

FLOOR LOAD TABLES

How to Use This Table

1. Calculate total and live load (neglect beam weight) on the beam or header in pounds per linear foot (plf).
2. Select appropriate **Span** (center-to-center of bearing).
3. Scan horizontally to find the proper width, and a depth with a capacity that exceeds actual total and live loads.
4. Review bearing length requirements to ensure adequacy.

Also see **General Notes** on page 19.

2.OE Microllam® LVL: Floor—100% (PLF)

Span	Condition	1¾" Width							3½" Width (2-ply)					
		5½"	7¼"	9¼"	9½"	11¼"	11½"	14"	5½"	7¼"	9¼"	9½"	11¼"	11½"
6'	Total Load	455	762	1,027	1,062	1,324	1,424	1,794	910	1,525	2,055	2,125	2,648	2,848
	Live Load L/360	305	659	*	*	*	*	*	610	1,319	*	*	*	*
	Min. End/Int. Bearing (in.)	1.5/3.5	1.8/4.4	2.4/5.9	2.4/6.1	3/7.6	3.3/8.2	4.1/10.3	1.5/3.5	1.8/4.4	2.4/5.9	2.4/6.1	3/7.6	3.3/8.2
8'	Total Load	153	342	695	731	915	978	1,207	307	685	1,391	1,462	1,830	1,956
	Live Load L/360	133	295	584	628	*	*	*	267	591	1,169	1,257	*	*
	Min. End/Int. Bearing (in.)	1.5/3.5	1.5/3.5	2.1/5.3	2.2/5.6	2.8/7	3/7.5	3.7/9.3	1.5/3.5	1.5/3.5	2.1/5.3	2.2/5.6	2.8/7	3/7.5
9'-6"	Total Load	77	174	491	517	709	784	968	154	349	983	1,034	1,418	1,569
	Live Load L/360	*	*	362	390	624	723	*	*	*	724	780	1,248	1,446
	Min. End/Int. Bearing (in.)	1.5/3.5	1.5/3.5	1.8/4.5	1.9/4.7	2.6/6.5	2.9/7.2	3.5/8.8	1.5/3.5	1.5/3.5	1.8/4.5	1.9/4.7	2.6/6.5	2.9/7.2
10'	Total Load	62	142	443	466	639	707	908	124	284	886	932	1,279	1,415
	Live Load L/360	*	*	313	337	542	628	*	*	*	626	675	1,084	1,257
	Min. End/Int. Bearing (in.)	1.5/3.5	1.5/3.5	1.7/4.3	1.8/4.5	2.5/6.1	2.7/6.8	3.5/8.7	1.5/3.5	1.5/3.5	1.7/4.3	1.8/4.5	2.5/6.1	2.7/6.8
12'	Total Load		67	274	296	442	489	666	57	135	548	593	885	979
	Live Load L/360		*	186	200	325	379	599	*	*	372	401	651	758
	Min. End/Int. Bearing (in.)		1.5/3.5	1.5/3.5	1.5/3.5	2/5.1	2.3/5.7	3.1/7.7	1.5/3.5	1.5/3.5	1.5/3.5	1.5/3.5	2/5.1	2.3/5.7
14'	Total Load			173	188	308	358	487		70	347	376	617	716
	Live Load L/360			119	128	209	244	390		*	238	257	419	489
	Min. End/Int. Bearing (in.)			1.5/3.5	1.5/3.5	1.7/4.2	1.9/4.9	2.6/6.6		1.5/3.5	1.5/3.5	1.5/3.5	1.7/4.2	1.9/4.9
16'-6"	Total Load			105	114	189	222	349			211	229	379	445
	Live Load L/360			73	79	130	152	245			147	159	260	305
	Min. End/Int. Bearing (in.)			1.5/3.5	1.5/3.5	1.5/3.5	1.5/3.6	2.2/5.6			1.5/3.5	1.5/3.5	1.5/3.5	1.5/3.6
18'-6"	Total Load			74	80	134	158	257			148	161	268	316
	Live Load L/360			52	56	93	109	176			105	113	186	218
	Min. End/Int. Bearing (in.)			1.5/3.5	1.5/3.5	1.5/3.5	1.5/3.5	1.9/4.7			1.5/3.5	1.5/3.5	1.5/3.5	1.5/3.5
20'	Total Load			57	62	105	124	204			115	125	211	249
	Live Load L/360			41	45	74	87	140			83	90	148	174
	Min. End/Int. Bearing (in.)			1.5/3.5	1.5/3.5	1.5/3.5	1.5/3.5	1.6/4			1.5/3.5	1.5/3.5	1.5/3.5	1.5/3.5
22'	Total Load					78	92	152			85	92	157	185
	Live Load L/360					56	65	106			63	68	112	131
	Min. End/Int. Bearing (in.)					1.5/3.5	1.5/3.5	1.5/3.5			1.5/3.5	1.5/3.5	1.5/3.5	1.5/3.5
24'	Total Load					59	70	117			63	69	118	140
	Live Load L/360					43	51	82			48	52	86	102
	Min. End/Int. Bearing (in.)					1.5/3.5	1.5/3.5	1.5/3.5			1.5/3.5	1.5/3.5	1.5/3.5	1.5/3.5
26'	Total Load						54	91				52	91	108
	Live Load L/360						40	65				41	68	80
	Min. End/Int. Bearing (in.)						1.5/3.5	1.5/3.5				1.5/3.5	1.5/3.5	1.5/3.5
28'	Total Load							71					71	84
	Live Load L/360							52					55	64
	Min. End/Int. Bearing (in.)							1.5/3.5					1.5/3.5	1.5/3.5
30'	Total Load							57					55	66
	Live Load L/360							42					44	52
	Min. End/Int. Bearing (in.)							1.5/3.5					1.5/3.5	1.5/3.5

* Indicates Total Load value controls.