



# PolyDome™ Polycarbonate Skylights

*Energy efficient light control*



**belle**

Proudly Australian Made and Owned by **Belle Design & Manufacturing**



# PolyDome™ Polycarbonate Skylights

## NATURAL DAYLIGHT SYSTEMS

### Belray PolyDome™ Security Minded High Impact Polycarbonate Skylights

#### Features:

- The PolyDome™ is fabricated from highest quality Polycarbonate renown for impact strength which is 250 times that of float glass and provides enduring protection against vandalism and accidental damage.
- At a comparable thickness, Polycarbonate offers better insulation than either glass or Acrylic, available for extra insulation and added strength is the PolyDome™ double dome.
- PolyDome™ skylight domes have a very low fire indice (refer chart) due to excellent flame retardent characteristics and are ideal for public areas such as schools, offices & warehouses, shopping centres and protective outdoor areas.
- Optional venting or non-venting available. For added ventilation an exhaust fan may be installed into the dome.
- PolyDome™ skylights perform well under prolonged outdoor exposure, being made of high density U.V. stabilised Polycarbonate.
- Domes available in clear, opal & tinted Polycarbonate.
- Suitable for all roof types, Colourbond flashings available to co-ordinate with roof colour (standard Zincalume or Galvanised).

### PolyDome™ Standard Size Chart\*

size (mm)	actual throat size (sq.m)	ventilation area (sq.m)
400 X 400	0.16	0.059
500 X 500	0.25	0.081
600 X 600	0.36	0.095
800 X 800	0.64	0.122
900 X 900	0.81	0.136
1000 X 1000	1	0.149
1200 X 1200	1.44	0.176
1500 X 1500	2.25	0.217
500 X 700	0.35	0.081
500 X 800	0.4	0.102
500 X 900	0.45	0.104
500 X 1000	0.5	0.112
500 X 1200	0.6	0.129
600 X 800	0.48	0.108
600 X 1200	0.72	0.136
800 X 1200	0.96	0.149
900 X 1500	1.35	0.179
1200 X 1800	2.16	0.223

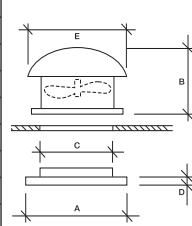
\* Other sizes available P.O.A.

### PolyDome™ Comparative Information

Product	Light Transmission	Weathering	Colour Retention	Impact Strength	Chemical Resistance
Polycarbonate 'Clear'	80% PLUS	Excellent	Excellent	Excellent	Good
Flat Fibreglass	under 80%	Poor	Poor	Good (Not Guaranteed)	Good
Rigid PVC	75-80%	Poor	Poor	Good (Not Guaranteed)	Excellent
Glass	80-89%	Excellent	Excellent	Good (Not Guaranteed)	Excellent
Acrylic	80-89%	Excellent	Excellent	Good (Not Guaranteed)	Good

### PolyDome™ Exhaust Fan Specifications

Product Code	E7WM/DD	E10WM/DD
A	267mm	337mm
B	150mm	185mm
C HOLE (dia)	213mm	265mm
D	33mm	35mm
E	270mm	340mm
Air Movement	205m <sup>3</sup> /HR	480m <sup>3</sup> /HR
Amps	0.20	0.40
Watts	22	52
Ball Bearing Motor Continuous Running	YES	YES



#### Extract from Experimental Building Station, North Ryde, NSW. 21/11/78

Subject: Early Fire Hazard Properties of Material Report Number E4511  
Tradename: 'A' Polycarbonate

Results:	Ignitability Index (0-20)	Spread of Flame Index (0-10)	Heat Evolved Index (0-10)	Smoke Developed Index (0-10)
	0	0	0	2

Belle Design Skylights are select tested to AS 4285-1995

#### To specify:

When ordering quote:  
**Belray PolyDome:**  
Vented or non vented, roof type, roof material, roof colour if required, dome colour, size and if rectangular, measurement across roof x length up roof.



DESIGN AND MANUFACTURING

125 Chesterville Road Moorabbin VIC 3189

(03) 9555 2388

(03) 9532 3470

info@belledesign.net

www.belledesign.net



BELLE DESIGN - Specialising in natural daylight systems