



## Vode Rail Lengths

Overview of Vode Rail Length availability. Vode offers standard fixture lengths every 12", and also has the ability to offer custom rail lengths.

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## Vode Rail Lengths

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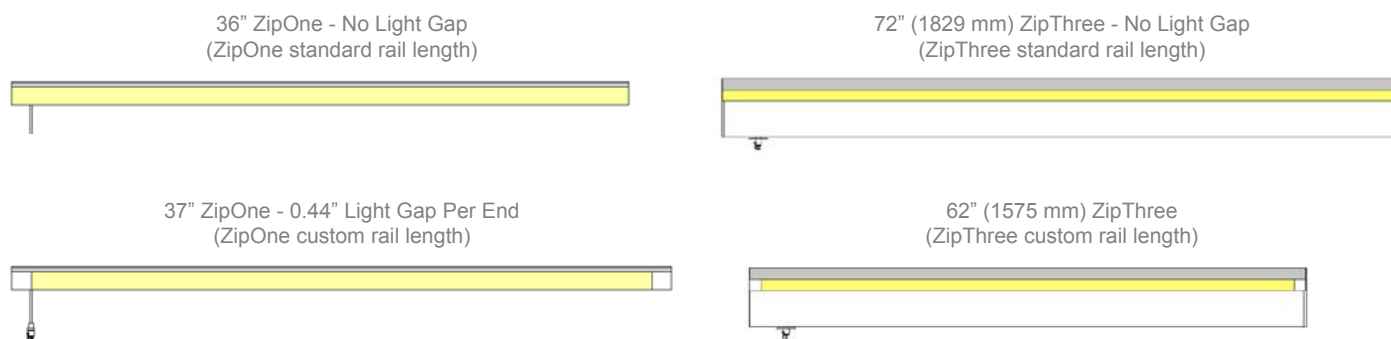
## Introduction

This guide includes technical information to help you understand the different rail lengths Vode can supply. Vode has standard offerings of 24", 36", 48", 60", 72", 96", 108", 120", 132" and 144" length rails. The design and manufacturing process of Vode's fixtures allows for custom lengths to be specified. Vode offers rail lengths from 11" to 144".

Vode's LED boards allow for many fixture lengths to be fully illuminated. Some rail lengths will not be fully illuminated and have a light gap. This is when there is no light from the end of the fixture to the first LED. Vode configures LED boards so they are centered in the fixture. Any light gaps that occur will be evenly spaced on each end of the fixture as standard. Gapping can be consolidated at one end of the rail as well. Please contact factory. The following pages break down all the rail length options and highlight any gaps that may occur.

**NOTE:** Fixture lengths are calculated for AE, AT, AD, AH and AX driver options. Please reference the [Remote Power Guide](#) for AH2 length limitations.

Examples shown below.



## Direct & Indirect Fixtures

### Indirect Light

For indirect lighting applications, a light gap is less noticeable. For lighting installations where the fixture is not seen, such as an indirect cove with ZipWave, we recommend using standard fixture lengths when possible, as the overlapping light output between fixtures compensates for spacing between them. For non-standard length direct/indirect fixtures, such as our 207 BoxRail, any gapping for the indirect portion is typically not noticeable. Depending on how close the fixture is suspended from the ceiling, the light output from the start of one fixture to the next will fill in resulting in minimal gapping.

### Direct Light

For direct lighting, a light gap may be visible for some non-standard fixture lengths. When the fixture is turned on a predetermined portion on **both ends** of the fixture will not be illuminated. Please reference the system specific guide on the following pages to locate the gap size according to fixture length.

System 107

BoxRail, RaceRail, and WingRail are offered in rail lengths up to 72"  
DoubleBox and DoubleRace are offered in rail lengths up to 96"

Rail Length (in)	Light Gap (in) (Zipper Board) (per rail end)	Light Gap (in) (Button Board) (per rail end)
11	---	---
12	---	---
13	0.5	1
14	---	---
15	---	1
16	0.5	2
17	1	3
18	1.5	4
19	2	5
20	---	6
21	---	7
22	0.5	---
23	---	1
24	Standard Rail Length	
25	0.5	1
26	---	---
27	---	1
28	0.5	2
29	---	3
30	---	4
31	0.5	5
32	---	---
33	---	1
34	0.5	---
35	---	1
36	Standard Rail Length	
37	0.5	1
38	---	---
39	---	1
40	0.5	2
41	---	3
42	---	---
43	0.5	1
44	---	---
45	---	1
46	0.5	---
47	---	1
48	Standard Rail Length	
49	0.5	1
50	---	---
51	---	1

Rail Length (in)	Light Gap (in) (Zipper Board) (per rail end)	Light Gap (in) (Button Board) (per rail end)
52	0.5	---
53	---	1
54	---	---
55	0.5	1
56	---	---
57	---	1
58	0.5	---
59	---	1
60	Standard Rail Length	
61	0.5	1
62	---	---
63	---	1
64	0.5	---
65	---	1
66	---	---
67	0.5	1
68	---	---
69	---	1
70	---	---
71	---	1
72	Standard Rail Length	
73	---	1
74	---	---
75	---	1
76	0.5	---
77	---	1
78	---	---
79	0.5	1
80	---	---
81	---	1
82	0.5	---
83	---	1
84	---	---
85	0.5	1
86	---	---
87	---	1
88	0.5	---
89	---	1
90	---	---
91	0.5	1
92	---	---

System 107

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Rail Length (in)	Light Gap (in) (Zipper Board) (per rail end)	Light Gap (in) (Button Board) (per rail end)
93	---	1
94	0.5	---
95	---	1
96	Standard Rail Length	

System 207

Rail Length (in)	Light Gap Downlight (in) (Zipper Board) (per rail end)	Light Gap Uplight (in) (Zipper Board) (per rail end)
24	Standard Rail Length	
25	0.33	0.5
26	0.83	1
27	1.33	---
28	0.33	0.5
29	0.83	1
30	---	---
31	0.33	0.5
32	0.83	1
33	---	---
34	0.33	0.5
35	0.83	1
36	Standard Rail Length	
37	0.33	0.5
38	0.83	1
39	---	---
40	0.33	0.5
41	0.83	1
42	---	---
43	0.33	0.5
44	0.83	1
45	---	---
46	0.33	0.5
47	0.83	1
48	Standard Rail Length	
49	0.33	0.5
50	0.83	1
51	---	---
52	0.33	0.5
53	0.83	1
54	---	---
55	0.33	0.5
56	0.83	1
57	---	---
58	0.33	0.5
59	0.83	1
60	Standard Rail Length	
61	0.33	0.5
62	0.83	---
63	---	---
64	0.33	0.5
65	0.83	1
66	---	---

Rail Length (in)	Light Gap Downlight (in) (Zipper Board) (per rail end)	Light Gap Uplight (in) (Zipper Board) (per rail end)
67	0.33	0.5
68	0.83	1
69	---	---
70	0.33	0.5
71	0.83	---
72	Standard Rail Length	
73	0.33	0.5
74	0.83	---
75	---	---
76	0.33	0.5
77	0.83	1
78	---	---
79	0.33	0.5
80	0.83	1
81	1.33	---
82	0.33	0.5
83	0.83	1
84	1.33	---
85	0.36	0.5
86	0.86	1
87	---	---
88	0.35	0.5
89	0.85	1
90	---	---
91	0.85	0.5
92	0.85	1
93	---	---
94	0.33	0.5
95	0.83	1
96	Standard Rail Length	
97	0.33	0.5
98	0.83	1
99	1.33	---
100	1.83	0.5
101	2.33	1
102	2.83	1.5
103	3.33	2
104	3.83	2.5
105	4.33	3
106	0.37	3.5
107	0.87	4
108	---	---
109	0.37	0.5

System 207

Rail Length (in)	Light Gap <b>Downlight</b> (in) (Zipper Board) (per rail end)	Light Gap <b>Uplight</b> (in) (Button Board) (per rail end)
110	0.86	1
111	---	---
112	0.36	0.5
113	0.86	1
114	---	---
115	0.35	0.5
116	0.85	1
117	---	---
118	0.33	0.5
119	0.83	---
<b>120</b>	<b>Standard Rail Length</b>	
121	0.33	0.5
122	0.83	---
123	1.33	---
124	1.83	0.5
125	2.33	1
126	2.83	1.5
127	0.38	2
128	0.88	2.5
129	1.33	---
130	0.37	0.5
131	0.87	1
132	---	---
133	0.36	0.5
134	0.86	1
135	---	---
136	0.36	0.5
137	0.86	1
138	---	---
139	0.36	0.5
140	0.85	---
141	---	---
142	0.33	0.5
143	---	---
<b>144</b>	<b>Standard Rail Length</b>	

System 707 | ZipOne | ZipTwo Micro 3508, Round 3515

Rail Length (in)	Light Gap (in) (Zipper Board) (per rail end)	Rail Length (in)	Light Gap (in) (Zipper Board) (per rail end)	Rail Length (in)	Light Gap (in) (Zipper Board) (per rail end)
9.25	---	49	0.44	90	---
10	0.44	50	0.94	91	0.43
11	0.94	51	---	92	0.93
12	---	52	0.44	93	---
13	0.44	53	0.94	94	0.43
14	0.94	54	---	95	0.93
15	1.44	55	0.44	<b>96</b>	<b>Standard Rail Length</b>
16	1.94	56	0.94	97	0.41
17	2.44	57	---	98	0.91
18	2.94	58	0.44	99	1.41
19	0.44	59	0.94	100	1.91
20	0.94	<b>60</b>	<b>Standard Rail Length</b>	101	2.41
21	---	61	0.44	102	2.91
22	0.44	62	0.94	103	3.41
23	0.94	63	---	104	3.91
<b>24</b>	<b>Standard Rail Length</b>	64	0.44	105	4.41
25	0.44	65	0.94	106	0.46
26	0.94	66	---	107	0.96
27	1.44	67	0.44	<b>108</b>	<b>Standard Rail Length</b>
28	0.44	68	0.94	109	0.45
29	0.94	69	---	110	0.95
30	---	70	0.44	111	---
31	0.44	71	0.94	112	0.44
32	0.94	<b>72</b>	<b>Standard Rail Length</b>	113	0.94
33	---	73	0.44	114	---
34	0.44	74	0.94	115	0.43
35	0.94	75	---	116	0.93
<b>36</b>	<b>Standard Rail Length</b>	76	0.44	117	---
37	0.44	77	0.94	118	0.42
38	0.94	78	---	119	0.92
39	---	79	0.44	<b>120</b>	<b>Standard Rail Length</b>
40	0.44	80	0.94	121	0.41
41	0.94	81	1.44	122	0.91
42	---	82	0.44	123	1.41
43	0.44	83	0.94	124	1.91
44	0.94	84	1.44	125	2.41
45	---	85	0.45	126	2.91
46	0.44	86	0.95	127	0.46
47	0.94	87	---	128	0.96
<b>48</b>	<b>Standard Rail Length</b>	88	0.44	129	---
		89	0.94		



System 707 | ZipOne | ZipTwo Micro 3508, Round 3515

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Rail Length (in)	Light Gap (in) (Zipper Board) (per rail end)
130	0.46
131	0.96
<b>132</b>	<b>Standard Rail Length</b>
133	0.45
134	0.95
135	---
136	0.44
137	0.94
138	---
139	0.43
140	0.93
141	---
142	0.42
143	---
<b>144</b>	<b>Standard Rail Length</b>

## System 707 | Wedge | ZipTwo Square 3520, 3535, 3535/30, 3555, 3570, 5020

Rail Length (in)	Light Gap (in) (Zipper Board) (per rail end)	Rail Length (in)	Light Gap (in) (Zipper Board) (per rail end)	Rail Length (in)	Light Gap (in) (Zipper Board) (per rail end)
10	0.5	50	1	91	0.5
11	1	51	---	92	1
12	1.5	52	0.5	93	---
13	0.5	53	1	94	0.5
14	1	54	---	95	1
15	1.5	55	0.5	<b>96</b>	<b>Standard Rail Length</b>
16	2	56	1	97	0.5
17	2.5	57	---	98	1
18	3	58	0.5	99	1.5
19	0.5	59	1	100	2
20	1	<b>60</b>	<b>Standard Rail Length</b>	101	2.5
21	1.5	61	0.5	102	3
22	0.5	62	1	103	3.5
23	1	63	---	104	4
<b>24</b>	<b>Standard Rail Length</b>	64	0.5	105	4.5
25	0.5	65	1	106	0.5
26	1	66	---	107	1
27	1.5	67	0.5	108	1.375
28	0.5	68	1	109	0.5
29	1	69	---	110	1
30	1.5	70	0.5	111	---
31	0.5	71	1	112	0.5
32	1	<b>72</b>	<b>Standard Rail Length</b>	113	1
33	---	73	0.5	114	---
34	0.5	74	1	115	0.5
35	1	75	---	116	1
<b>36</b>	<b>Standard Rail Length</b>	76	0.5	117	---
37	0.5	77	1	118	0.5
38	1	78	---	119	1
39	1.5	79	0.5	<b>120</b>	<b>Standard Rail Length</b>
40	0.5	80	1	121	0.5
41	1	81	1.5	122	1
42	---	82	0.5	123	1.5
43	0.5	83	1	124	2
44	1	84	1.5	125	2.5
45	---	85	0.5	126	3
46	0.5	86	1	127	0.5
47	1	87	1.5	128	1
<b>48</b>	<b>Standard Rail Length</b>	88	0.5	129	---
49	0.5	89	1	130	0.5
		90	---		

System 707 | ZipTwo Square 3520, 3535, 3535/30, 3555, 3570, 5020

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Rail Length (in)	Light Gap (in) (Zipper Board) (per rail end)
131	1
<b>132</b>	<b>Standard Rail Length</b>
133	0.5
134	1
135	---
136	0.5
137	1
138	---
139	0.5
140	1
141	---
142	0.5
143	1
<b>144</b>	<b>Standard Rail Length</b>

System 707 | ZipThree

Rail Length (in)	Light Gap (in) (Zipper Board) (per rail end)	Rail Length (in)	Light Gap (in) (Zipper Board) (per rail end)	Rail Length (in)	Light Gap (in) (Zipper Board) (per rail end)
10	0.33	50	0.83	91	0.36
11	0.83	51	---	92	0.86
12	1.33	52	0.33	93	---
13	0.33	53	0.83	94	0.35
14	0.83	54	---	95	0.85
15	1.33	55	0.33	96	Standard Rail Length
16	1.83	56	0.83		
17	2.33	57	---		
18	2.83	58	0.33		
19	0.33	59	0.83		
20	0.83	60	Standard Rail Length		
21	1.33	61	0.33		
22	0.33	62	0.83		
23	0.83	63	---		
24	Standard Rail Length	64	0.33		
25	0.33	65	0.83		
26	0.83	66	---		
27	1.33	67	0.33		
28	0.33	68	0.83		
29	0.83	69	---		
30	1.33	70	0.33		
31	0.33	71	0.83		
32	0.83	72	Standard Rail Length		
33	---	73	0.33		
34	0.33	74	0.83		
35	0.83	75	---		
36	Standard Rail Length	76	0.33		
37	0.33	77	0.83		
38	0.83	78	---		
39	1.33	79	0.33		
40	0.33	80	0.83		
41	0.83	81	1.33		
42	---	82	0.33		
43	0.33	83	0.83		
44	0.83	84	1.33		
45	---	85	0.36		
46	0.33	86	0.86		
47	0.83	87	1.36		
48	Standard Rail Length	88	0.36		
49	0.33	89	0.86		
		90	---		

System 807 | Nexa3

Rail Length (in)	Light Gap (in) (Zipper Board) (per rail end)	Rail Length (in)	Light Gap (in) (Zipper Board) (per rail end)	Rail Length (in)	Light Gap (in) (Zipper Board) (per rail end)
9.25	---	49	0.44	<b>90</b>	<b>Standard Rail Length</b>
10	0.44	50	---	91	---
11	0.94	51	---	92	---
12	---	52	---	93	---
13	0.44	53	---	94	---
14	0.94	54	---	95	---
15	1.44	55	---	<b>96</b>	<b>Standard Rail Length</b>
16	1.94	56	---	97	0.41
17	2.44	57	---	98	0.91
18	2.94	58	---	99	1.41
19	0.44	59	---	100	1.91
20	0.94	<b>60</b>	<b>Standard Rail Length</b>	101	2.41
21	---	61	---	102	2.91
22	0.44	62	---	103	3.41
23	---	63	---	104	3.91
<b>24</b>	<b>Standard Rail Length</b>	64	---	105	4.41
25	0.44	65	---	106	0.46
26	0.94	66	---	107	0.96
27	1.44	67	---	<b>108</b>	<b>Standard Rail Length</b>
28	0.44	68	---	109	0.45
29	0.94	69	---	110	---
<b>30</b>	<b>Standard Rail Length</b>	70	---	111	---
31	0.44	71	---	112	---
32	---	<b>72</b>	<b>Standard Rail Length</b>	113	---
33	---	73	---	114	---
34	---	74	---	115	---
35	---	75	---	116	---
<b>36</b>	<b>Standard Rail Length</b>	76	0.44	117	---
37	0.44	77	---	118	---
38	0.94	78	---	119	---
39	---	79	0.44	<b>120</b>	<b>Standard Rail Length</b>
40	0.44	80	0.94	121	0.41
41	---	81	1.44	122	0.91
42	---	82	0.44	123	1.41
43	---	83	0.94	124	1.91
44	---	84	1.44	125	2.41
45	---	85	0.45	126	2.91
46	---	86	0.95	127	0.46
47	---	87	---	128	0.96
<b>48</b>	<b>Standard Rail Length</b>	88	0.44	129	---
		89	---		

System 807 | Nexa3

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Rail Length (in)	Light Gap (in) (Zipper Board) (per rail end)
130	0.46
131	----
<b>132</b>	<b>Standard Rail Length</b>
133	----
134	----
135	----
136	----
137	----
138	----
139	----
140	----
141	----
142	----
143	----
<b>144</b>	<b>Standard Rail Length</b>

System 807 | Nexa5

Rail Length (in)	Light Gap (in) (Zipper Board) (per rail end)	Rail Length (in)	Light Gap (in) (Zipper Board) (per rail end)	Rail Length (in)	Light Gap (in) (Zipper Board) (per rail end)
9.25	---	49	0.44	90	Standard Rail Length
10	0.44	50	---	91	---
11	0.94	51	---	92	---
12	---	52	---	93	---
13	0.44	53	---	94	---
14	0.94	54	---	95	---
15	1.44	55	---	96	Standard Rail Length
16	1.94	56	---		
17	2.44	57	---		
18	2.94	58	---		
19	0.44	59	---		
20	0.94	60	Standard Rail Length		
21	---	61	---		
22	0.44	62	---		
23	---	63	---		
24	Standard Rail Length	64	---		
25	0.44	65	---		
26	0.94	66	---		
27	1.44	67	---		
28	0.44	68	---		
29	0.94	69	---		
30	Standard Rail Length	70	---		
31	0.44	71	---		
32	---	72	Standard Rail Length		
33	---	73	---		
34	---	74	---		
35	---	75	---		
36	Standard Rail Length	76	0.44		
37	0.44	77	---		
38	0.94	78	---		
39	---	79	0.44		
40	0.44	80	0.94		
41	---	81	1.44		
42	---	82	0.44		
43	---	83	0.94		
44	---	84	1.44		
45	---	85	0.45		
46	---	86	0.95		
47	---	87	---		
48	Standard Rail Length	88	0.44		
		89	---		

## System 807 | Nexa Suspended

Rail Length (in)	Light Gap (in) (Zipper Board) (per rail end)	Rail Length (in)	Light Gap (in) (Zipper Board) (per rail end)	Rail Length (in)	Light Gap (in) (Zipper Board) (per rail end)
9.25	---	50	---	90	---
10	0.44	51	---	91	---
11	0.94	52	---	92	---
12	---	53	---	93	---
13	0.44	54	---	94	---
14	0.94	55	---	95	---
15	1.44	56	---	<b>96</b>	<b>Standard Rail Length</b>
16	1.94	57	---		
17	2.44	58	---		
18	2.94	59	---		
19	0.44	<b>60</b>	<b>Standard Rail Length</b>		
20	0.94	61	---		
21	---	62	---		
22	0.44	63	---		
23	---	64	---		
24	---	65	---		
25	0.44	66	---		
26	0.94	67	---		
27	1.44	68	---		
28	0.44	69	---		
29	0.94	70	---		
30	---	71	---		
31	0.44	<b>72</b>	<b>Standard Rail Length</b>		
32	---	73	---		
33	---	74	---		
34	---	75	---		
35	---	76	0.44		
36	---	77	---		
37	0.44	78	---		
38	0.94	79	0.44		
39	---	80	0.94		
40	0.44	81	1.44		
41	---	82	0.44		
42	---	83	0.94		
43	---	84	1.44		
44	---	85	0.45		
45	---	86	0.95		
46	---	87	---		
47	---	88	0.44		
<b>48</b>	<b>Standard Rail Length</b>	89	---		
49	0.44				



System 907 | BoxRail

Rail Length (in)	Light Gap (in) (Zipper Board) (per rail end)	Light Gap (in) (Button Board) (per rail end)
9.25	---	---
10	0.44	---
11	0.94	0.5
12	---	---
13	0.44	0.5
14	0.94	1
15	1.44	1.5
16	1.94	2
17	2.44	2.5
18	2.94	3
19	0.44	3.5
20	0.94	---
21	---	0.5
22	0.44	---
23	0.94	0.5
24	Standard Rail Length	
25	0.44	0.5
26	0.94	1
27	1.44	1.5
28	0.44	2
29	0.94	2.5
30	---	---
31	0.44	0.5
32	0.94	---
33	---	0.5
34	0.44	---
35	0.94	0.5
36	Standard Rail Length	
37	0.44	0.5
38	0.94	1
39	---	1.5
40	0.44	---
41	0.94	0.6
42	---	---
43	0.44	0.6
44	0.94	---
45	---	0.6
46	0.44	---
47	0.94	0.6
48	Standard Rail Length	
49	0.44	0.6
50	0.94	---
51	---	0.6
52	0.44	---

Rail Length (in)	Light Gap (in) (Zipper Board) (per rail end)	Light Gap (in) (Button Board) (per rail end)
53	0.94	0.6
54	---	---
55	0.44	0.6
56	0.94	---
57	---	0.6
58	0.44	---
59	0.94	0.6
60	Standard Rail Length	
61	0.44	0.6
62	0.94	---
63	---	0.7
64	0.44	---
65	0.94	0.7
66	---	---
67	0.44	0.7
68	0.94	---
69	---	0.7
70	0.44	---
71	0.94	0.7
72	Standard Rail Length	
73	0.44	0.7
74	0.94	---
75	---	0.7
76	0.44	---
77	0.94	0.7
78	---	---
79	0.44	0.7
80	0.94	---
81	1.44	0.7
82	0.44	---
83	0.94	0.7
84	0	---
85	0.5	0.7
86	1	---
87	---	0.8
88	0.49	---
89	1	0.8
90	---	---
91	0.47	0.8
92	0.94	---
93	---	0.8
94	0.44	---
95	0.94	0.8
96	---	---