

Light Modular Build (LMB)



LMB Key Features

Large Co² Reduction

Recyclable/Reusable

Short Lead Times

High Level of Accuracy

Flexible Designs

Multitude of Finishes

Scan the QR code to
view the detailing of
the RSE-LMB



LMBs are a direct replacement for industry standard enclosures.

This advancement in construction technology not only transforms the way in which frame structures can be built, but also expands design capabilities and significantly contributes to carbon savings.

1.0

Design

Steelwork is designed to Eurocode 3 which is a European structural design standard, covering the design of steel structures.

General design and manufacture is undertaken by an integrated CAD/CAM solution, where wind and snow loadings are applied and designed to meet the Eurocodes standard.

1.1

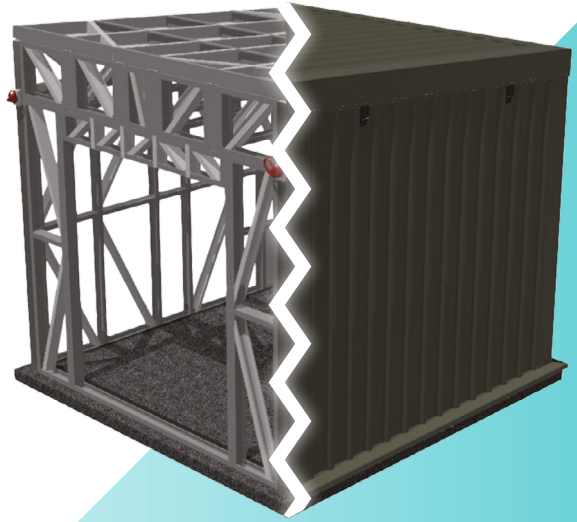
Structural Design

For standard products, the frames are designed for UK snow and wind loads (from Eurocodes Annex) to ensure conformance with the code regardless of location within the UK.

Product Name	Length x Width 4 x Height (Metres)	Security Rating			
		N/A	B3 (SR 2)	C5 (SR 3)	D10 (SR 4)
RSE - LMB 48	8 x 4 x 2.7 (Internal)	✓	✓	✓	✓
RSE - LMB 46	6 x 4 x 2.7 (Internal)	✓	✓	✓	✓
Product Name	Length x Width 3 x Height (Metres)	N/A	B3 (SR 2)	C5 (SR 3)	D10 (SR 4)
RSE - LMB 38	8 x 3 x 2.7 (Internal)	✓	✓	✓	✓
RSE - LMB 36	6 x 3 x 2.7 (Internal)	✓	✓	✓	✓
RSE - LMB 34	4 x 3 x 2.7 (Internal)	✓	✓	✓	✓
RSE - LMB 33	3 x 3 x 2.7 (Internal)	✓	✓	✓	✓

Designed. Built. Maintained.

ross-eng.com



2.0

Key Features & Benefits

- **Large CO₂ reduction compared to current industry standard offerings on the market.**
 - Recyclable/reusable at end of working life.
 - Reduces carbon emissions by up to 80%.
 - Minimum design life of 30 years.
- **Short Lead Times.**
 - Improvement over competitor lead times by over 60%.
- **High Level of Accuracy.**
 - CNC machinery used to form the structure.
 - Speeds up the production process and reduces fabrication costs.
- **Flexible Designs.**
 - Adaptable building designs.
 - Doors and windows can be designed and installed in any location if required.
 - Single lift solutions with integrated lifting base frames are available on request.
- **Multitude of Finishes.**
 - Both internal and external.
 - Externally clad to meet the customers unique requirements.
 - Chemical resistant and washdown linings available.
- **Option to be fully fitted out prior to delivery to site.**
- **Security Rating Approved .**
 - LPS1175 certification requirements approved.
 - Certified to SR2, SR3, and SR4 security ratings:
 - RSE - LMB - Essential - B3 (SR2)
 - RSE - LMB - Elevated - C5 (SR3)
 - RSE - LMB - Advanced - D10 (SR4)
- **Bespoke also available.**