



ASCE 7-10 Exposure C Span and Cantilever Chart in Inches for flush mount of LD rail with 66" Maximum Module Length and building height ≤30													
Snow Load, Pg (psf)	Windspeed (mph)											Roof Pitch	
	105	110	115	120	130	140	150	160	165	170	180		200
0	214	205	197	190	177	165	155	146	142	138	131	118	0 ≤ 7°
10	192	187	182	178	170	162	154	146	142	138	131	118	
15	176	173	169	165	159	152	146	140	137	135	130	118	
20	164	161	158	155	149	144	139	134	131	129	124	116	
25	154	151	149	147	142	137	133	128	126	124	120	112	
30	146	143	141	139	135	131	127	123	121	119	116	109	
40	132	131	129	127	124	121	118	115	113	112	109	103	
50	120	120	119	118	116	113	110	108	107	105	103	98	7° < 0 ≤ 27°
60	110	110	110	110	109	106	104	102	101	100	98	93	
0	223	215	207	199	186	174	163	154	149	145	138	124	
10	197	192	188	184	175	167	160	153	149	145	138	124	
15	180	177	173	170	163	157	151	145	142	139	134	124	
20	167	164	161	159	153	148	143	138	135	133	129	120	
25	157	154	152	150	145	140	136	132	130	128	124	116	
30	148	146	144	142	138	134	130	126	124	123	119	112	27° < 0 ≤ 45°
40	133	132	131	129	126	123	120	117	116	114	111	106	
50	120	120	120	120	117	115	112	110	109	107	105	100	
60	110	110	110	110	110	108	106	104	103	102	100	96	
0	214	205	197	190	177	165	155	146	142	138	131	118	
10	192	187	182	178	170	162	154	146	142	138	131	118	
15	176	173	169	165	159	152	146	140	137	135	130	118	
20	164	161	158	155	149	144	139	134	131	129	124	116	
25	154	151	149	147	142	137	133	128	126	124	120	112	
30	146	143	141	139	135	131	127	123	121	119	116	109	
40	132	131	129	127	124	121	118	115	113	112	109	103	
50	120	120	119	118	116	113	110	108	107	105	103	98	
60	110	110	110	110	109	106	104	102	101	100	98	93	

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 DPW Solar for consultation.

ASCE 7-10 Exposure C Span and Cantilever Chart in Inches for flush mount of LD rail with 77" Maximum Module Length and building height ≤30													
Snow Load, Pg (psf)	Windspeed (mph)											Roof Pitch	
	105	110	115	120	130	140	150	160	165	170	180		200
0	198	190	183	176	164	153	144	135	131	128	121	110	0 ≤ 7°
10	177	173	169	165	157	150	143	135	131	128	121	110	
15	163	160	156	153	147	141	135	130	127	125	120	110	
20	152	149	146	144	138	133	128	124	122	119	115	107	
25	142	140	138	136	131	127	123	119	117	115	111	104	
30	135	133	131	129	125	121	118	114	112	110	107	101	
40	122	121	119	118	115	112	109	106	105	103	101	95	
50	111	111	111	109	107	105	102	100	99	97	95	91	
60	101	101	101	101	100	98	96	94	93	92	90	86	
0	207	199	191	184	172	161	151	142	138	134	127	115	
10	182	178	174	170	162	155	148	142	138	134	127	115	
15	167	164	160	157	151	145	140	134	132	129	124	115	
20	155	152	149	147	142	137	132	128	125	123	119	111	
25	145	143	141	138	134	130	126	122	120	118	114	107	
30	137	135	133	131	128	124	120	117	115	114	110	104	27° < 0 ≤ 45°
40	123	123	121	120	117	114	111	109	107	106	103	98	
50	111	111	111	111	109	106	104	102	101	99	97	93	
60	101	101	101	101	100	98	96	94	93	92	90	86	
0	198	190	183	176	164	153	144	135	131	128	121	110	
10	177	173	169	165	157	150	143	135	131	128	121	110	
15	163	160	156	153	147	141	135	130	127	125	120	110	
20	152	149	146	144	138	133	128	124	122	119	115	107	
25	142	140	138	136	131	127	123	119	117	115	111	104	
30	135	133	131	129	125	121	118	114	112	110	107	101	
40	122	121	119	118	115	112	109	106	105	103	101	95	27° < 0 ≤ 45°
50	111	111	111	109	107	105	102	100	99	97	95	91	
60	101	101	101	101	100	98	96	94	93	92	90	86	

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 DPW Solar for consultation.