

LRC LVL ALLOWABLE UNIFORM ROOF LOADS 115%

L R C L V L R O O F U N I F O R M L O A D S

ALLOWABLE UNIFORM ROOF LOADS 115% SNOW* – POUNDS PER LINEAL FOOT – 2.0E LRC LVL

Span (ft)	Depth	One 1¾" LRC LVL			Two 1¾" LRC LVL					Three 1¾" LRC LVL				
		9½"	11⅞"	14"	9½"	11⅞"	14"	16"	18"	9½"	11⅞"	14"	16"	18"
6	LL	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	1224	1640	2066	2447	3279	4132	5049	6102	3671	4919	6198	7573	9152
	BRG	2.5/6.2	3.3/8.3	4.2/10.4	2.5/6.2	3.3/8.3	4.2/10.4	5.1/12.8	6.2/15.4	2.5/6.2	3.3/8.3	4.2/10.4	5.1/12.8	6.2/15.4
8	LL	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	859	1127	1390	1718	2254	2780	3323	3917	2577	3380	4170	4984	5875
	BRG	2.3/5.8	3/7.6	3.8/9.4	2.3/5.8	3/7.6	3.8/9.4	4.5/11.2	5.3/13.2	2.3/5.8	3/7.6	3.8/9.4	4.5/11.2	5.3/13.2
10	LL	556	-	-	1111	-	-	-	-	1667	-	-	-	-
	TL	651	858	1047	1302	1716	2093	2474	2882	1954	2573	3140	3711	4322
	BRG	2.2/5.5	2.9/7.3	3.5/8.8	2.2/5.5	2.9/7.3	3.5/8.8	4.2/10.5	4.9/12.2	2.2/5.5	2.9/7.3	3.5/8.8	4.2/10.5	4.9/12.2
11	LL	418	-	-	835	-	-	-	-	1253	-	-	-	-
	TL	537	766	931	1075	1532	1863	2193	2545	1612	2298	2794	3290	3817
	BRG	2/5	2.9/7.1	3.5/8.7	2/5	2.9/7.1	3.5/8.7	4.1/10.2	4.7/11.8	2/5	2.9/7.1	3.5/8.7	4.1/10.2	4.7/11.8
12	LL	322	628	-	643	1256	-	-	-	965	1884	-	-	-
	TL	424	675	839	849	1350	1678	1970	2278	1273	2025	2517	2954	3417
	BRG	1.7/4.3	2.7/6.9	3.4/8.5	1.7/4.3	2.7/6.9	3.4/8.5	4/10	4.6/11.6	1.7/4.3	2.7/6.9	3.4/8.5	4/10	4.6/11.6
13	LL	253	494	-	506	988	-	-	-	759	1482	-	-	-
	TL	333	574	763	666	1148	1526	1787	2061	999	1723	2289	2681	3092
	BRG	1.5/3.7	2.5/6.3	3.4/8.4	1.5/3.7	2.5/6.3	3.4/8.4	3.9/9.8	4.5/11.3	1.5/3.7	2.5/6.3	3.4/8.4	3.9/9.8	4.5/11.3
14	LL	203	396	648	405	791	1296	-	-	608	1187	1944	-	-
	TL	266	494	666	531	989	1332	1635	1882	797	1483	1997	2453	2823
	BRG	1.5/3.2	2.4/5.9	3.2/7.9	1.5/3.2	2.4/5.9	3.2/7.9	3.9/9.7	4.5/11.2	1.5/3.2	2.4/5.9	3.2/7.9	3.9/9.7	4.5/11.2
15	LL	165	322	527	329	643	1054	-	-	494	965	1581	-	-
	TL	215	423	579	430	847	1158	1475	1732	646	1270	1737	2212	2597
	BRG	1.5/3	2.2/5.4	3/7.4	1.5/3	2.2/5.4	3/7.4	3.8/9.4	4.4/11	1.5/3	2.2/5.4	3/7.4	3.8/9.4	4.4/11
16	LL	136	265	434	271	530	868	-	-	407	795	1303	-	-
	TL	177	348	508	353	696	1016	1294	1602	530	1044	1525	1941	2402
	BRG	1.5/3	1.9/4.8	2.8/6.9	1.5/3	1.9/4.8	2.8/6.9	3.5/8.8	4.4/10.9	1.5/3	1.9/4.8	2.8/6.9	3.5/8.8	4.4/10.9
17	LL	113	221	362	226	442	724	1081	-	339	663	1086	1621	-
	TL	146	289	449	293	578	899	1145	1417	439	867	1348	1717	2125
	BRG	1.5/3	1.7/4.2	2.6/6.5	1.5/3	1.7/4.2	2.6/6.5	3.3/8.3	4.1/10.2	1.5/3	1.7/4.2	2.6/6.5	3.3/8.3	4.1/10.2
18	LL	95	186	305	191	372	610	910	-	286	558	915	1366	-
	TL	123	243	400	245	485	800	1020	1262	368	728	1201	1529	1893
	BRG	1.5/3	1.5/3.8	2.5/6.2	1.5/3	1.5/3.8	2.5/6.2	3.1/7.8	3.9/9.7	1.5/3	1.5/3.8	2.5/6.2	3.1/7.8	3.9/9.7
19	LL	81	158	259	162	316	519	774	1102	243	475	778	1161	1653
	TL	104	206	339	207	411	679	914	1131	311	617	1018	1370	1696
	BRG	1.5/3	1.5/3.4	2.2/5.5	1.5/3	1.5/3.4	2.2/5.5	3/7.4	3.7/9.2	1.5/3	1.5/3.4	2.2/5.5	3/7.4	3.7/9.2
20	LL	69	136	222	139	271	445	664	945	208	407	667	996	1418
	TL	88	175	290	177	351	580	823	1019	265	526	870	1235	1529
	BRG	1.5/3	1.5/3	2/5	1.5/3	1.5/3	2/5	2.8/7	3.5/8.7	1.5/3	1.5/3	2/5	2.8/7	3.5/8.7
22	LL	52	102	167	104	204	334	499	710	157	306	501	748	1065
	TL	65	131	216	131	261	433	650	839	196	392	649	975	1259
	BRG	1.5/3	1.5/3	1.6/4.1	1.5/3	1.5/3	1.6/4.1	2.5/6.1	3.2/7.9	1.5/3	1.5/3	1.6/4.1	2.5/6.1	3.2/7.9
24	LL	40	79	129	80	157	257	384	547	121	236	386	576	820
	TL	49	99	165	99	199	330	498	703	148	298	496	746	1054
	BRG	1.5/3	1.5/3	1.5/3.5	1.5/3	1.5/3	1.5/3.5	2.1/5.2	2.9/7.3	1.5/3	1.5/3	1.5/3.5	2.1/5.2	2.9/7.3
26	LL	32	62	101	63	124	202	302	430	95	185	304	453	645
	TL	38	77	129	76	154	257	388	557	114	231	386	582	836
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.8/4.4	2.5/6.3	1.5/3	1.5/3	1.5/3	1.8/4.4	2.5/6.3
28	LL	25	49	81	51	99	162	242	344	76	148	243	363	517
	TL	29	61	102	59	121	203	308	443	88	182	305	462	664
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.8	2.2/5.4	1.5/3	1.5/3	1.5/3	1.5/3.8	2.2/5.4
30	LL	21	40	66	41	80	132	197	280	62	121	198	295	420
	TL	23	48	81	46	96	163	248	357	69	145	244	371	535
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.3	1.9/4.7	1.5/3	1.5/3	1.5/3	1.5/3.3	1.9/4.7

* Can be applied to the LRC LVL beam in addition to its own weight. Simple or multiple LRC LVL beam spans

For span data on 5¼", 7¼", 9¼" and 11¼", and 23⅞" LRC LVL, call LRC Products.

Key to Table:

LL = Maximum live load – limits deflection to L/240
 TL = Maximum total load – limits deflections to L/180

BRG = Required end/intermediate bearing length (inches), based on plate bearing stress of 850 psi.