

Mardome Trade

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

Mardome Trade is the 'standard' specification dome unit in our Mardome range.

Providing excellent insulation, triple skin Mardome rooflights achieve a centre pane U-value of 1.8 W/m²K. When supplied on our highly insulated multi-wall PVC kerb the Trade range boasts a U_d-value which ranges from 1.25 W/m²K for a 600x600mm dome to 1.52 W/m²K for a 1800x2400mm dome. Higher performance glazing can further reduce the U_d-value to as low as 0.96 W/m²K, as seen in the table below:



- Contemporary low rise profile (dome and pyramid options).
- Save energy and CO² emissions with options to reduce the U_d-value to as low as 0.96 W/m²K.
- Constant separation of glazing skins across full width of dome including fixing flange on triple skin and better glazing- avoids cold spots and minimises condensation risks.
- All components of powered opening domes (230V) are hidden for a streamlined light well.
- Extensive options to satisfy requirements for ventilation and light transmission.
- For ease of installation the tapered kerb foot does not require timber fillets.

The Mardome Trade range offers an economical quality rooflight option for a wide range of applications.

Consult Brett Martin Daylight Systems technical literature for further details.

See table below for light transmission options:

Mardome Thermal Efficiency			
	Centre Pane U-Value (W/m ² K)	U _d -Value (W/m ² K)	
		600x600mm	1800x2400mm
Double Skin Polycarbonate	2.7	1.54	2.11
Triple Skin Polycarbonate	1.8	1.25	1.52
Quad Skin Polycarbonate	1.4	1.12	1.26
Structured Polycarbonate Inner Glazing	1.2	1.06	1.13
Argon Filled Glass Inner Glazing	0.9	0.96	

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

² U_d-value is thermal efficiency of the developed rooflight unit (calculated in accordance with NARM Technical Document NTD2 (2009)).

Tint	Lighting Effect	Light Transmission (%) DIN 5036		
		Double Skin	Triple Skin	Quad Skin
Clear	High Visibility	85%	78%	72%
Textured	Privacy	78%	72%	66%
Bronze	Solar Control	39%	36%	33%
Opal	Diffused Light & Solar Control	35%	32%	30%

Full NBS Specification clause on Page 2 and 3



NBS Specification Clause – Mardome Trade

- 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 Trade rooflight - 'Standard' Specification Dome
- Type:** Sleek, contemporary aesthetics inside and out:
Low rise curved profile glazing / Low rise pyramid profile glazing |
- Ventilation options:**
None / Trickle Vent (8400mm²per dome) / Automatic Humidity Trickle Vent (7822mm²per dome) / Mardome Powervent Extraction Ventilation (55-880 m³/hr depending on spec). |
- Opening options:**
Fixed / Manual Linear Drive (MLD) / Powered Chain Drive (PCD) / Solar-Powered Chain Drive / Access Hatch (90° opening). |
- Size:** Rooflight size in mm equals roof opening size when supplied with kerb or overall external dimension of builders upstand if not supplied with BMDS kerb (some sizes not available with opening units. Consult Brett Martin Daylight Systems for details):
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.) |
- Frame:** Rigid PVC frame where applicable for specification.
- Kerb:** Rigid Multiwall PVC kerb, designed to fit directly to roof structural element (by others).
Direct Fix (DF) kerb (PVC kerb applied to existing builders upstand for ventilated or opening options) / Standard kerb (maximum roof covering termination height of 150mm) / Tall kerb (maximum roof covering termination height of 300mm) / Dome only option for fitting direct to existing Builders Upstand. |
- Glazing Details:** Constant separation of glazing skins across full width of dome including fixing flange on triple skin and better glazing avoids cold spots and minimises condensation risks. Outer glazing to be 3mm Marlon FSX Polycarbonate glazing with co-extruded UV protection.
Thermal Options:
Single Skin / Double Skin / Triple Skin / Quad Skin / Structured Polycarbonate inner / Argon Filled Glass inner |
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



Daylight Systems

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- Other Requirements:** 10 year commercial products warranty available on Mardome range.
BBA Approval (certificate number 06/4385)
Acoustic Pack available for increased noise insulation.
Burglar Bars available for increased dome security.
- Fixing:** In accordance with Brett Martin Daylight Systems' fixing recommendations.
Fixings included to attach kerb to timber deck.