



REPLACEMENT DOME CONFIGURATIONS

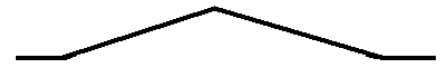
Gradual Rise / Quick Rise / Pyramid:: One of the most important factors (aside from the measurement) is whether a dome is quick rise or gradual rise. Quick Rise domes come out from under the rail and then go up almost an inch at almost a ninety degree angle before doming. Gradual rise domes just slope up to a dome. This is easiest to see on the corners of the dome just inside the flange. Pyramid domes are pretty easy to recognize, but they may ALSO be either quick rise or gradual rise. Again, the corners of the dome are the easiest place to see whether they come up first almost an inch at almost a ninety degree angle or if they just start going straight up into the pyramid. This factor often will keep domes from fitting properly.



Gradual Rise Dome



Quick Rise Dome



Pyramid Dome

Measuring for Dome Replacement:: If the rail is 1 1/2" - 1 3/4" wide, is a ninety degree angle and has the screws in the side--it is good to measure the outside of the rail. If the rail does not match all three criteria--get the actual dome measurement from flange to flange.

Retaining Rails:: Rails are the part of the skylight that holds the domes to the frame. There are different rails with a variety of shapes and configurations, so it is important to notice the shape of the rail. Skylight rails may have rounded corners, notches in the corners, wide widths or other configurations. Rails with screws in the top rather than in the side is another important bit of information that needs to be brought to our attention when ordering replacement domes. As stated above, though, if the rail is not a ninety degree angle with the screws through the side and only about 1 1/2" - 1 3/4" wide--get the actual dome measurement from flange to flange.

Combinations:: 2447 white over clear (W/C) and 2412 bronze over clear (B/C) are the most common combinations. Acrylic is available in a wide variety of colors, but sometimes we are limited by size and availability. Clear over clear (C/C) is not recommended on residential applications because this combination will allow all the heat and UV through. White over clear is the only combination that blocks UV unless you request white over UV clear, bronze over UV clear or other combination.

Dome Color:: 2447 White over Clear (W/C) ► Maximum light, least heat
2412 Bronze over Clear (B/C) ► Can see sky, more heat, direct ray
2447 White over 2412 Bronze (W/B) ► White blocks UV, bronze "warms" the light

Oxidation:: Over time, plastic oxidizes and older plastic colors will not match newer plastic colors. If skylights are side by side--this will become very apparent if you change out one without changing out the other. Sometimes, people think their skylights are too bright after the domes are changed out, but this is due to the fact the light transmission has diminished slowly year after year and when they are changed out--they are restored to original.

Standard Duty / Commercial Duty:: Standard duty domes are 1/8" thick up to a certain size. Certain sizes are recommended commercial duty / high impact and some are mandatory commercial duty / high impact. Domes are also available in commercial duty / high impact. Commercial duty domes are normally 3/16" thick, but may be thicker on larger sizes.

A Third Dome may be added for increased insulation.

More information about skylights:: (documents available on our website and/or by calling or e-mailing)
Replacement Dome Recommendations
Properties of Skylight Materials

Don't hesitate to call or e-mail us if you have any questions.