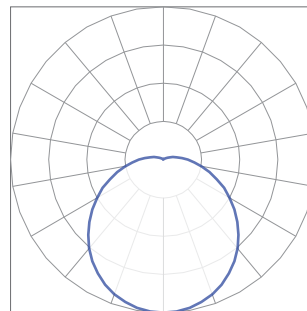


# ZipTwo™ | 707

707-Z2-4-48-X-X-X-0-Z-LO-359-S4-0-WH

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	ZipTwo, 48"
LED Type	Zipper Board
Lumen Output	Low Output
Color Temperature	3500K, 90+ CRI
Optics	Round Diffuse

## Performance Summary

	2700K	3000K	3500K	4000K
Color Temperature	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	71	73	75	76
Total Lumens, 4' rail (1219mm)	1146	1182	1206	1230
Lumens per foot (305mm)	287	296	302	308
Input Power (W), 4' rail (1219mm)	16.3	16.3	16.3	16.3
Watts per foot (305mm)	4.1	4.1	4.1	4.1
CRI	-	-	95	-

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**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z2\_LO\_359\_S4.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L071704231 (SOURCE REPORT FOR REFERENCE)  
 [TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB  
 [ISSUEDATE] 11/1/2017  
 [MANUFAC] Vode Lighting  
 [LUMCAT] 707-Z2-48-Z-LO-359-S4  
 [LUMINAIRE] ZipTwo LED, 48", 3500K, 90 CRI, zipper board,  
 [MORE] round diffuse lens, low output  
 [TEST PROCEDURE] IESNA:LM-79-08

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1206
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	16.25
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.13 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.04 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5804	6051	7192
55	5306	5492	6863
65	4813	4864	6376
75	4331	4161	5428
85	4000	3545	3608

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z2\_LO\_359\_S4.IES**

**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	373.126	373.126	373.126	373.126	373.126
<b>5</b>	371.525	371.632	371.316	371.484	371.525
<b>10</b>	367.123	367.057	366.654	366.506	366.358
<b>15</b>	359.412	359.519	358.693	358.163	357.974
<b>20</b>	349.120	348.891	347.769	346.647	346.627
<b>25</b>	336.121	335.932	334.004	332.586	332.183
<b>30</b>	320.326	319.755	317.444	315.180	314.864
<b>35</b>	302.160	301.502	298.029	295.448	294.918
<b>40</b>	281.744	280.541	276.833	273.299	272.682
<b>45</b>	259.513	258.264	253.353	249.563	248.375
<b>50</b>	236.094	233.871	228.067	223.048	221.993
<b>55</b>	211.828	208.544	201.180	195.208	193.066
<b>60</b>	187.139	183.580	174.879	165.923	164.908
<b>65</b>	163.256	158.595	147.288	136.807	133.100
<b>70</b>	139.286	133.630	120.737	106.804	100.745
<b>75</b>	116.458	110.935	95.727	78.219	70.467
<b>80</b>	95.242	88.786	72.777	52.469	41.330
<b>85</b>	76.143	69.365	53.295	31.273	16.942
<b>90</b>	59.374	53.106	38.622	16.641	2.162
<b>95</b>	45.186	41.055	25.240	7.941	0.637
<b>100</b>	33.288	28.397	16.325	3.728	0.000
<b>105</b>	24.179	19.885	10.353	1.948	0.000
<b>110</b>	16.855	13.551	6.395	1.397	0.000
<b>115</b>	11.393	8.915	4.003	1.336	0.000
<b>120</b>	7.451	5.804	2.688	1.397	0.000
<b>125</b>	4.911	3.835	2.162	1.438	0.000
<b>130</b>	3.346	2.815	1.969	1.504	0.000
<b>135</b>	2.626	2.392	1.928	1.525	0.000
<b>140</b>	2.371	2.244	1.907	1.612	0.000
<b>145</b>	2.244	2.137	1.907	0.000	0.000
<b>150</b>	2.116	2.076	1.907	0.000	0.000
<b>155</b>	2.076	1.969	1.887	0.000	0.000
<b>160</b>	1.989	1.907	0.000	0.000	0.000
<b>165</b>	1.948	1.928	0.000	0.000	0.000
<b>170</b>	1.907	1.907	0.000	0.000	0.000
<b>175</b>	1.861	0.000	0.000	0.000	0.000
<b>180</b>	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z2\_LO\_359\_S4.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	136.58	N.A.	11.30
0-30	290.57	N.A.	24.10
0-40	477.26	N.A.	39.60
0-60	853.69	N.A.	70.80
0-80	1100.39	N.A.	91.20
0-90	1156.43	N.A.	95.90
10-90	1121.12	N.A.	92.90
20-40	340.68	N.A.	28.20
20-50	536.40	N.A.	44.50
40-70	522.77	N.A.	43.30
60-80	246.70	N.A.	20.50
70-80	100.36	N.A.	8.30
80-90	56.04	N.A.	4.60
90-110	39.35	N.A.	3.30
90-120	44.54	N.A.	3.70
90-130	46.87	N.A.	3.90
90-150	49.16	N.A.	4.10
90-180	49.92	N.A.	4.10
110-180	10.57	N.A.	0.90
0-180	1206.35	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	35.31
10-20	101.27
20-30	153.99
30-40	186.68
40-50	195.73
50-60	180.70
60-70	146.34
70-80	100.36
80-90	56.04
90-100	27.20
100-110	12.15
110-120	5.19
120-130	2.33
130-140	1.42
140-150	0.88
150-160	0.52
160-170	0.21
170-180	0.04

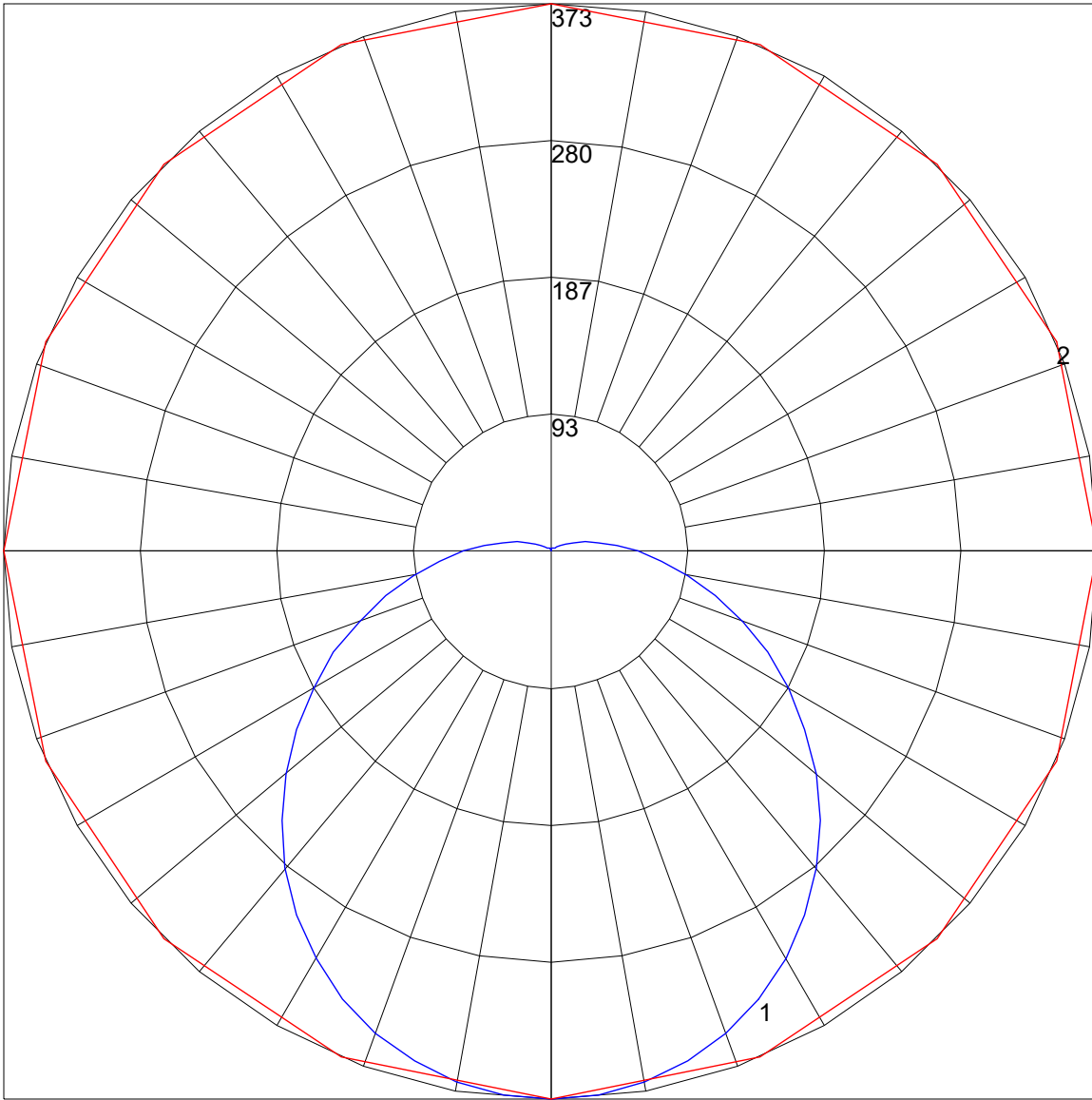
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z2\_LO\_359\_S4.IES**

**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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96
1	106	101	96	92	103	98	94	90	93	90	86	89	86	83	84	82	80	77
2	96	87	80	74	93	85	78	73	81	75	70	77	72	68	73	69	66	63
3	87	76	68	61	85	74	66	60	71	64	58	67	62	57	64	59	55	53
4	80	67	58	51	77	66	57	51	63	55	49	60	53	48	57	52	47	45
5	73	60	51	44	71	59	50	43	56	48	43	54	47	42	51	46	41	39
6	68	54	45	38	65	53	44	38	51	43	37	48	42	36	46	40	36	34
7	63	49	40	34	61	48	39	33	46	38	33	44	37	32	42	36	32	30
8	58	45	36	30	57	44	35	30	42	35	29	40	34	29	39	33	28	26
9	54	41	32	27	53	40	32	27	39	31	26	37	31	26	36	30	26	24
10	51	38	30	24	50	37	29	24	36	29	24	34	28	24	33	27	23	21

POLAR GRAPH



Maximum Candela = 373.126 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.)