



## **NBS Project Specification – Barrel Vault Rooflight**

L10 Windows / Rooflights / Screens / Louvres

- Manufacturer: Astrofade Ltd. Sales Agent Scotland, Brownlie Partners,  
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- Product reference: Astrofade Barrel Vault

- Type: Low Rise Barrel Vault Rooflight

- Designed and manufactured to:           BS EN 6375 Weather Tightness  
  BS EN 1026 Air Permeability  
  BS EN 1873 Water Tightness of Polycarbonate Rooflights

- Frame: Aluminium to BS147;1987 Alloy 6063-T6

- Colour: To any standard RAL colour

- Finish: Polyester powder coated to BS6496:1984 Interpon D range, 25 Year life expectancy

- Gaskets: To BS EN 3302-1:2014

- Sealants: To BS EN ISO 11600: 2003+A1:2011 Neutral cure silicone with high movement accommodation

- Kerb: To mount onto structural upstand provided by and weatherproofed by others

- Glazing: **Option 1 – solid polycarbonate sheet**

Makrolon UV 2099 Longlife Polycarbonate sheet with 10 year warranty for weather resistance and retention of mechanical properties, 3mm UV solid polycarbonate per skin

Fire Rating: Rated to BS476 Part 7: Class 1Y

Light transmission: Triple skin 73%

U-value: 1.8W/m<sup>2</sup>K

**Option 2 – mutliwall polycarbonate sheet**

Makrolon UV 1099 Longlife Multiwall Polycarbonate sheet with 10 year warranty for weather resistance and retention of mechanical properties

Fire Rating: Rated to BS476 Part 7: Class 1Y

Light transmission: 68 - 77%

U-value: 1.6 - 2.4W/m<sup>2</sup>K

- Fragility: Non fragile Class B to ACR(M)001:2014, Test for Fragility of Roofing assemblies

- Guarantee: Astrofade guarantee the product against faulty materials for 20 years, and will rectify the defect without charge to the customer

- Sizes: Width and length to site sizes

- Optional: Ventilation/opening sections available if required

- Installation: By Astrofade fitters