



Skydome Skylight Systems

Australia's premier natural lighting and home ventilation products company.

Over the years we completed many iconic building glazing projects both in Australia and overseas. Adjusting to the ever-changing market we decided to apply our skill set that was developed over the years to our Australian owned and made skylight range that services both domestic and commercial markets.



 **SKYDOME HISTORY**



 **SKYDOME SYSTEMS**



 **SKYDOME GLASS SYSTEMS**

 **SKYTUBE SYSTEMS**

 **POWERVENT / TESTIMONIALS**

 **DAYRAY - FLEXIBLE DAYLIGHTING**

 **SKYDOME®**

*Designed to brighten
your home - Naturally*





SKYDOME®

HISTORY

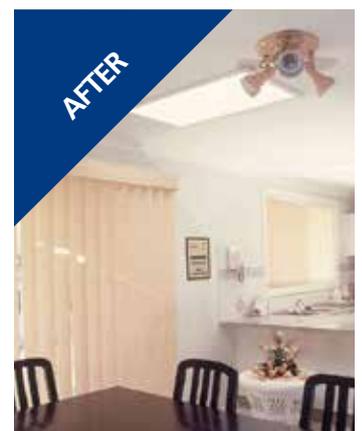
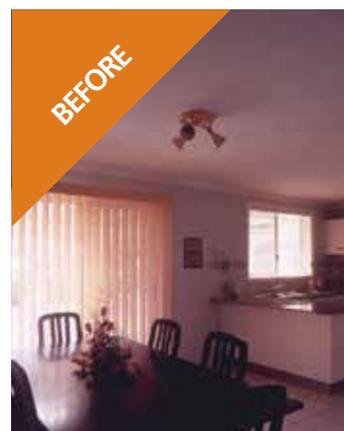
Manufactured in Australia for Australian conditions since 1976, the Skydome™ skylight is the biggest seller on the market. Little wonder, with an enormous range of available sizes, glazing options and accessories - as well as our attention to quality manufacture and installation.

The Skydome skylight is designed for installation into almost any new or existing structure. It offers you the freedom to locate a bathroom, ensuite, kitchen and laundry away from exterior walls, providing overhead natural light and ventilation in a cost - and energy-efficient way.

Skydome skylights are guaranteed to be entirely weather proof and robust, and are manufactured from quality raw materials sourced within Australia. Available in a wide range of sizes and models to suit all building applications, they complement the Australian roof construction industry. In addition to our standard range of square or rectangular sizes, a number of circular and pyramid shapes is available.

Skydomes provide protection from harmful UV rays (99% UV blackout) and have been tested to Australian Standard (AS4285) - your guarantee of quality workmanship and materials.

Skydome - the original and the best!





OUR QUALITY GUARANTEE

All Skydome skylights have been tested to Australian Standard (AS4285) - your guarantee of quality workmanship. In the unlikely event of a product or installation fault, we offer a 7 year guarantee on our acrylic products, 15 years on glass skylight flashings & 10 years on glass. All installations are backed by a 7 year guarantee.

The difference between a Skydome guarantee and most other guarantees is at Skydome we guarantee our tradesman's work - so you never have to track down that hard-to-find sub-contractor. We have been installing skylights since 1976, so you can be assured that in the unlikely event a problem arises, we will be there to rectify it for you.



ABOUT SKYDOME

Skydome Skylight Systems (**formerly Skydome Industries**) was established in 1976 to provide natural lighting solutions, linking the internal environment to the external environment.

A pioneer in the skylighting industry, Skydome Industries has changed the way skylights were perceived - not just a piece of glass on the roof, but an innovative method of linking the internal and external environments.

Whilst the initial product was the very popular Skydome, the company now designs, manufactures, distributes, exports and installs a wide range of award winning skylighting and ventilation products.

The same product quality and innovation that differentiates Skydome from its opposition was also used in landmark projects such as Sydney's Star City Casino, IMAX Theatre, Darling Harbour, Sydney International Airport, The Olympic Aquatic Centre, Homebush Rail Link, World Square, to the glazing of the Stadium Australia roof, venue for the 2000 Olympic Games.

In late 2011 Skydome left its base in Five Dock and moved to a new location in Sydney's west at Seven Hills. Our modern showroom, complete with state of the art manufacturing facilities and administration/technical support are all located here under the one roof.

OUR PURPOSE

To create a vital link between people and the environment.

OUR OBJECTIVE

To lead the world in Natural Lighting Technology. This will encompass Design, Performance, Value and Distribution.

OUR EDGE

We provide natural lighting solutions to technically difficult tasks that establish world class standards.

SKYDOME SYSTEM

SKYDOME - SKYLIGHTS

Whether you are building a new home, a kitchen renovation, bathroom renovation or renovating any room in your home, a Skydome skylight will make a dramatic and welcome change.

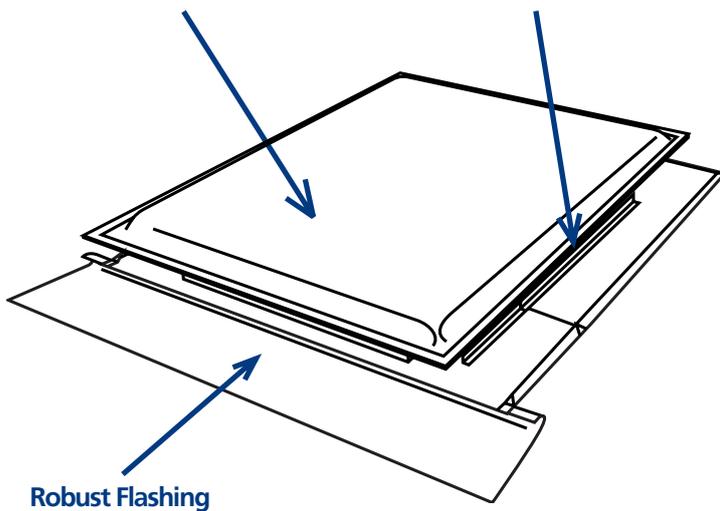
A Skydome traditional skylight will suit most types of roofing profiles: corrugated, metal deck and tile. Robustly built roof flashings for the tough Australian climate have been foremost in our consideration. Every Skydome skylight comes with a 7 year guarantee of manufacture and workmanship. For further protection, each dome is manufactured using Skyguard, eliminating 99% of harmful UV rays. Also, you may be interested in our range of quality glass skylights, including double-glazed. We also manufacture bush fire rated skylights should your home or building be located in a bush fire zone.

UV Skyguard™ Glazing Provides 99% UV Blockout

Available in Opal, Clear, Tint,
Polycarbonate and Glass

Direct Flow System

Primary and Secondary
Water Drainage Channels



The Tile Skydome™ model features a Direct Flow System. This water removal system is an integral section located on both sides of the flashing. It provides a primary and secondary watercourse for an absolutely watertight installation and aids self-cleaning.

SKYDOME®

Designed to brighten
your home - Naturally

GLAZING

There are three styles of glazing for you to choose from, either 3mm thick, 4.5mm or 6mm and each is UV-stabilised and will eliminate 99% of potentially harmful UV rays. Optional glass glazing is available to achieve a low profile appearance, and meet strict fire code regulations (please refer to glass skylight brochure or web site for further details and specifications).



OPAL

ON METAL ROOF PROFILE

Our opal glaze provides a soft, diffused light that spreads evenly around the room. We recommend the use of the opal on north- and west-facing roofs, as it diffuses direct sunlight and minimises heat transfer.



CLEAR

ON CORRUGATED ROOF PROFILE

Clear acrylic provides a crystal-clear view of sky and clouds as well as the night-time stars. This option is best suited to south- and east-facing roofs. You can choose from a wide range of blinds, enabling you to regulate the amount of light and heat entering the room.



TINT

ON TILE ROOF PROFILE

The smoky-grey colour of the tinted glaze is a fantastic complement to dark-coloured roofs, and will provide some shading from harsh sunlight.

DIMENSIONS

Perhaps the most important question to consider when choosing a Skydome skylight is "what size do I require?". We carry a large variety of sizes to suit any situation and roof structure. In most instances, the size of the room and the amount of light desired will determine the ideal dimensions of your new Skydome.

The roof structure will also play an important part in the decision. In a conventional roof, the rafters and ceiling joists can be altered to accommodate the majority of available Skydome sizes. For a trussed roof, your Skydome will need to fit between the trusses (which are usually 600mm centres); therefore, the 550mm wide range of sizes should be used.

Please contact us for expert advice on choosing the ideal size for your requirements.

SKYDOME DIMENSIONS	ROOM SIZE
400mm x 700mm	2.4m x 3.0m
550mm x 550mm	2.4m x 3.0m
550mm x 800mm	2.4m x 3.5m
550mm x 1100mm	2.4m x 4.0m
550mm x 1400mm	2.4m x 4.5m
800mm x 800mm	2.4m x 4.0m
Other sizes available	



An all-metal Skyhatch is being installed at the south east pylon on the iconic Sydney Harbour Bridge.

INSTALLATION

The Skydome skylight has been designed to withstand the harsh Australian conditions. The flashings are purpose built for any roof type and are guaranteed against leaks. The Direct Flow System on our Tile skylights provides both a primary and secondary watercourse; water can flow freely around the tray, promoting a self-cleaning action to clear leaves and debris in the flashing tray.

We provide a comprehensive installation service - fully warranted. We will gladly provide you with obligation-free advice and quotations. Selecting the right type of product and size for your home can be a daunting exercise. Rest assured our technicians are trained to provide you with the right advice and to help you make the right choice, first time.

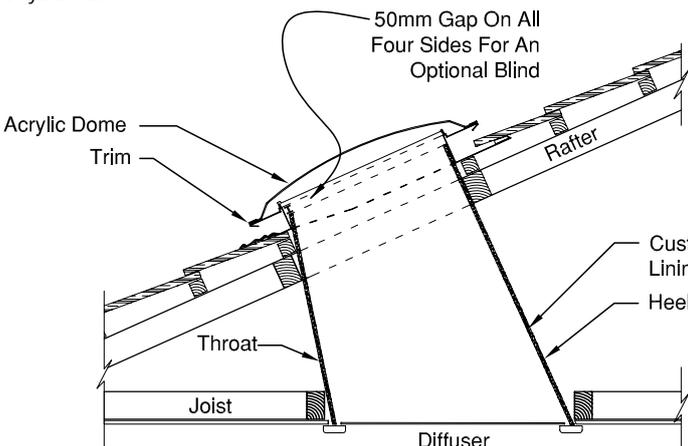


LIGHTSHAFTS

Once on your roof, a path is required between your roof and ceiling for the light to travel; there are two main options available for achieving this:

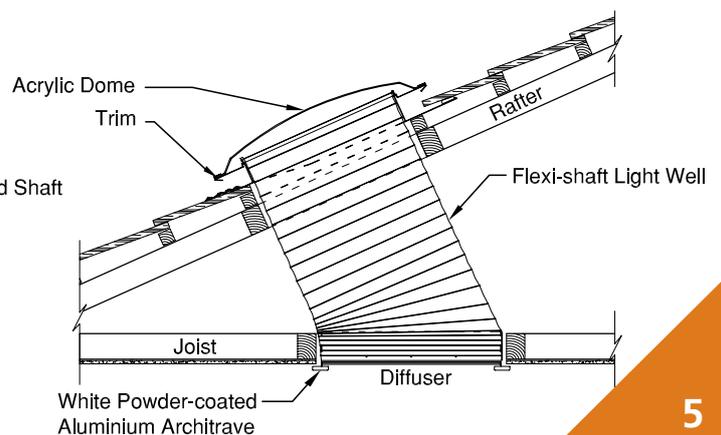
1. SOLID LIGHTSHAFT

Usually built in Customwood, the solid shaft creates a beautiful feature finish which can be left open at the ceiling creating a sense of space. The solid shaft allows the lightwell to be splayed (front to back only) so that you can maximise the performance and spread of light from your Skydome.



2. FLEXI-SHAFT

Flexi-shaft is a cost-effective way to install a skylight, especially where there is a long distance between your roof and ceiling. It also allows the Skydome to be installed in cluttered areas of your roof cavity. The Skyflex kit is finished at the ceiling level with a white slimline architrave and stylish diffuser panel.



SKYDOME GLASS SKYLIGHTS

SKYDOME GLASS SKYLIGHTS

A Skydome glass skylight will suit most types of roofing profiles including corrugated, metal deck, hobs and tile. Robustly built roof flashings for the tough Australian climate have been foremost in our consideration. Every Skydome glass skylight comes with a 15 year guarantee of manufacture on our flashings and 10 year guarantee on our glass. For further protection, each dome is manufactured using Skyguard, eliminating 99% of harmful UV rays. A double-glazed version is also available. We also manufacture bush fire rated skylights should your home or building be located in a bush fire zone.

The extensive range of Skydome glass skylights is constructed using a one piece roof flashing unit. The roof flashing is watertight, robust and manufactured using Bluescope Steel and can be colour coated to match your roof. You can choose from Opal, clear or tinted glass and your choice of either single glaze or double glaze glass.

The glass skylights greatly assist in the reduction of noise levels and meet the strict Basix requirements (U-values and solar heat gain co-efficiency).

Note:

Properties that are located in close proximity and are prone to corrosion, e.g. coastal, it is the customer's responsibility to specify suitable material, i.e. aluminium, stainless steel metals when ordering.

All electric products and accessories are covered by 12 months warranty from date of purchase.

We use Acryflash Lead on our Tile Skylights Acryflash® - The new Improved AS4020 Compliant Acrylead®. This is compliant with the Australian Drinking Water Standard AS/NZ4020.

FLASHING

15
YEAR

WARRANTY

Glass

10
YEAR

WARRANTY

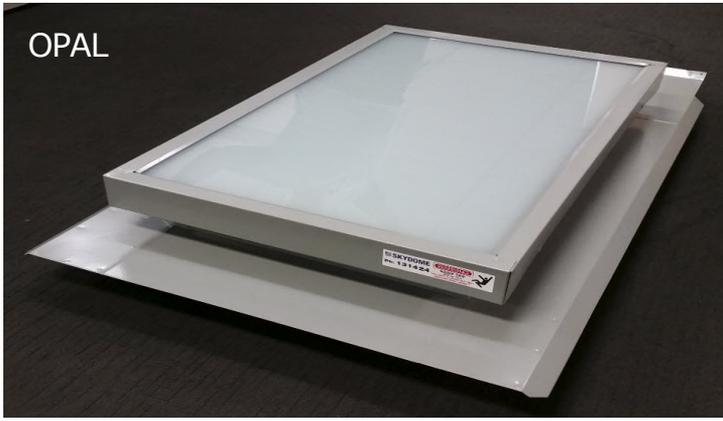
REPLACEMENT GLAZING

NEW LIFE FOR AN OLD SKYLIGHT

Hail damage, cracks, weathered and worn skylights manufactured by other companies can be quickly and simply replaced. Skydome can supply low-profiled replacement glazing for most brands of domed, tubular and glass skylights. Glazing materials include opal, tint or clear acrylic, strengthened polycarbonate and a range of glass types.

All replacement skylights feature Skydome SkyGuard - reducing UV rays by 99%. Replacement fitting is relatively simple, however; we also provide a complete installation service.





OPAL

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Our opal glaze provides a soft, diffused light that spreads evenly around the room. We recommend the use of the opal on north- and west-facing roofs, as it diffuses direct sunlight and minimises heat transfer.



CLEAR

CLEAR

Clear acrylic provides a crystal-clear view of sky and clouds as well as the night-time stars. This option is best suited to south- and east-facing roofs. You can choose from a wide range of blinds, enabling you to regulate the amount of light and heat entering the room - particularly beneficial if the clear glazing option is chosen for a northerly or westerly aspect



TINT

TINT

The smoky-grey colour of the tinted glaze is a fantastic complement to dark roofs.

BUSH FIRE RATED SKYLIGHTS

If your home is within an area of high bush fire risk, you must comply with strict building codes for all building materials including windows and skylights.

Skydome's range of non-combustible glass skylights comply to Australian Standard AS3959-2009 and has been assessed by CSIRO's Manufacturing and Infrastructure Technology Division as compliant to clause C1.12(f) of the Building Code of Australia.

The bush fire/non-combustible skylight is normally supplied with 6mm/6.38mm thick safety glass, however; thicker safety glass or other glass types are also available.

AS3959 Bush fire zone specifications

AS3959 – 2009 Summary
CONSTRUCTION FOR BUSH FIRE
ATTACK LEVEL LOW
(BAL - LOW)



SKYTUBE SYSTEM

SKYTUBE 250

A Skytube is a great addition to laundry renovations, kitchen renovations or any small rooms where natural light is required.

Until now, tubular skylights have only performed at their optimum level when the sun is high in the sky (from 10.00am to 2.00pm). In most instances, tubular skylight performance decreases dramatically in the early and late afternoon when needed most. Skytube's patented Intech lens, located in the dome, collects the low elevation sunlight in the early morning, late afternoon and winter, whilst at the same time regulating the light during the hot midday summer sun to provide cooler daylight. The use of our patented Variable Pitch Adaptor enables us to provide a straight path of light between any roof pitch and ceiling, and to bypass obstacles without having to bend our tube around them.

It is common knowledge that "light does not travel around corners". The transfer of light down the tube (or the light transfer pipe), is particularly enhanced with Silvertube, a 97% reflective, light transfer pipe. This guarantees minimal light loss between what enters and what is transferred to the room below.

Skytube Intech is a truly smart skylight.

Similar to task lighting we recommend Skytube Intech for installation in smaller rooms, hallways, bathrooms and laundries, however, multiple installations in the one room can give spectacular results.

The Skytube Intech is easy to install. Moulded flashings are designed to suit specific roof types including corrugated iron, metal deck/Kliplok, concrete tile and terracotta tile, facilitating ease of installation and, most importantly, watertightness.

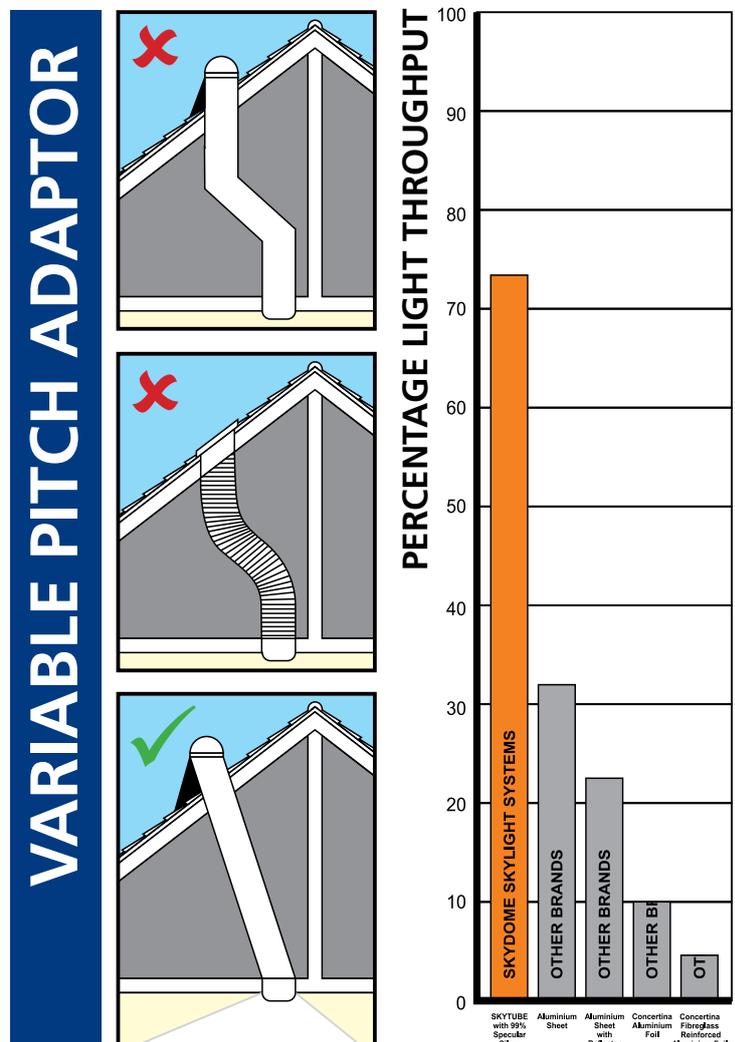
We provide a comprehensive installation service; fully warranted. We will gladly provide you with obligation-free advice and quotations. Selecting the right type of product and size for your home can be a daunting exercise. Rest assured our technicians are trained to provide you with the right advice and to help you make the correct choice for your home.

University and independent laboratory tests prove that Skytube Intech is one of the most sophisticated tubular skylights available on the market today.



*Designed to brighten
your home - Naturally*

THE INTECH LENS®



SKYTUBE 400

SKYTUBE 400

For medium-sized rooms in need of fresh, natural light and ventilation, consider the Skytube 400. With an attractive low-profiled roof dome, Skytube 400 will transfer natural light into the room below, making it brighter, fresher and more inviting.

The light is transferred from the sky to the room below using a highly reflective Flexishaft or Silvertube. This enables ease of installation and versatility.

The stylish ceiling diffuser allows ventilation to be controlled at the ceiling level. It has three positions: closed, half vent and full vent. Again, the 400 series utilises two forms of light-carrying systems:

Option One - the 400mm Flexitube®, utilises a flexible lightshaft.

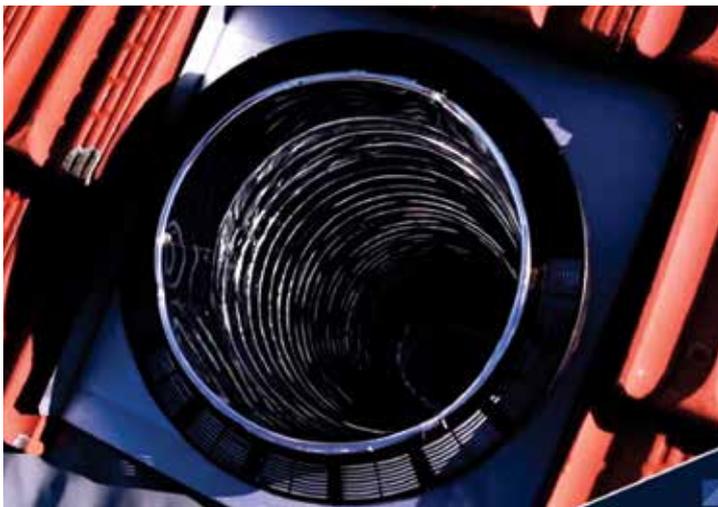
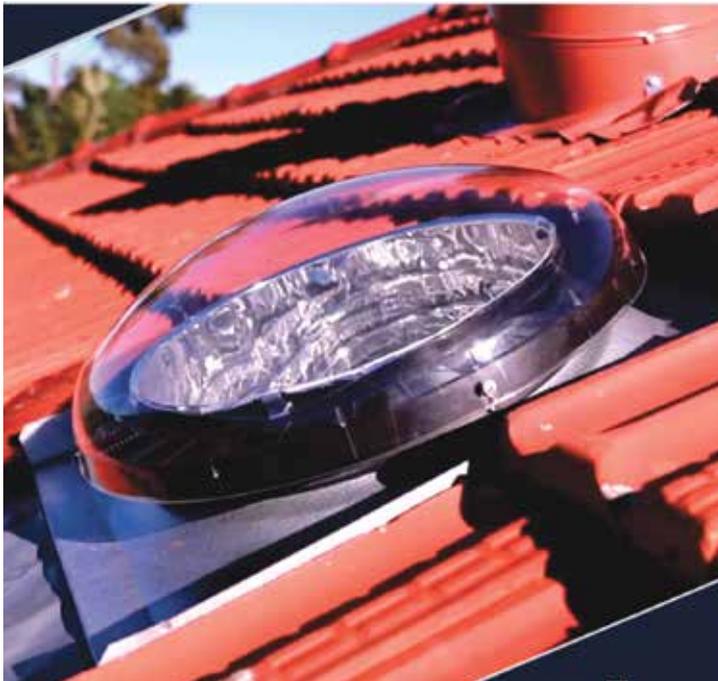
Option Two - the 400mm Skytube®, utilises the high performance Silvertube.

Please note, for maximum performance and energy efficiency, we recommend the use of our Intech lens for option one.

SKYTUBE 400 SPECIFICATIONS:

Diameter of tube or flexishaft: 400mm

Light tube lengths: up to 6m



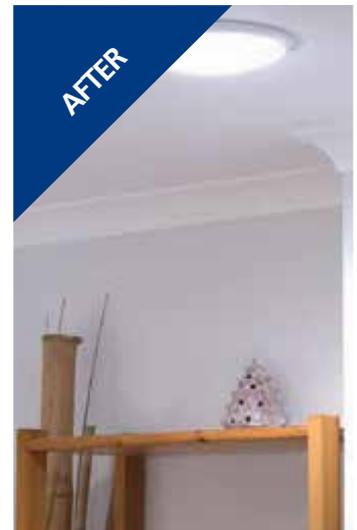
ENERGY EFFICIENCY

Tubular skylights reduce absolute heat loss and heat gain because of their small cross-sectional area. Their daylighting effect relies on their ability to “capture” and disperse direct-beam solar radiation. A specularly reflecting tube, such as Skydome’s Silvertube, is used to direct the sunlight downward, with best results being achieved by a straight tube with a silvered lining. Preferably, tubes should have a specular visible reflectance of 85% or greater (AS 4285-2007). Diffusers should be fitted to these skylights to reduce glare and to throw light over a broad area.

Skylights are “a natural for one and two storey construction and places where human happiness matters” (Heschong 1998). They increase the amenity of internal spaces that have no windows and they promote architectural freedom.

The skylight module of the Window Energy Rating Scheme is known as WERS for Skylights. It provides a compatible, yet distinct, system for the energy rating of skylights. The scheme takes account of key differences between the energy performance of windows and skylights.

Skydome Skytubes are a perfect energy-saving addition for any home.



POWERVENT SYSTEM

POWERVENT SMV 300

Our harsh Australian environment and often poor building design can result in our homes heating up very quickly during the day. Heat trapped in the roof space also results in timber distortion, sagging ceilings and, ultimately, paint problems.

During winter months, moisture can become trapped within the roof cavity, resulting in the growth of mould and mildew. While all of this happens in the background, the most important reason to ventilate is to **cool your home and substantially reduce your air conditioning energy costs.**

As the heat builds up in your roof, it radiates through the ceiling and into the rooms below. This heat becomes trapped in a band up to 500mm deep - if the ceilings in your home are 2.4m high, this heat band can be just above your head height!

Ventilation of your roof cavity is the most effective way to combat all of these problems.

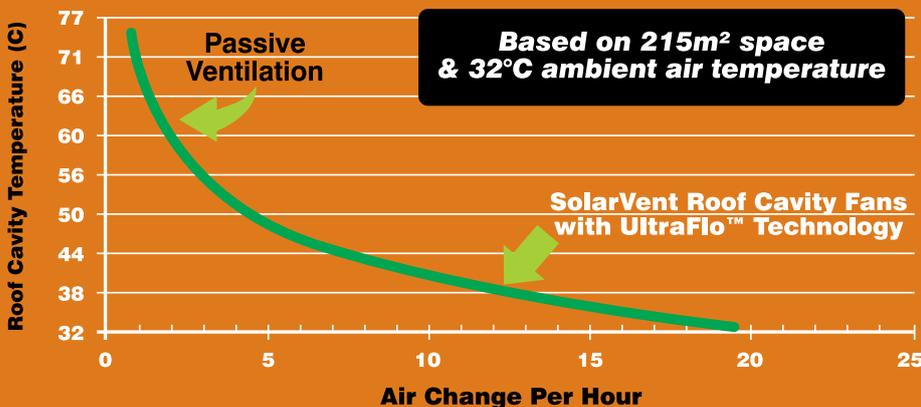
The answer? Skydome's Powervent SMV300. Equal to 8 wind-powered twirling vents.

Hot day + no wind = poor result!



Benefits:

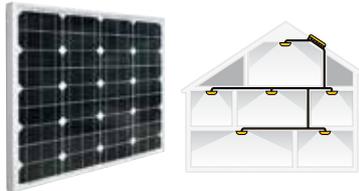
- SMV300 extracts hot air from the roof cavity, substantially reducing your energy bills.
- Powervent can also allow hot air to be extracted from individual rooms using directional ducting and ceiling grille.
- You may choose to utilise a timer to pre-set the operating mode.
- Simply plugs into a power point in your roof cavity (an electrician is required) or hardwired to a switch inside a room in your home.



EFFECT OF VENTILATION ON ROOF CAVITY TEMPERATURE

SKYDOME®

Designed to brighten your home - Naturally



Technology

The patent pending technology of DayRay™ is made up of a super efficient solar panel & state of the art LED VividDay™ luminaire that evenly distributes the light to the room.

Skypanel Evolution 2 Solar Panel – German designed monocrystalline solar panel – guarantees high peak efficiency. This high efficiency panel enables our Skypanel™ to be compact, minimising the visual impact on the roof while maximising performance and output from our VividDay™ LED range of internal fittings. The Skypanel is also engineered to still perform adequately even in low light or overcast conditions.

The VividDay™ Luminaire is a compact modern recessed fitting.

- The VividDay™ LED multi layered array technology with daylight 5000k & CRI≥80 delivers a whopping >2300lumens
- Balanced spectrum LEDs
- Super long life LEDs used in VividDay™ are tested to 36000 hrs

**A typical 100 watt incandescent bulb has a luminous flux of about 1600 lumens.*

Benefits

The benefits of naturally well lit homes are well-documented – they are happier and healthier places in which to live. There are multiple benefits to harvesting solar energy & one of the most compelling is that it is an abundant and free natural resource - so we are saving energy as well as our precious environment.

- Free running cost
- Easy to Install, Plug & Play
- Can be fitted to all roofs
- Round, Square & rectangular light fittings
- The ability to light the inner areas not suitable for conventional skylights
- No heat loss / gain
- No need for structural alterations
- Fixed even light distribution
- Cost effective
- Safe low voltage system
- Provides a connection with the outside environment & mimics skylighting by fluctuating as the clouds roll by
- 30, 50 & 75 Watt kits available

TESTIMONIALS

Since 1976 Australia's longest established skylight company has focused on customer satisfaction and "good old fashioned service". Here are just a few testimonials we have received:

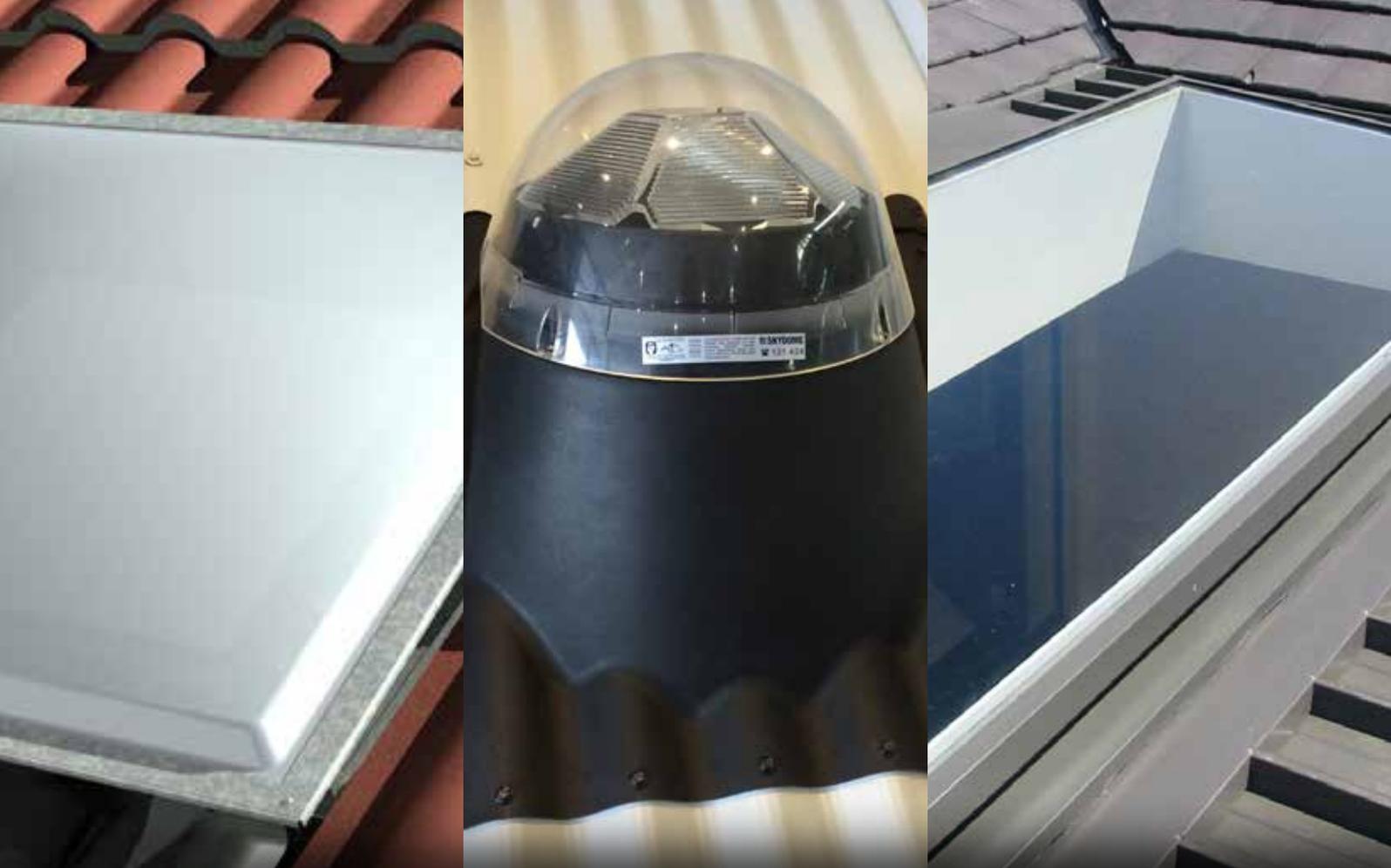
"A huge thank you to Skydome for a brilliant product. We just renovated our kitchen and bathroom and the use of your skylights has provided a vivid and natural lighting effect. Our friends and neighbours are stunned at the impact that your quality products have added to our home. Thank you Skydome." Lisa, Canyonleigh, NSW.

"Thank you Wade and thanks to Skydome, my house has been transformed in one day. A difficult job well done by conscientious staff. Good value! Thanks again." Deborah, Penrith

"I'm thrilled! The results are amazing and the guys were great. The whole procedure has been lovely and is a great advertisement for your products." TL, Maroubra

"I feel I must congratulate you all on the efficient, courteous and professional service you provide...The two Skytubes fitted today in our lounge room provide an unbelievable amount of light and this is an overcast day. I am thrilled with the result. As bright as the outdoors! Thank you all." KS Mascot

"My wife and I purchased a Skytube from you on the 5th of December and completed the installation a few days later. The difference it has made in the kitchen/breakfast area is really incredible and we realise now that we should have done it years ago. I would like to thank you for the time you spent with us making sure we understood the correct location on the roof to give us the best results. One just doesn't seem to get that sort of service these days so it was a pleasure doing business with you." K&D K, Roseville



Agent/Reseller

www.skydome.com.au

The only web address you will need when it comes to natural lighting and ventilation products.

DISCLAIMER

The information contained in this brochure was correct at time of publication. Skydome Skylight Systems has the right to change any specifications at any time. Any updated or changed specifications or product features will be made available on the company web site: www.skydome.com.au. Skydome Skylight Systems will not be responsible for any physical or financial loss or disadvantage based on the specifications contained within this brochure.

 **SKYDOME®**

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