



The SwiftBox[®] Arc-Light is a MISP Skybox that functions as a modular member with the ArcPanel[®] system.

A cost effective 'plug and play' trafficable skylight solution that achieves seamless underside finish with Compatible⁺ span capability to Arcpanel[®] Ecotek Panels thus cutting time and cost in labour and structural support.



Benefits

- Factory assembled skybox to direct fit Ecotek[®] 150-250mm Roof Panels achieving seamless underside finish and fast installation (no flashing required) in lengths up to 12m*
- Comparable single & multi-span performance in just a single span skybox eliminating costly structural steel and installation⁺
- Can be manufactured to cantilever and curved to a minimum radius of 12m.
- Trafficable skylight solution as per AS1562 eliminating need for safety mesh
- Up to 80% transmission of diffused light - UV protected - thermal value R0.36
- Australian made & assembled aluminium structure for complete corrosion resistance.
- Facilitates concealed services pass through.
- Suitable for all commercial applications including aquatic & highly corrosive environments**

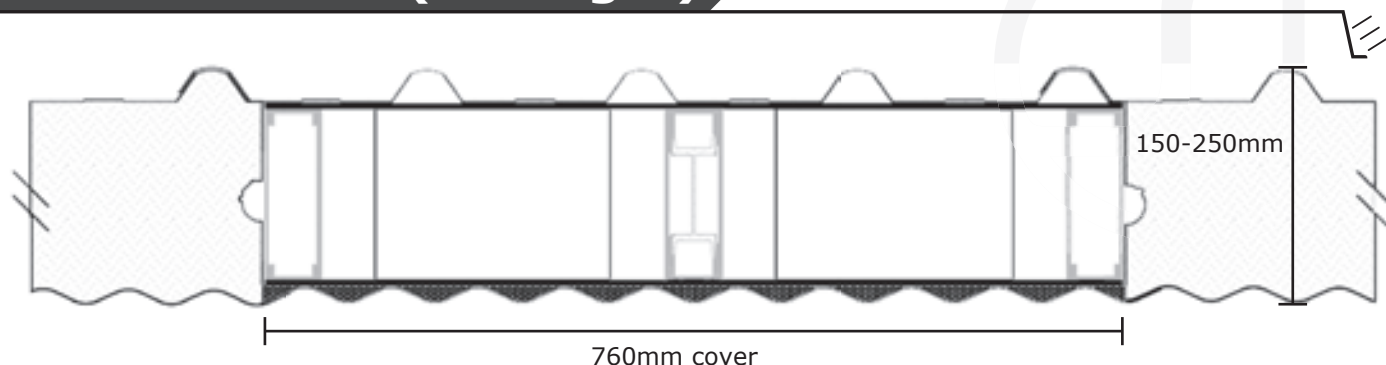
Save Cost & Time

- Simple and fast installation reduces labour, material and equipment hire cost needing only 6 fix-down screws per box, sealing and standard fix down of skylight roof sheet.
- Seamless underside lapping eliminated cutting and flashing.
- Large spanning capability eliminating cost of additional steel structure or safety mesh.

Warranty Backed Total Solution

The Swiftbox[®] Arc-Light is backed by a 20-year structural warranty and a 15-year light transmittance warranty, refer to the product warranty guide for conditions and exclusions.

Technical Data (Arc-Light)



SPAN TABLE

Non-Cyclonic Region A & B Roof Applications Only, Maximum Uniformly Distributed Wind Load (kPa) for the Given Roof Spans (Pressure Acting Outwards)

*All values below 6m on single span achieve 6m in multi-span scenarios (maximum panel length 12m)

SINGLE SPAN*

Size/Load	1.0 kPa	1.5 kPa	2.2 kPa
150mm	5.8m	5.1m	4.5m
175mm	6.5m	5.7m	5.0m
200mm	9.0m	8.0m	7.0m
250mm	12m	12m	10.4m

Physical Properties

SwiftBox® Arc-Light

PROPERTY	VALUE	
Dimensions	Thickness	To suit 150-250mm ArcPanel Ecotek®
	Length	3.0m to 12m
	Width	760mm cover 950mm total
Weight*	Bare box only	10-20kg/LM
Composition	Aluminium	T5 6063 (coated as req.)
	Assembly Screws	Class 4 Tek (Class 5 upon request)
	Skylight sheets	Polycarbonate UV protected
	Sealants	Low Density EVA Foam, nylon
Light %*	Clear 2 side	81% SHGC 0.78
	Opal underside	21% SHGC 0.29
Thermal	R-Value / U-Value	R0.36* / U2.77
Acoustic	DIN 52210-75	RW24

Polycarbonate Sheets

PROPERTY	VALUE	
Ceiling Lining	Corrugated 2.8mm Diffusor	
Roof Skylight Sheet	Trimdek 1.25mm	
Service Temperature	Short Term	-50° to 120°
	Long Term	-50° to 100°
Tensile Strength at yield	ISO 6603/1 E50	62MPa (10mm/min)
	ISO6603/E50	50-75j
Fire Hazard Ratings	EN 13501-1	B-s1, d0
	- AS5637.1	C1.10
	- AS1530.3	Ignitability Index
		Smoke Index
		Flame Spread Index
		Heat Evolved Index
- Bushfire	Ancillary use	BAL19
Warranty	13 Year Manufacturer	

*Subject to selections
Information contained within is current as of 07/2021
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