

# Sky Tunnel™ Energy Performance Model Material Specifications

Model #: 343EPM

June 21st, 2013

1. Outer Dome is injection moulded with Lexan SLX Polycarbonate Resin offering greater weatherability compared to standard UV Stabilized Polycarbonate. This results in a greater retention of light transmission, strength, clarity & mechanical properties after UV exposure. The SLX reacts with UV Light to create a UV Protection Layer on the surface of the material, inhibiting UV transmittance. Also offering superior impact resistance to Acrylic materials. The outer dome is a minimum 3mm thick.

2. Inner Dome is vacuum formed with UV Stabilized, Impact Modified Acrylic. This material has a very high light transmittance of 92%. 4.5mm thick with a prismatic surface pattern to capture low angle light and disperse high angle light, giving a more even light distribution for longer periods of the day.

3. Breather Frame is made from Luran S, an ASA resin offering extremely high UV resistance and impact strength. The breather frame provides a housing for the Inner Dome as well as the Interchangeable Tabs.

4. Interchangeable Tabs also made from Luran S, these tabs allow for the Sky Tunnel™ to include passive ventilation if required, and reduce condensation.

5. Soaker Tray fabricated from 0.55mm thick Bluescope Steel. Seamless design with two stage deep drawn high rise centre pressing to eliminate leakage. Designed to suit any roof type and can be colour matched.

6. Rigid98 Upper Ring manufactured using Alanod Miro Silver 4 with 98% Total Reflection. Offers superior UV resistance and durability compared to MPF laminated materials. Base material is 0.5mm Aluminium with a 99.9% silver coating and protective layer.

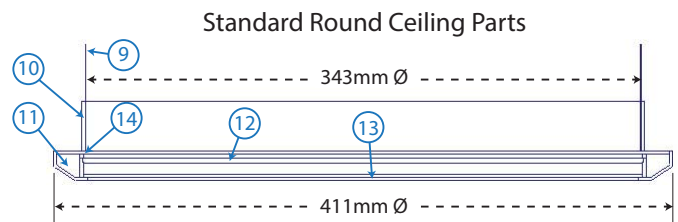
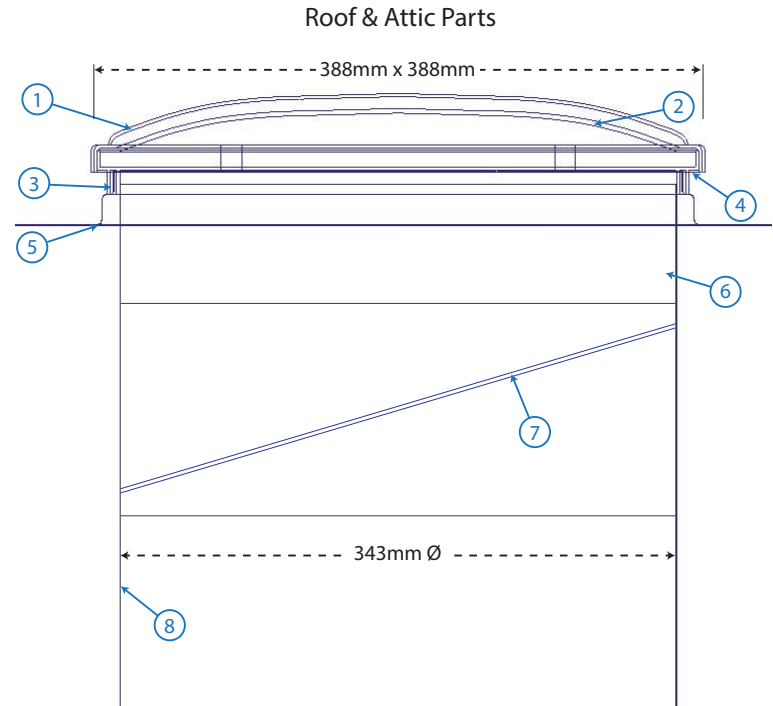
7. Rigid98 Angle Adaptor available with a 45° or 90° maximum angle. Alanod Miro Silver 4 - 0.5mm thick.

8. Rigid98 Tube Lengths available in 625mm or 1250mm lengths. Alanod Miro Silver 4 - 0.5mm thick.

9. Rigid98 Lower Ring connects tube to ceiling parts, 150mm height. Alanod Miro Silver 4 - 0.5mm thick.

10. Ceiling Frame is injection moulded with White ABS thermoplastic, fastened to ceiling with M4.5 x 45mm screws. Includes N45 Grade Permanent Magnets for attachment of the Diffuser Holder.

11. Diffuser Holder is injection moulded with White ABS thermoplastic. Includes N45 Grade Permanent Magnets for attachment to the Ceiling Frame. This is a one piece component including 2 x Diffusers & Seal.



12. Upper Diffuser is a 4.5mm thick transparent PMMA (Acrylic) with no surface pattern. Offering greater thermal properties compared to industry standard of 3mm thick diffuser. Permanently bonded to the Diffuser Holder.

13. Lower Diffuser is 3mm thick transparent PMMA (Acrylic) with a seadrift surface pattern. This pattern is aesthetically pleasing and offers very efficient diffusion of light. Permanently bonded to the Diffuser Holder.

14. Foam Seal to prevent air or dust infiltration into the unit. Bonded to the Diffuser Holder.

# Sky Tunnel™ Energy Performance Model Material Specifications

Model #: 343EPM-CB600

June 21st, 2013

1. Outer Dome is injection moulded with Lexan SLX Polycarbonate Resin offering greater weatherability compared to standard UV Stabilized Polycarbonate. This results in a greater retention of light transmission, strength, clarity & mechanical properties after UV exposure. The SLX reacts with UV Light to create a UV Protection Layer on the surface of the material, inhibiting UV transmittance. Also offering superior impact resistance to Acrylic materials. The outer dome is a minimum 3mm thick.

2. Inner Dome is vacuum formed with UV Stabilized, Impact Modified Acrylic. This material has a very high light transmittance of 92%. 4.5mm thick with a prismatic surface pattern to capture low angle light and disperse high angle light, giving a more even light distribution for longer periods of the day.

3. Breather Frame is made from Luran S, an ASA resin offering extremely high UV resistance and impact strength. The breather frame provides a housing for the Inner Dome as well as the Interchangeable Tabs.

4. Interchangeable Tabs also made from Luran S, these tabs allow for the Sky Tunnel™ to include passive ventilation if required, and reduce condensation.

5. Soaker Tray fabricated from 0.55mm thick Bluescope Steel. Seamless design with two stage deep drawn high rise centre pressing to eliminate leakage. Designed to suit any roof type and can be colour matched.

6. Rigid98 Upper Ring manufactured using Alanod Miro Silver 4 with 98% Total Reflection. Offers superior UV resistance and durability compared to MPF laminated materials. Base material is 0.5mm Aluminium with a 99.9% silver coating and protective layer.

7. Rigid98 Angle Adaptor available with a 45° or 90° maximum angle. Alanod Miro Silver 4 - 0.5mm thick.

8. Rigid98 Tube Lengths available in 625mm or 1250mm lengths. Alanod Miro Silver 4 - 0.5mm thick.

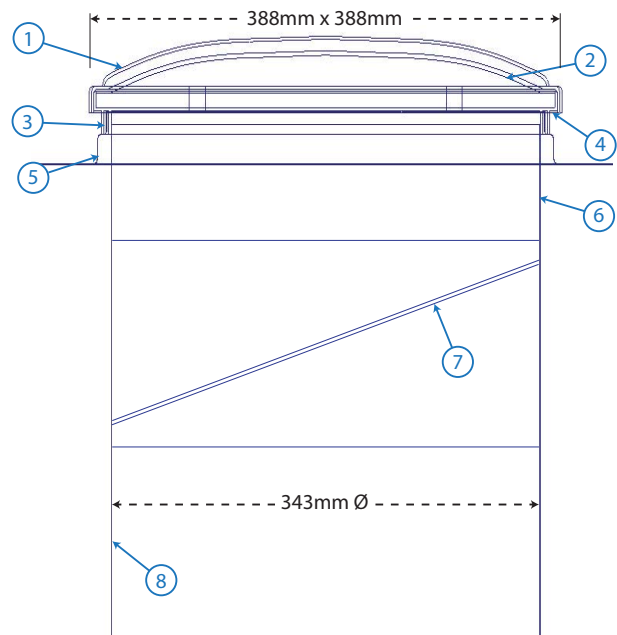
9. Rigid98 Lower Ring connects tube to ceiling parts, 150mm height. Alanod Miro Silver 4 - 0.5mm thick.

10. Rigid98 Conversion Box connects Rigid98 Tube with 535mmØ to ceiling parts that suit a 600mm x 600mm ceiling panel, with a total height of 450mm. Two piece fabrication. Alanod Miro Silver 4 - 0.5mm thick.

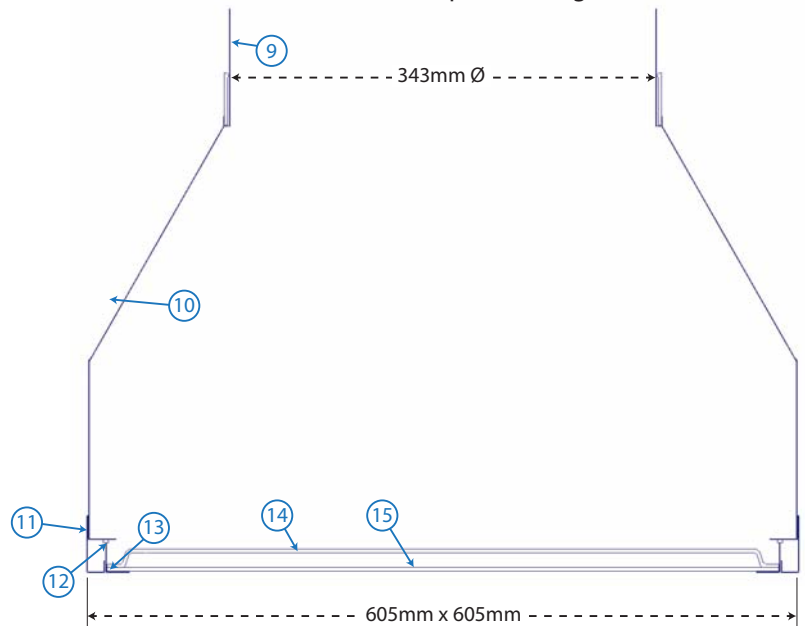
11. Ceiling Frame fabricated from 0.55mm steel, powdercoated white. Suits standard grid ceilings.

12. Foam Seal to prevent air or dust infiltration into the unit. Bonded to the Ceiling Frame.

Roof & Attic Parts



Conversion Box - Square Ceiling Parts



13. Diffuser Holder fabricated from 0.55mm steel, powdercoated white. Attached to Ceiling Frame with Stainless Steel Springs for easy installation.

14. Upper Diffuser is a 3mm thick transparent PMMA (Acrylic) with no surface pattern. Permanently bonded to the Lower Diffuser.

15. Lower Diffuser is 3mm thick transparent PMMA (Acrylic) with a seadrift surface pattern. This pattern is aesthetically pleasing and offers very efficient diffusion of light. Held into the Diffuser Holder with clips.

# Sky Tunnel™ Energy Performance Model Material Specifications

Model #: 457EPM

June 21st, 2013

1. Outer Dome is injection moulded with Lexan SLX Polycarbonate Resin offering greater weatherability compared to standard UV Stabilized Polycarbonate. This results in a greater retention of light transmission, strength, clarity & mechanical properties after UV exposure. The SLX reacts with UV Light to create a UV Protection Layer on the surface of the material, inhibiting UV transmittance. Also offering superior impact resistance to Acrylic materials. The outer dome is a minimum 3mm thick.

2. Inner Dome is vacuum formed with UV Stabilized, Impact Modified Acrylic. This material has a very high light transmittance of 92%. 4.5mm thick with a prismatic surface pattern to capture low angle light and disperse high angle light, giving a more even light distribution for longer periods of the day.

3. Breather Frame is made from Luran S, an ASA resin offering extremely high UV resistance and impact strength. The breather frame provides a housing for the Inner Dome as well as the Interchangeable Tabs.

4. Interchangeable Tabs also made from Luran S, these tabs allow for the Sky Tunnel™ to include passive ventilation if required, and reduce condensation.

5. Soaker Tray fabricated from 0.55mm thick Bluescope Steel. Seamless design with two stage deep drawn high rise centre pressing to eliminate leakage. Designed to suit any roof type and can be colour matched.

6. Rigid98 Upper Ring manufactured using Alanod Miro Silver 4 with 98% Total Reflection. Offers superior UV resistance and durability compared to MPF laminated materials. Base material is 0.5mm Aluminium with a 99.9% silver coating and protective layer.

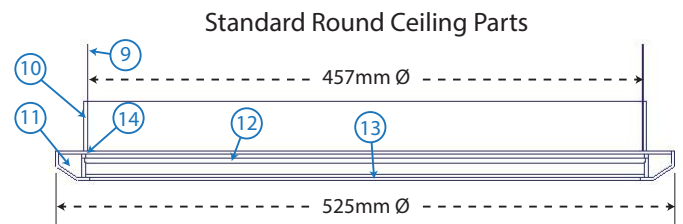
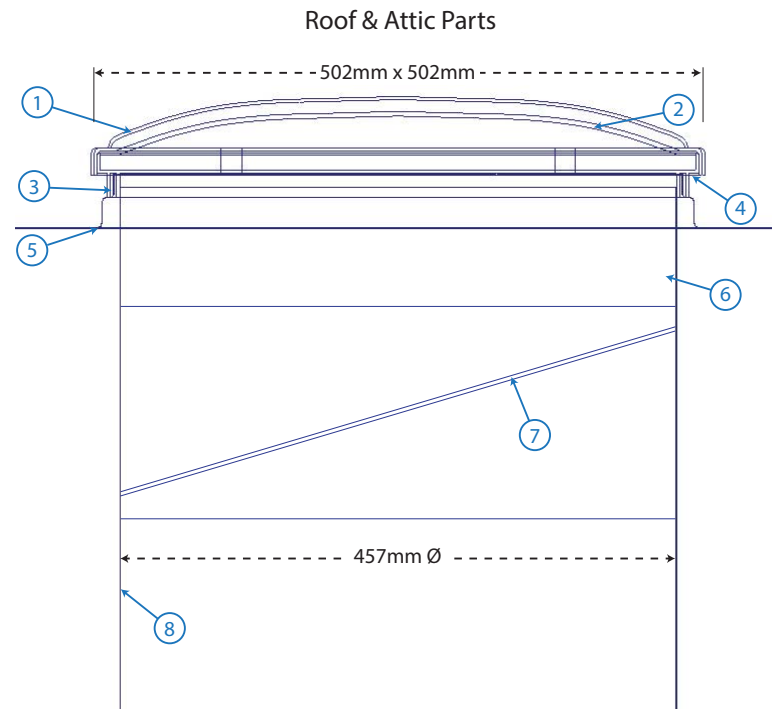
7. Rigid98 Angle Adaptor available with a 45° or 90° maximum angle. Alanod Miro Silver 4 - 0.5mm thick.

8. Rigid98 Tube Lengths available in 625mm or 1250mm lengths. Alanod Miro Silver 4 - 0.5mm thick.

9. Rigid98 Lower Ring connects tube to ceiling parts, 150mm height. Alanod Miro Silver 4 - 0.5mm thick.

10. Ceiling Frame is injection moulded with White ABS thermoplastic, fastened to ceiling with M4.5 x 45mm screws. Includes N45 Grade Permanent Magnets for attachment of the Diffuser Holder.

11. Diffuser Holder is injection moulded with White ABS thermoplastic. Includes N45 Grade Permanent Magnets for attachment to the Ceiling Frame. This is a one piece component including 2 x Diffusers & Seal.



12. Upper Diffuser is a 4.5mm thick transparent PMMA (Acrylic) with no surface pattern. Offering greater thermal properties compared to industry standard of 3mm thick diffuser. Permanently bonded to the Diffuser Holder.

13. Lower Diffuser is 3mm thick transparent PMMA (Acrylic) with a seadrift surface pattern. This pattern is aesthetically pleasing and offers very efficient diffusion of light. Permanently bonded to the Diffuser Holder.

14. Foam Seal to prevent air or dust infiltration into the unit. Bonded to the Diffuser Holder.

# Sky Tunnel™ Energy Performance Model Material Specifications

Model #: 457EPM-CB600

June 21st, 2013

1. Outer Dome is injection moulded with Lexan SLX Polycarbonate Resin offering greater weatherability compared to standard UV Stabilized Polycarbonate. This results in a greater retention of light transmission, strength, clarity & mechanical properties after UV exposure. The SLX reacts with UV Light to create a UV Protection Layer on the surface of the material, inhibiting UV transmittance. Also offering superior impact resistance to Acrylic materials. The outer dome is a minimum 3mm thick.

2. Inner Dome is vacuum formed with UV Stabilized, Impact Modified Acrylic. This material has a very high light transmittance of 92%. 4.5mm thick with a prismatic surface pattern to capture low angle light and disperse high angle light, giving a more even light distribution for longer periods of the day.

3. Breather Frame is made from Luran S, an ASA resin offering extremely high UV resistance and impact strength. The breather frame provides a housing for the Inner Dome as well as the Interchangeable Tabs.

4. Interchangeable Tabs also made from Luran S, these tabs allow for the Sky Tunnel™ to include passive ventilation if required, and reduce condensation.

5. Soaker Tray fabricated from 0.55mm thick Bluescope Steel. Seamless design with two stage deep drawn high rise centre pressing to eliminate leakage. Designed to suit any roof type and can be colour matched.

6. Rigid98 Upper Ring manufactured using Alanod Miro Silver 4 with 98% Total Reflection. Offers superior UV resistance and durability compared to MPF laminated materials. Base material is 0.5mm Aluminium with a 99.9% silver coating and protective layer.

7. Rigid98 Angle Adaptor available with a 45° or 90° maximum angle. Alanod Miro Silver 4 - 0.5mm thick.

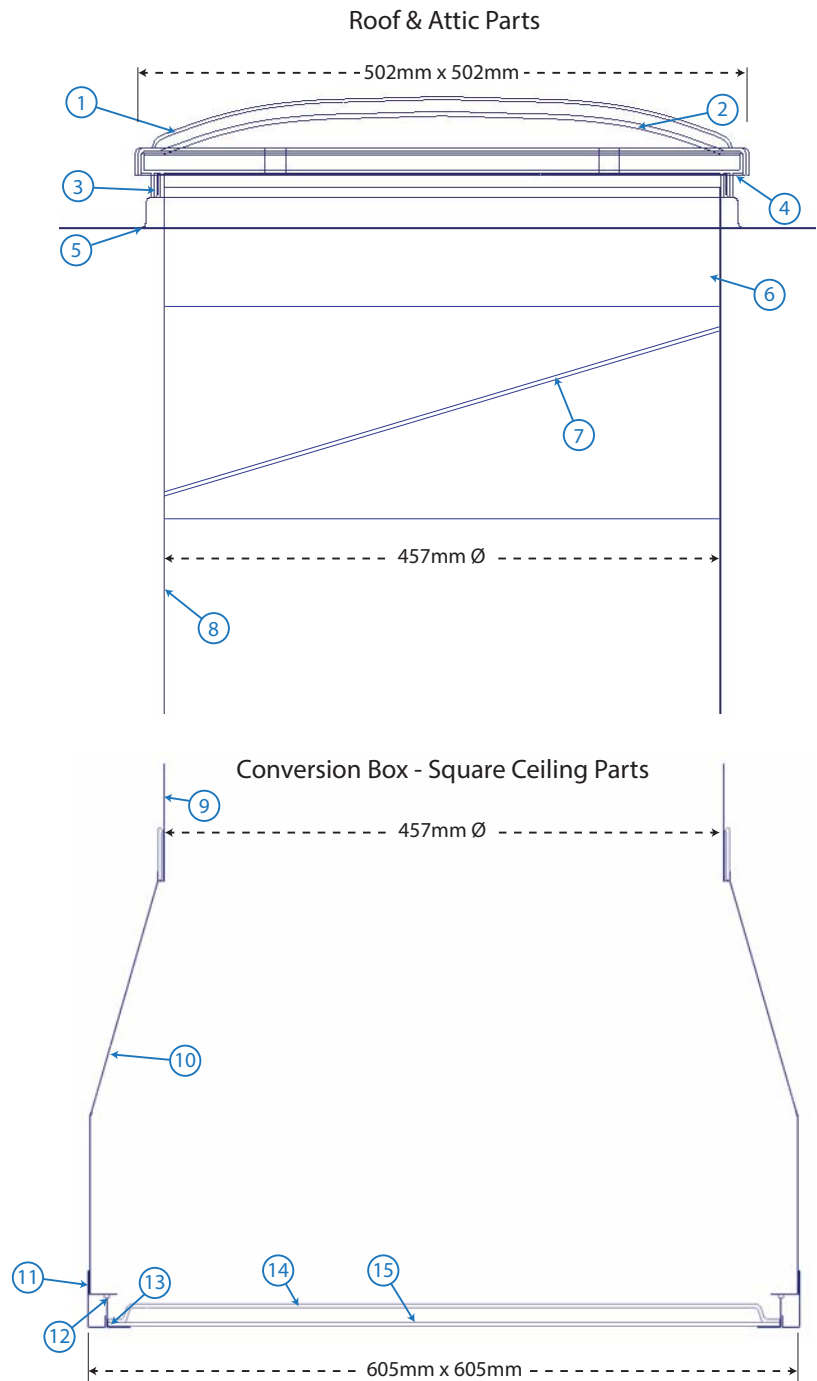
8. Rigid98 Tube Lengths available in 625mm or 1250mm lengths. Alanod Miro Silver 4 - 0.5mm thick.

9. Rigid98 Lower Ring connects tube to ceiling parts, 150mm height. Alanod Miro Silver 4 - 0.5mm thick.

10. Rigid98 Conversion Box connects Rigid98 Tube with 535mmØ to ceiling parts that suit a 600mm x 600mm ceiling panel, with a total height of 450mm. Two piece fabrication. Alanod Miro Silver 4 - 0.5mm thick.

11. Ceiling Frame fabricated from 0.55mm steel, powdercoated white. Suits standard grid ceilings.

12. Foam Seal to prevent air or dust infiltration into the unit. Bonded to the Ceiling Frame.



13. Diffuser Holder fabricated from 0.55mm steel, powdercoated white. Attached to Ceiling Frame with Stainless Steel Springs for easy installation.

14. Upper Diffuser is a 3mm thick transparent PMMA (Acrylic) with no surface pattern. Permanently bonded to the Lower Diffuser.

15. Lower Diffuser is 3mm thick transparent PMMA (Acrylic) with a seadrift surface pattern. This pattern is aesthetically pleasing and offers very efficient diffusion of light. Held into the Diffuser Holder with clips.

# Sky Tunnel™ Energy Performance Model Material Specifications

Model #: 535EPM

June 21st, 2013

1. Outer Dome is injection moulded with Lexan SLX Polycarbonate Resin offering greater weatherability compared to standard UV Stabilized Polycarbonate. This results in a greater retention of light transmission, strength, clarity & mechanical properties after UV exposure. The SLX reacts with UV Light to create a UV Protection Layer on the surface of the material, inhibiting UV transmittance. Also offering superior impact resistance to Acrylic materials. The outer dome is a minimum 3mm thick.

2. Inner Dome is vacuum formed with UV Stabilized, Impact Modified Acrylic. This material has a very high light transmittance of 92%. 4.5mm thick with a prismatic surface pattern to capture low angle light and disperse high angle light, giving a more even light distribution for longer periods of the day.

3. Breather Frame is made from Luran S, an ASA resin offering extremely high UV resistance and impact strength. The breather frame provides a housing for the Inner Dome as well as the Interchangeable Tabs.

4. Interchangeable Tabs also made from Luran S, these tabs allow for the Sky Tunnel™ to include passive ventilation if required, and reduce condensation.

5. Soaker Tray fabricated from 0.55mm thick Bluescope Steel. Seamless design with two stage deep drawn high rise centre pressing to eliminate leakage. Designed to suit any roof type and can be colour matched.

6. Rigid98 Upper Ring manufactured using Alanod Miro Silver 4 with 98% Total Reflection. Offers superior UV resistance and durability compared to MPF laminated materials. Base material is 0.5mm Aluminium with a 99.9% silver coating and protective layer.

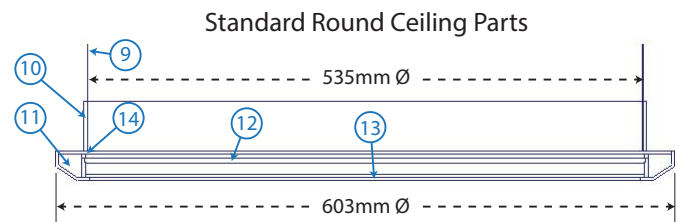
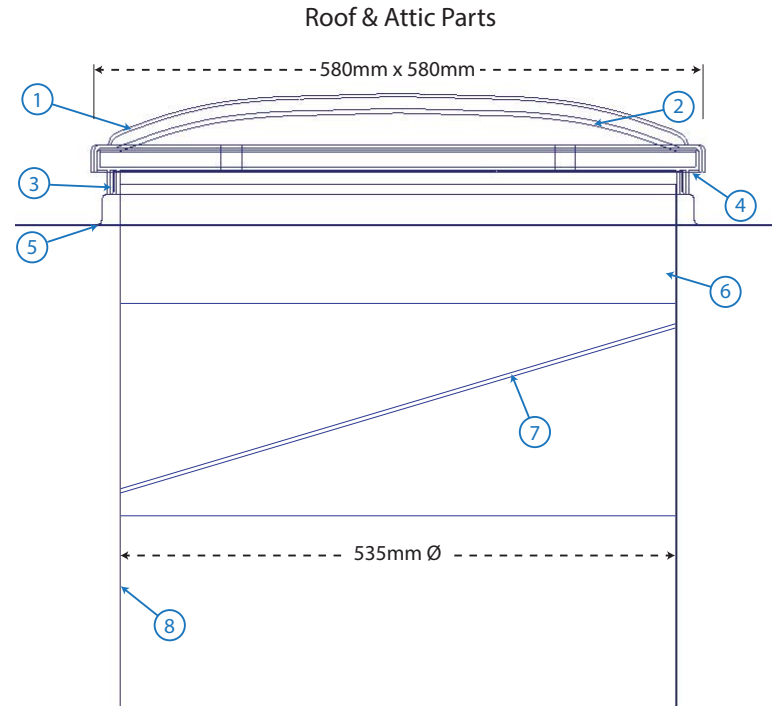
7. Rigid98 Angle Adaptor available with a 45° or 90° maximum angle. Alanod Miro Silver 4 - 0.5mm thick.

8. Rigid98 Tube Lengths available in 625mm or 1250mm lengths. Alanod Miro Silver 4 - 0.5mm thick.

9. Rigid98 Lower Ring connects tube to ceiling parts, 150mm height. Alanod Miro Silver 4 - 0.5mm thick.

10. Ceiling Frame is injection moulded with White ABS thermoplastic, fastened to ceiling with M4.5 x 45mm screws. Includes N45 Grade Permanent Magnets for attachment of the Diffuser Holder.

11. Diffuser Holder is injection moulded with White ABS thermoplastic. Includes N45 Grade Permanent Magnets for attachment to the Ceiling Frame. This is a one piece component including 2 x Diffusers & Seal.



12. Upper Diffuser is a 4.5mm thick transparent PMMA (Acrylic) with no surface pattern. Offering greater thermal properties compared to industry standard of 3mm thick diffuser. Permanently bonded to the Diffuser Holder.

13. Lower Diffuser is 3mm thick transparent PMMA (Acrylic) with a seadrift surface pattern. This pattern is aesthetically pleasing and offers very efficient diffusion of light. Permanently bonded to the Diffuser Holder.

14. Foam Seal to prevent air or dust infiltration into the unit. Bonded to the Diffuser Holder.



# Sky Tunnel™ Energy Performance Model Material Specifications

Model #: 535EPM-CB600

June 21st, 2013

1. Outer Dome is injection moulded with Lexan SLX Polycarbonate Resin offering greater weatherability compared to standard UV Stabilized Polycarbonate. This results in a greater retention of light transmission, strength, clarity & mechanical properties after UV exposure. The SLX reacts with UV Light to create a UV Protection Layer on the surface of the material, inhibiting UV transmittance. Also offering superior impact resistance to Acrylic materials. The outer dome is a minimum 3mm thick.

2. Inner Dome is vacuum formed with UV Stabilized, Impact Modified Acrylic. This material has a very high light transmittance of 92%. 4.5mm thick with a prismatic surface pattern to capture low angle light and disperse high angle light, giving a more even light distribution for longer periods of the day.

3. Breather Frame is made from Luran S, an ASA resin offering extremely high UV resistance and impact strength. The breather frame provides a housing for the Inner Dome as well as the Interchangeable Tabs.

4. Interchangeable Tabs also made from Luran S, these tabs allow for the Sky Tunnel™ to include passive ventilation if required, and reduce condensation.

5. Soaker Tray fabricated from 0.55mm thick Bluescope Steel. Seamless design with two stage deep drawn high rise centre pressing to eliminate leakage. Designed to suit any roof type and can be colour matched.

6. Rigid98 Upper Ring manufactured using Alanod Miro Silver 4 with 98% Total Reflection. Offers superior UV resistance and durability compared to MPF laminated materials. Base material is 0.5mm Aluminium with a 99.9% silver coating and protective layer.

7. Rigid98 Angle Adaptor available with a 45° or 90° maximum angle. Alanod Miro Silver 4 - 0.5mm thick.

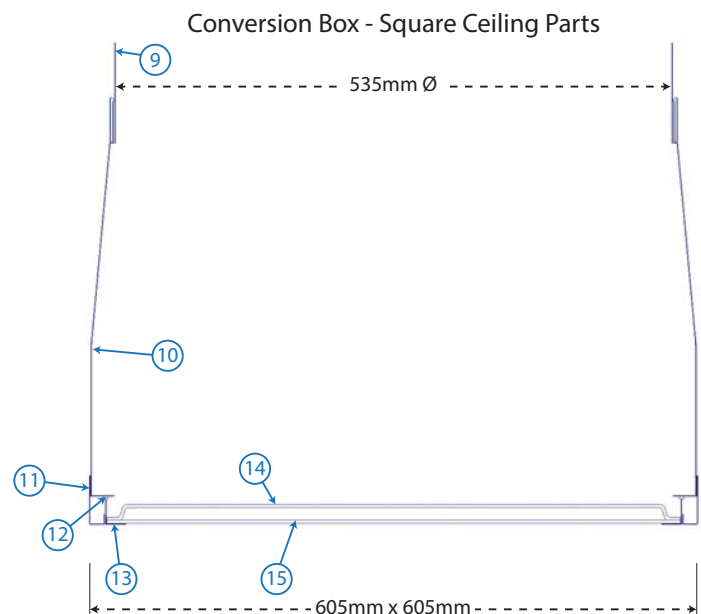
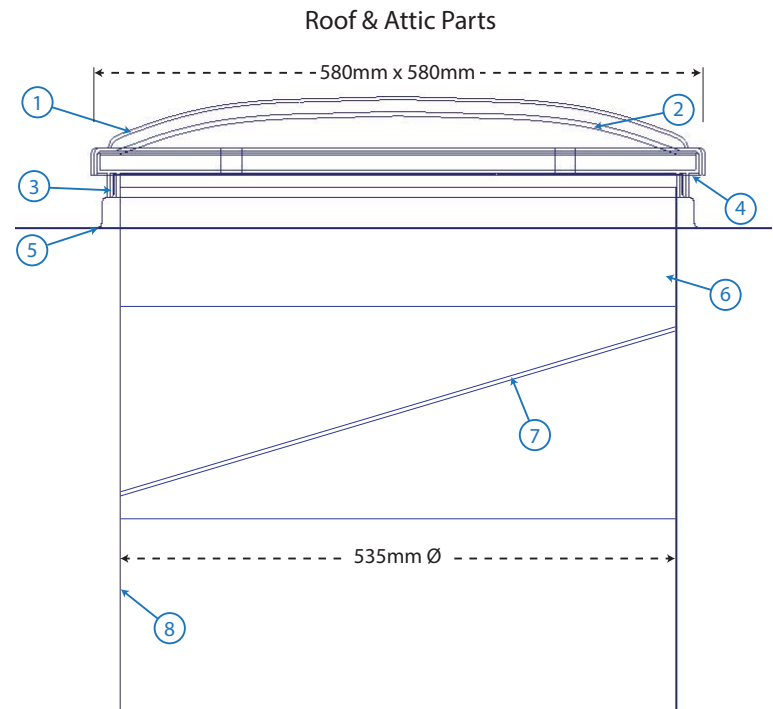
8. Rigid98 Tube Lengths available in 625mm or 1250mm lengths. Alanod Miro Silver 4 - 0.5mm thick.

9. Rigid98 Lower Ring connects tube to ceiling parts, 150mm height. Alanod Miro Silver 4 - 0.5mm thick.

10. Rigid98 Conversion Box connects Rigid98 Tube with 535mmØ to ceiling parts that suit a 600mm x 600mm ceiling panel, with a total height of 450mm. Two piece fabrication. Alanod Miro Silver 4 - 0.5mm thick.

11. Ceiling Frame fabricated from 0.55mm steel, powdercoated white. Suits standard grid ceilings.

12. Foam Seal to prevent air or dust infiltration into the unit. Bonded to the Ceiling Frame.



13. Diffuser Holder fabricated from 0.55mm steel, powdercoated white. Attached to Ceiling Frame with Stainless Steel Springs for easy installation.

14. Upper Diffuser is a 3mm thick transparent PMMA (Acrylic) with no surface pattern. Permanently bonded to the Lower Diffuser.

15. Lower Diffuser is 3mm thick transparent PMMA (Acrylic) with a seadrift surface pattern. This pattern is aesthetically pleasing and offers very efficient diffusion of light. Held into the Diffuser Holder with clips.

# Sky Tunnel™ Energy Performance Model Material Specifications

Model #: 535EPM-WH

June 21st, 2013

1. Outer Dome is injection moulded with Lexan SLX Polycarbonate Resin offering greater weatherability compared to standard UV Stabilized Polycarbonate. This results in a greater retention of light transmission, strength, clarity & mechanical properties after UV exposure. The SLX reacts with UV Light to create a UV Protection Layer on the surface of the material, inhibiting UV transmittance. Also offering superior impact resistance to Acrylic materials. The outer dome is a minimum 3mm thick.

2. Inner Dome is vacuum formed with UV Stabilized, Impact Modified Acrylic. This material has a very high light transmittance of 92%. 4.5mm thick with a prismatic surface pattern to capture low angle light and disperse high angle light, giving a more even light distribution for longer periods of the day.

3. Breather Frame is made from Luran S, an ASA resin offering extremely high UV resistance and impact strength. The breather frame provides a housing for the Inner Dome as well as the Interchangeable Tabs.

4. Interchangeable Tabs also made from Luran S, these tabs allow for the Sky Tunnel™ to include passive ventilation if required, and reduce condensation.

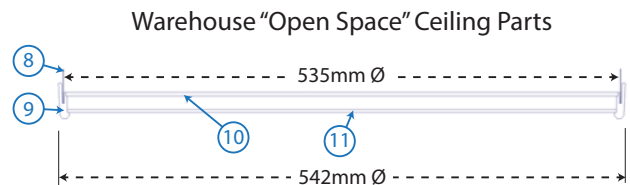
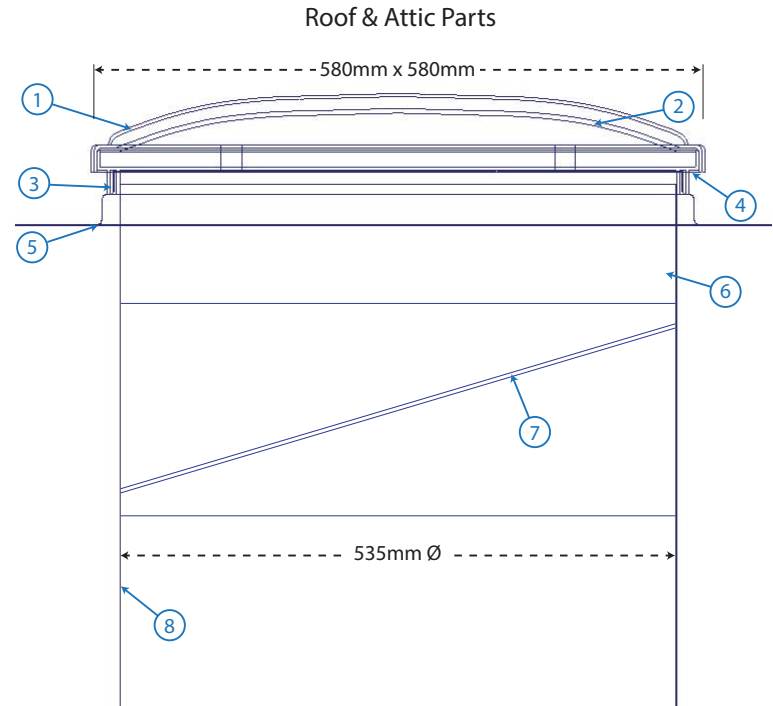
5. Soaker Tray fabricated from 0.55mm thick Bluescope Steel. Seamless design with two stage deep drawn high rise centre pressing to eliminate leakage. Designed to suit any roof type and can be colour matched.

6. Rigid98 Upper Ring manufactured using Alanod Miro Silver 4 with 98% Total Reflection. Offers superior UV resistance and durability compared to MPF laminated materials. Base material is 0.5mm Aluminium with a 99.9% silver coating and protective layer.

7. Rigid98 Angle Adaptor available with a 45° or 90° maximum angle. Alanod Miro Silver 4 - 0.5mm thick.

8. Rigid98 Tube Lengths available in 625mm, 1000mm or 1250mm lengths. Alanod Miro Silver 4 - 0.5mm thick. Standard warehouse kit includes 1 x 1000mm Length.

9. Diffuser Holder is injection moulded with White ABS thermoplastic. Is fixed directly to the lower end of the Rigid98 Tube Length using 6 of M4.5 x 10mm Screw. This is a one piece component including 2 x Diffusers. Designed to mechanically seal the bottom of the tube inhibiting dust or air infiltration. With an overall diameter of 542mm this unit fits inside the spacings of standard roof structures, allowing for entire installation to be completed from above the roof.



10. Upper Diffuser is a 4.5mm thick transparent PMMA (Acrylic) with no surface pattern. Offering greater thermal properties compared to industry standard of 3mm thick diffuser. Permanently bonded to the Diffuser Holder.

11. Lower Diffuser is 3mm thick transparent PMMA (Acrylic) with a seadrift surface pattern. This pattern is aesthetically pleasing and offers very efficient diffusion of light. Permanently bonded to the Diffuser Holder.