

How to Select a Skylight System for your Project

Sun Valley has 7 different skylight rafter systems to choose from that can span up to 27 feet.

The span, on center spacing and pitch determines the size of the system that will be required for your project.

We have included a Span Chart with 24" O.C. rafter spacing that shows the system you will select. Once you determine which system to use, you can drop the correct details into your plan.

Note: If you have a 1-lite skylight, please default to the S-100 system. 1-lite systems have a limitation of 50 to 60 square feet. If you want a 1-lite unit that is larger than this, please call us to determine the feasibility of doing so.

Follow these steps to determine the system to use:

- 1) Determine the pitch of the roof for flat units or the pitch of the skylight for units that require a pitch, such as a Hip-end, Gable-end or Pyramid skylight.
- 2) Locate the pitch on the Span Chart at the top of the column.
- 3) Find the closest span of the skylight that you are designing for. Once you have this, note the system required on the left side of the page.
- 4) The chart reflects rafter spacing of 24" on-center. However, most Architects that we work with prefer much larger openings. If you are at the top of the span, but want much larger openings such as 36", 48" or 60" on center, it's probably best to default to the next largest size system for detail purposes.

Please call us if you have any questions.

SUN VALLEY SKYLIGHTS SPAN CHART 1

1/16" Glass at 24" On Center Rafters

LIVE LOAD	12	16	20
PITCH	0 – 4:12	4:12 – 12:12	12:12 & Up
DEGREE	2° - 19°	19° - 45°	45° & Up
<u>RAFTER</u>			
IB 100	4'-5"	4'-2"	4'-0"
IB 225	8'-0"	7'-6"	7'-2"
T 200	7'-8"	7'-3"	6'-10"
T 300	10'-9"	10'-2"	9'-8"
T 400	14'-11"	14'-1"	13'-5"
T 600	22'-0"	20'-10"	19'-10"
T 800	27'-1"	25'-7"	24'-4"