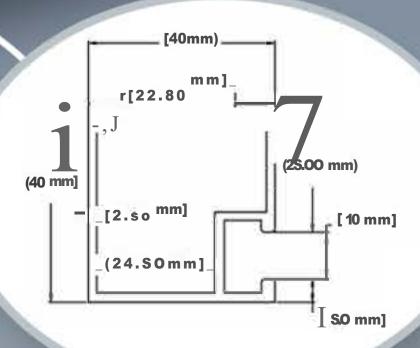


LITE RAIL



Specsheet

LITE AND STRONG

Dual Rack Lite Rails are custom designed for solar PV arrays on all residential and commercial projects. Meticulously engineered for exceptional strength and durability, these rails undergo thorough testing, proving their resilience across spans of up to eight feet. Installers prefer Dual Rack rails for their unbeatable combination of strength, reliability, and time-saving features. Moreover, their availability at the best price in the marketplace solidifies Dual Rack Lite Rails as the premier choice for those seeking a lightweight yet robust solar mounting solution.

ADVANTAGES AND HIGHLIGHTS

- Advanced Dual Rack Design
- PE Certified in Multiple States
- Installation Simplicity
- Time and Cost Savings
- Efficient Design
- Versatile Installation
- User Friendly
- Multiple Size Options and Aesthetics
- 20-year Limited Warranty
- Conforms to UL STD 2703
- ETL Certified
- Class A Fire Rated



RAIL SELECTION AND SPAN CHART

Product Line

Item #	Product Name
LT-144-C	lite Rail 144"'- Clear
LT-168-C	Lile Rail 168"- Clear
LT-204-C	lite Rail 204"'- Clear
LT-144-B	lite Rall 144" - Black
LT-168-B	lite Rall 168" - Black
LT-204-B	lite Rail 204" - Black
eil classifieo to u s Intertek	The second and the se
Orchring Specifics	

6pcs

0.68 lbs/ft

144"/ 168"/ 204"

Rail Span Chart

Exposure B Ultimate wind speed V (mph)	Rail Type	Max Span Length (In.) Roof Wind Pressure Zone 1 Roof Snow Load (psi)							
		0	10	20	30	40	50	60	70
110	HD	145	133	122	111	97	88	80	75
	STD	116	107	94	81	71	64	59	54
	LTE	95	86	76	67	59	53	48	45
115	HD	145	133	122	111	97	88	80	75
	STD	116	107	94	81	71	64	59	54
		95	86	76	67	59	53	48	45
Roofs 120	HD	145	133	122	111	97	88	80	75
	STD	116	107	94	81	71	64	59	54
	LTE	Qn	AA	76	" 7	59	53	48	45
to 70 130	HD	145	133	122	111	97	88	80	75
	STD	112	107	94	81	71	64	59	54
	LTE	85	85	76	67	59	53	48	45
140	HD	142	133	122	111	97	88	80	75
	STD	104	104	94	81	71	64	59	54
	LTE	80	80	76	67	59	53	48	45
150	HD	134	132	121	111	97	88	80	75
	STD	97	97	92	81	71	64	59	54
	LTE	77	77	76	67	59	53	48	45
	V (mph) 110 115 120 130 140	V (mph) HD $I10$ $I10$ ITE HD $I15$ ITE HD $I20$ ITE HD $I30$ ITE HD ITE HD ITE HD ITE HD ITE	V (mph) 0 HD 145 110 STD 116 LTE 95 HD 145 115 STD 116 LTE 95 HD 145 115 STD 116 LTE 95 HD 145 120 STD 116 LTE 95 HD 145 120 STD 116 LTE Qn HD 145 130 STD 112 LTE 85 HD 142 140 STD 104 LTE 80 HD 134 150 STD 97 LTE 77	V (mph) 0 10 HD 145 133 110 STD 116 107 LTE 95 86 HD 145 133 115 STD 116 107 LTE 95 86 HD 145 133 115 STD 116 107 LTE 95 86 HD 145 133 120 STD 116 107 LTE 95 86 HD 145 133 120 STD 116 107 LTE Q_{II} AA HD 145 133 130 STD 112 107 LTE 85 85 HD 1442 133 140 STD 104 104 LTE 80 80 150 STD 97 97	Wind speed V (mph) Rain Type F V (mph) International Stress of the stress	Wind speed V (mph) Rail Type Roof Snow I Image: Normal system 0 10 20 30 Image: Normal system 0 10 20 30 Image: Normal system 0 10 20 30 Image: Normal system 0 145 133 122 111 Image: Normal system 95 86 76 67 Image: Normal system 116 107 94 81 Image: Normal system 111 107 94 81 Image: Normal system 112 107 94	With Speed V (mph) Rail Type Roof Snow Load (psi) V (mph) I 0 10 20 30 40 10 HD 145 133 122 111 97 110 STD 116 107 94 81 71 110 STD 116 107 94 81 71 110 LTE 95 86 76 67 59 115 STD 116 107 94 81 71 115 STD 116 107 94 81 71 115 STD 116 107 94 81 71 110 PS 86 76 67 59 110 ITE 95 86 76 67 59 120 STD 116 107 94 81 71 130 STD 112 107 94 81 71 </td <td>With speed V (mph)Rain TypeRoof Snow Load (psi)01020304050110HD1451331221119788110STD11610794817164LTE958676675953115STD11610794817164LTE958676675953115STD11610794817164LTE958676675953120STD11610794817164LTE958676675953120STD11610794817164LTEQnAA76"775953130STD11210794817164LTEQnAA76"775953140STD11210794817164LTE858576675953140STD10410494817164LTE808076675953150STD10410494817164LTE80807667595353150STD97979281<!--</td--><td>With speed V (mph)Rall TypeRoof Snow Load (psi)01020304050601100145133122111978880110STD1161079481716459LTE95867667595348115STD1161079481716459115STD1161079481716459116107948171645948120STD1161079481716459120STD1161079481716459130STD1161079481716459130STD1121079481716459130STD1121079481716459140STD145133122111978880140STD142133122111978880140STD1041049481716459140STD1041049481716459150STD97979281716459150STD979792817164</td></td>	With speed V (mph)Rain TypeRoof Snow Load (psi)01020304050110HD1451331221119788110STD11610794817164LTE958676675953115STD11610794817164LTE958676675953115STD11610794817164LTE958676675953120STD11610794817164LTE958676675953120STD11610794817164LTEQnAA76"775953130STD11210794817164LTEQnAA76"775953140STD11210794817164LTE858576675953140STD10410494817164LTE808076675953150STD10410494817164LTE80807667595353150STD97979281 </td <td>With speed V (mph)Rall TypeRoof Snow Load (psi)01020304050601100145133122111978880110STD1161079481716459LTE95867667595348115STD1161079481716459115STD1161079481716459116107948171645948120STD1161079481716459120STD1161079481716459130STD1161079481716459130STD1121079481716459130STD1121079481716459140STD145133122111978880140STD142133122111978880140STD1041049481716459140STD1041049481716459150STD97979281716459150STD979792817164</td>	With speed V (mph)Rall TypeRoof Snow Load (psi)01020304050601100145133122111978880110STD1161079481716459LTE95867667595348115STD1161079481716459115STD1161079481716459116107948171645948120STD1161079481716459120STD1161079481716459130STD1161079481716459130STD1121079481716459130STD1121079481716459140STD145133122111978880140STD142133122111978880140STD1041049481716459140STD1041049481716459150STD97979281716459150STD979792817164

A The table above ONLY includes Dual Rack rail capacity. It does not include roof attachment of roof capacity check. B. Structural risk category per ASCE/SEI 7-16. C. Wind exposure: B, C, D. Roof wind pressure region: Zone 1, Zone 2 & Zone 3. D. Maximum mean roof height is 45 ft. E. Seismic design category: A through E. F. Roof pitch _{IS} between O degree and 55 degree. G. Maximum solar panel weight is 50 lbs. H. Height of solar panel is between 2" and 10" to roof. •see Exposure C and D, zone 1 & 2 & 3 span table calculation details in Installation ManuaVP.E. certification.

special order for 144" in the US.

Standard Pack

Dimension

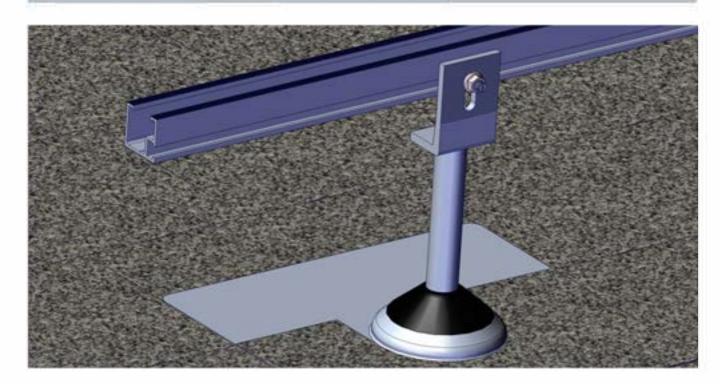
Weight

INSTALLATION GUIDE

"For detailed instructions please refer to the Dual Rack installation guide

Dual Rack is a robust, long-life photovoltaic (PV) module mounting system for both flat and pitched roofs. It consists of aluminum rails, roof attachments and all the necessary components to ensure a safe, easy, and sturdy installation. Dual Rack allows modules to be mounted in both landscape and portrait orientations.

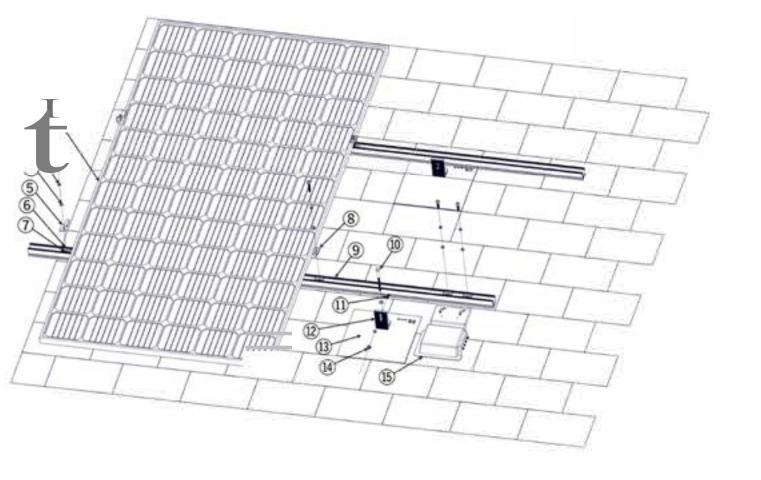
INSTALL WITH DUAL JACK & L-FOOT



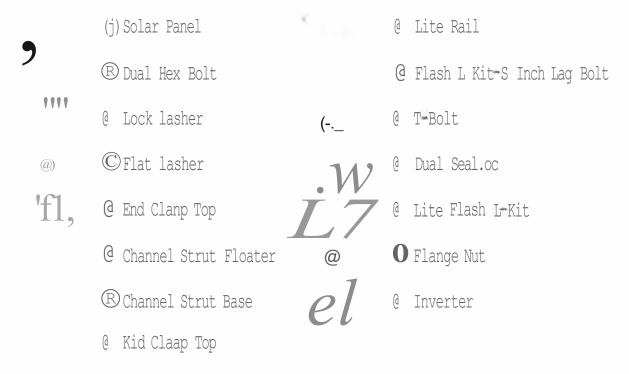
INSTALL WITH SEALOC & FLASH L-KIT



After locating and securely installing standoff to rafter, attach L=foot with 3/8" bolt and nut to Lite Rail at desired height.
 L=foot enables height adjustment up to 1.1 inches.



After locating and securely installing Flash L-Kit to rafter attach 3/8" bolt and nut to Lite Rail at desired height.



• End Claap, Mid C!B1p and Channel Strut are pre-asseabled and can be detached as top, base and other accessories such as ,asher and floater showing in the installation guide.



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