



Daylight Systems



NBS125

August 2018

Mardome Reflex
NBS Specification

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Mardome Reflex

Consult Brett Martin Daylight Systems early in the design process as we can provide in-depth assistance with design and specification.

Mardome Reflex is a 'glazing only' specification rooflight option designed for refurbishment projects where only the glazing is being replaced.

Mardome Reflex is available with 75mm or 100mm flat flanges providing the flexibility for fixing to existing kerbs of varying dimensions.

Mardome Reflex is available in a curved dome or a pyramid profile in either clear, bronze or opal tint or a textured glazing option. A wide range of sizes in single, double and triple skin polycarbonate glazing are available. The light transmission values of the glazing options can be seen below, along with data for the U-Values regarding different glazing types.



- Glazing only for refurbishment applications.
- Contemporary design (dome and pyramid options).
- U-value to as low as 1.8 W/m²K.
- Options to satisfy requirements for light transmission and thermal performance.

Tint	Lighting Effect	Light Transmission (%) DIN 5036		
		Single Skin	Double Skin	Triple Skin
Clear	High Visibility	90%	85%	78%
Textured	Privacy	84%	78%	72%
Bronze	Solar Control	54%	39%	36%
Opal	Diffused Light & Solar Control	37%	35%	32%

New Generation Thermal Efficiency	
	Centre Pane U-Value ¹ (W/m ² K)
Single Skin Polycarbonate	5.5
Double Skin Polycarbonate	2.7
Triple Skin Polycarbonate	1.8

¹ Centre pane U-value is a measure of the thermal efficiency of the glazing type.

Consult Brett Martin Daylight Systems technical literature for further details.

Full NBS Specification clause OVERLEAF



NBS Specification Clause – Mardome Reflex

- Manufacturer:** Brett Martin Daylight Systems Ltd., Sandford Close, Aldermans Green Industrial Estate, Coventry, CV2 2QU. Tel: 024 7660 2022 Fax: 024 7660 2745.
Email: daylight@brettmartin.com **Web:** www.daylightsystems.com
- Product ref:** Mardome Reflex rooflight – glazing only ‘Refurbishment’ Specification Dome
- Type:** Sleek, contemporary aesthetics inside and out:
Low rise curved profile glazing / Low rise pyramid profile glazing.
- Size:** Rooflight size in mm (equals overall external dimension of builders upstand):
450 x 450 / 600 x 600 / 600 x 750 / 600 x 900 / 600 x 1050 / 600 x 1200 / 600 x 1350 / 600 x 1500 / 600 x 1650 / 600 x 1800 / 750 x 750 / 750 x 900 / 750 x 1050 / 750 x 1200 / 750 x 1350 / 750 x 1500 / 750 x 1650 / 750 x 1800 / 750 x 1950 / 900 x 900 / 900 x 1050 / 900 x 1200 / 900 x 1350 / 900 x 1500 / 900 x 1650 / 900 x 1800 / 900 x 1950 / 900 x 2100 / 1050 x 1050 / 1050 x 1200 / 1050 x 1350 / 1050 x 1500 / 1050 x 1650 / 1050 x 1800 / 1050 x 1950 / 1050 x 2100 / 1050 x 2250 / 1200 x 1200 / 1200 x 1350 / 1200 x 1500 / 1200 x 1650 / 1200 x 1800 / 1200 x 1950 / 1200 x 2100 / 1200 x 2250 / 1200 x 2400 / 1350 x 1350 / 1350 x 1500 / 1350 x 1650 / 1350 x 1800 / 1350 x 1950 / 1350 x 2100 / 1350 x 2250 / 1350 x 2400 / 1500 x 1500 / 1500 x 1650 / 1500 x 1800 / 1500 x 1950 / 1500 x 2100 / 1500 x 2250 / 1500 x 2400 / 1650 x 1650 / 1650 x 1800 / 1650 x 1950 / 1650 x 2100 / 1650 x 2250 / 1650 x 2400 / 1800 x 1800 / 1800 x 1950 / 1800 x 2100 / 1800 x 2250 / 1800 x 2400.
Non-standard sizes also available (...mm x...mm roof opening.)
- Glazing Details:** Outer glazing to be 3mm Marlon FSX Polycarbonate glazing with co-extruded UV protection
Thermal Options: Single Skin / Double Skin / Triple Skin
Tint options: Clear / Textured / Bronze / Opal
See table for U-values and light transmission levels.
Fire rating: Class B-s1,d0 to BS EN 13501-1:2002
- Other Requirements:** 10 year commercial products warranty available on Mardome range.
BBA Approval (certificate number 06/4385)