



ASCE 7-05 Exposure B Span and Cantilever Chart in Inches for flush mount of LD with 66" Maximum Module Length and building height ≤30 feet

Snow Load, Pg (psf)	Wind Speed (mph)											Roof Pitch
	90	100	105	110	120	130	140	150	160	170	180	
0	226	207	198	190	176	163	153	143	135	127	120	0 ≤ 7°
10	198	188	183	178	169	160	153	143	135	127	120	
15	181	173	169	165	158	151	144	138	132	127	120	
20	168	161	158	155	149	143	137	132	127	122	117	
25	157	152	149	147	141	136	131	127	122	118	114	
30	148	144	142	139	135	130	126	122	118	114	110	
40	133	131	129	127	124	120	117	114	110	107	104	
50	120	120	120	118	115	113	110	107	104	101	99	
60	110	110	110	110	108	106	104	101	99	96	94	
0	236	216	207	199	184	171	160	150	142	134	127	7° < 0 ≤ 27°
10	203	193	188	183	174	166	158	150	142	134	127	
15	185	177	173	170	163	156	149	143	137	132	126	
20	171	165	162	159	153	147	141	136	131	126	122	
25	160	155	152	150	145	140	135	130	126	121	117	
30	150	146	144	142	138	133	129	125	121	117	113	
40	133	133	131	129	126	123	119	116	113	110	107	
50	120	120	120	120	117	114	112	109	106	104	101	
60	110	110	110	110	110	108	105	103	101	99	96	
0	226	207	198	190	176	163	153	143	135	127	120	27° < 0 ≤ 45°
10	198	188	183	178	169	160	153	143	135	127	120	
15	181	173	169	165	158	151	144	138	132	127	120	
20	168	161	158	155	149	143	137	132	127	122	117	
25	157	152	149	147	141	136	131	127	122	118	114	
30	148	144	142	139	135	130	126	122	118	114	110	
40	133	131	129	127	124	120	117	114	110	107	104	
50	120	120	120	118	115	113	110	107	104	101	99	
60	110	110	110	110	108	106	104	101	99	96	94	

Assumptions: Tabulated values only apply to rail stress, the connecting support is not considered. These values are only for Gable Roofs with a mean height below or equal to 30 feet. For roof heights over this limit or conditions not specified please contact PLP for consultation.

ASCE 7-05 Exposure B Span and Cantilever Chart in Inches for flush mount of LD with 77" Maximum Module Length and building height ≤30 feet

Snow Load, Pg (psf)	Wind Speed (mph)											Roof Pitch
	90	100	105	110	120	130	140	150	160	170	180	
0	209	191	183	176	163	151	141	132	125	118	111	0 ≤ 7°
10	184	174	169	165	156	149	141	132	125	118	111	
15	168	160	157	153	146	140	134	128	122	117	111	
20	155	149	147	144	138	132	127	122	117	113	109	
25	146	141	138	136	131	126	122	117	113	109	105	
30	137	133	131	129	125	121	117	113	109	105	102	
40	123	121	120	118	115	111	108	105	102	99	96	
50	111	111	111	109	107	104	102	99	96	94	91	
60	101	101	101	101	100	98	96	94	91	89	87	
0	219	200	192	184	171	159	148	139	131	124	117	7° < 0 ≤ 27°
10	188	179	174	170	162	154	146	139	131	124	117	
15	171	164	161	157	150	144	138	132	127	122	117	
20	158	153	150	147	141	136	131	126	121	117	113	
25	148	143	141	138	134	129	125	121	116	112	109	
30	139	135	133	131	127	123	119	116	112	108	105	
40	123	123	121	120	117	114	111	108	105	102	99	
50	111	111	111	111	108	106	103	101	98	96	94	
60	101	101	101	101	101	100	97	95	93	91	89	
0	209	191	183	176	163	151	141	132	125	118	111	27° < 0 ≤ 45°
10	184	174	169	165	156	149	141	132	125	118	111	
15	168	160	157	153	146	140	134	128	122	117	111	
20	155	149	147	144	138	132	127	122	117	113	109	
25	146	141	138	136	131	126	122	117	113	109	105	
30	137	133	131	129	125	121	117	113	109	105	102	
40	123	121	120	118	115	111	108	105	102	99	96	
50	111	111	111	109	107	104	102	99	96	94	91	
60	101	101	101	101	100	98	96	94	91	89	87	

Assumptions: Tabulated values only apply to rail stress, the connecting support is not considered. These values are only for Gable Roofs with a mean height below or equal to 30 feet. For roof heights over this limit or conditions not specified please contact PLP for consultation.