5.7	3.8	3.8	3.8	1.9	1.9	3.8
<b>95</b>	110.2	100.7	77.9	64.6	49.4	45.6	55.1	55.1	53.2
<b>100</b>	294.5	252.7	201.4	159.6	140.6	134.9	138.7	144.4	142.5
<b>105</b>	516.8	418.0	313.5	247.0	216.6	210.9	216.6	218.5	220.4
<b>110</b>	680.2	518.7	400.9	334.4	307.8	302.1	311.6	319.2	323.0
<b>115</b>	750.5	600.4	494.0	431.3	402.8	397.1	406.6	416.1	419.9
<b>120</b>	824.6	687.8	590.9	530.1	501.6	494.0	497.8	505.4	511.1
<b>125</b>	900.6	784.7	693.5	630.8	594.7	577.6	571.9	573.8	575.7
<b>130</b>	969.0	875.9	796.1	733.4	687.8	655.5	630.8	615.6	608.0
<b>135</b>	1033.6	948.1	872.1	809.4	754.3	706.8	665.0	636.5	621.3
<b>140</b>	1077.3	999.4	923.4	853.1	788.5	729.6	682.1	651.7	634.6
<b>145</b>	1081.1	1008.9	932.9	864.5	798.0	742.9	695.4	670.7	653.6
<b>150</b>	1050.7	984.2	919.6	858.8	799.9	756.2	714.4	699.2	685.9
<b>155</b>	999.4	948.1	898.7	847.4	809.4	775.2	748.6	735.3	723.9
<b>160</b>	951.9	913.9	875.9	849.3	820.8	792.3	782.8	771.4	763.8
<b>165</b>	908.2	889.2	870.2	849.3	830.3	822.7	815.1	807.5	801.8
<b>170</b>	879.7	868.3	856.9	851.2	847.4	841.7	837.9	834.1	830.3
<b>175</b>	864.5	862.6	860.7	858.8	856.9	855.0	853.1	851.2	849.3
<b>180</b>	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1	853.1

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_207\_BX\_HO\_359\_G1WB\_BL.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	756.04	N.A.	9.90
0-30	1446.39	N.A.	19.00
0-40	2073.42	N.A.	27.30
0-60	2607.01	N.A.	34.30
0-80	2763.1	N.A.	36.30
0-90	2772.73	N.A.	36.50
10-90	2560.38	N.A.	33.70
20-40	1317.39	N.A.	17.30
20-50	1659.37	N.A.	21.80
40-70	647.52	N.A.	8.50
60-80	156.09	N.A.	2.10
70-80	42.15	N.A.	0.60
80-90	9.64	N.A.	0.10
90-110	497.57	N.A.	6.50
90-120	1383.04	N.A.	18.20
90-130	2399.99	N.A.	31.60
90-150	4001.92	N.A.	52.60
90-180	4831.48	N.A.	63.50
110-180	4333.92	N.A.	57.00
0-180	7604.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	212.35
10-20	543.69
20-30	690.36
30-40	627.03
40-50	341.98
50-60	191.61
60-70	113.94
70-80	42.15
80-90	9.64
90-100	84.79
100-110	412.78
110-120	885.47
120-130	1016.95
130-140	895.09
140-150	706.84
150-160	481.01
160-170	265.28
170-180	83.28

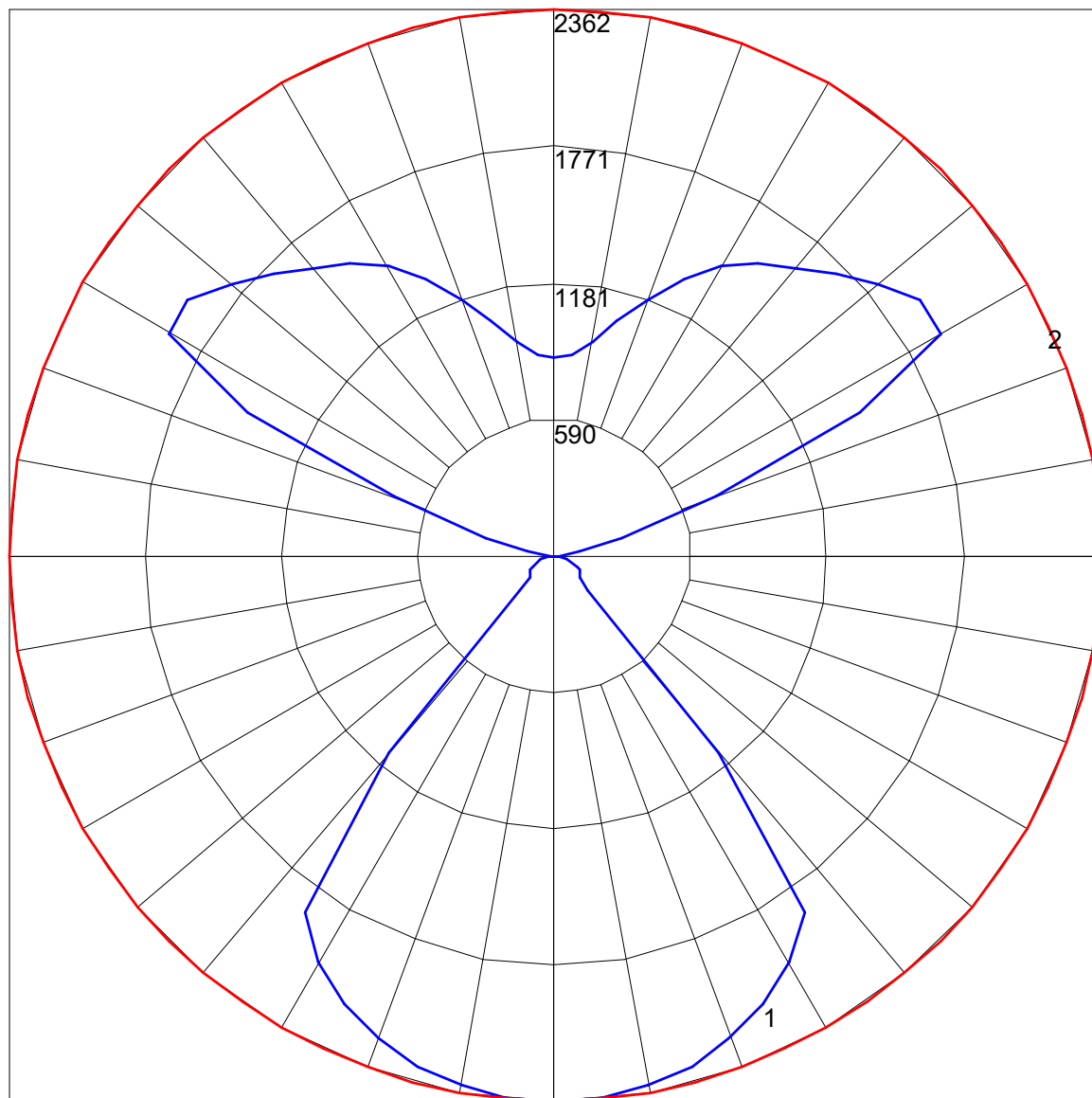
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_207\_BX\_HO\_359\_G1WB\_BL.IES**

**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	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44	36
1	96	92	89	86	87	84	81	78	68	66	64	54	52	51	40	40	39	33
2	88	82	76	72	80	75	70	66	61	58	55	49	47	45	37	36	35	30
3	81	73	67	61	74	67	61	57	55	51	48	44	42	39	34	32	31	27
4	75	66	59	53	68	60	54	49	50	46	42	40	37	35	31	30	28	24
5	69	59	52	47	63	54	48	43	45	41	37	37	34	31	29	27	25	22
6	64	54	46	41	59	49	43	38	41	37	33	34	31	28	27	25	23	20
7	60	49	42	37	55	45	39	34	38	33	30	31	28	25	25	23	21	18
8	56	45	38	33	51	41	35	31	35	30	27	29	26	23	23	21	19	17
9	52	41	34	30	48	38	32	28	32	28	25	27	24	21	22	20	18	16
10	49	38	31	27	45	35	29	25	30	26	22	25	22	20	20	18	17	15

POLAR GRAPH



Maximum Candela = 2361.7 Located At Horizontal Angle = 0, Vertical Angle = 0

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

# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)