

LUXALON® GRID CEILING SYSTEMS

Stylish and contemporary, LUXALON® Grid Ceilings create an open, light and spacious appearance. Five different models are available in a range of modular cell sizes and colours for exciting design options.

By creating a visual screen, the grids made of aluminium or zinc/aluminium coated steel assist in controlling the proportions and scale of an interior area without placing restrictions on the actual height and space. Aesthetics and function are brought together in a versatile combination that allows considerable design freedom.



APPLICATIONS

- Functional ceilings – service integration
- Feature ceilings
- Visual modular overhead screen
- Acoustics can be controlled by adding absorbent materials to the rear of the Magnagrid ceiling or within the void space
- Interior
- New developments or existing buildings

MATERIAL

Aluminium
Zinc/Aluminium Coated Steel

COLOURS & FINISHES

A range of standard and customised colours and finishes are available: powder-coat, anodised and those using the HD COLOR-COTE® Coating Process.

DESIGN FLEXIBILITY

LUXALON® Grid Ceilings offer a versatile range of modular cell sizes that can be configured into a variety of patterns in many pre-finished or painted colours, and can be customised to fully integrate with the interior of building architecture.

PRODUCT RANGE

MODULAR SIZES (mm)

Magnagrid	Beam-Grid	Louvre-Grid	Baffle-Grid	Major-Grid
50x50	600x600	300x300	100 centres	300x300
75x75	900x900	450x450	125 centres	450x450
86x86	1000x1000	600x600	150 centres	600x600
100x100	1200x1200	900x900	200 centres	900x900
120x120		1000x1000	250 centres	1000x1000
150x150		1200x1200	300 centres	1200x1200
200x200				

ADVANTAGES

- Versatile cell framing systems provide a range of modular cell sizes.
- Integration of services: lighting, air conditioning, sprinklers, smoke detectors and other services can be easily integrated into and above LUXALON® Grid Ceiling Systems, with the possibility of concealing services from view.
- Accessibility: grid panels can be easily mounted and demounted, allowing full access to above-ceiling services.

ENVIRONMENTAL BENEFITS

- Acoustic control (Magnagrid only): by adding absorbent materials to the rear of the LUXALON® Magnagrid Ceiling or within the void space, acoustics can be controlled.
- Smoke ventilation: open cell ceilings allow smoke to pass into the ceiling void, thereby

improving visibility and increasing the amount of time available to evacuate the building. This is particularly beneficial for new shopping centre developments and other public buildings.

- Aluminium is recyclable and made up of 50% to 90% recycled content.

DURABILITY

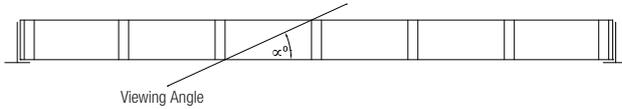
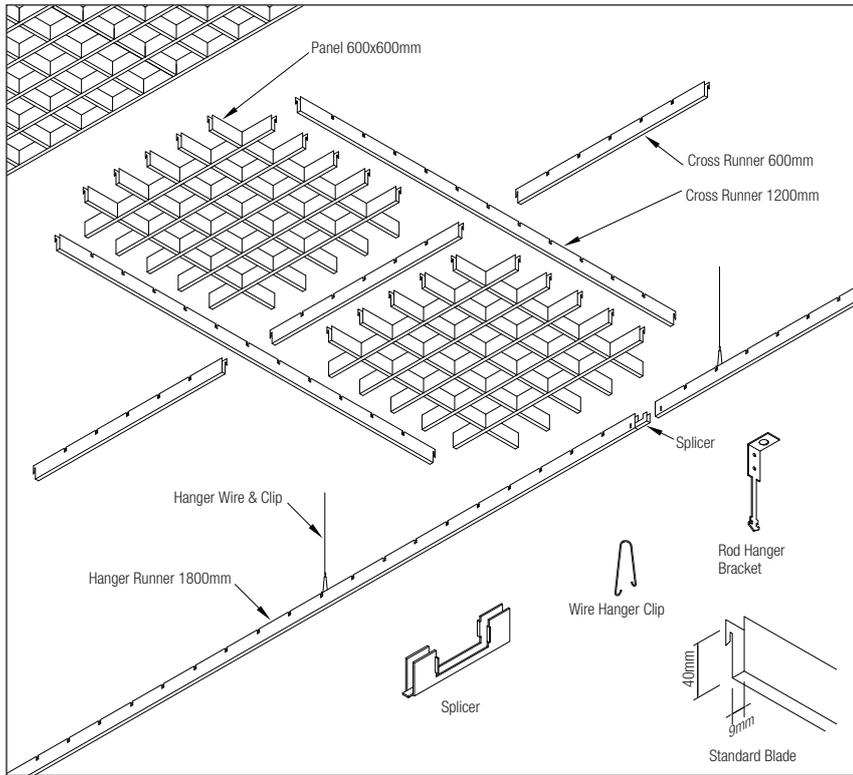
LUXALON® Grid Ceilings are made from pre-coated aluminium and zinc/aluminium coated steel panels using the HD COLOR-COTE® Coating Process, and powder-coat or anodised extruded aluminium profiles, which ensure a long life span, requiring minimal maintenance.

QUALITY

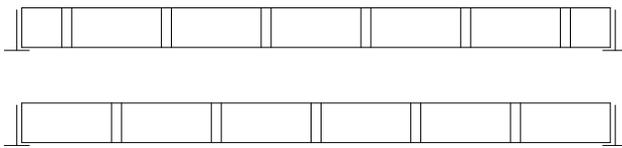
Hunter Douglas Limited is a quality endorsed company, certified as complying with the requirements of AS/NZS ISO 9001.2000.

MAGNAGRID

LUXALON® Magnagrid is a highly versatile open cell ceiling system comprising a series of 'U' shaped interlocking aluminium blades, which are assembled to provide a wide range of modular cell sizes in a variety of interior colours and finishes using the HD COLOR-COTE® Coating Process.

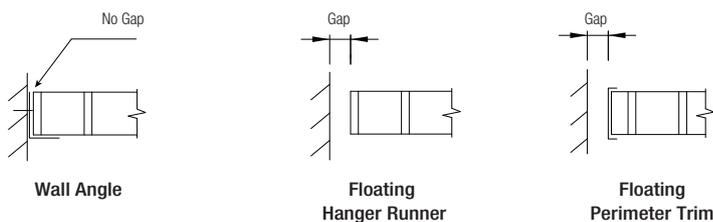


MAGNAGRID PANELS IN A TEE GRID



LUXALON® Magnagrid Panels can be manufactured in various sizes and configurations to fit many Standard Tee Grid Suspension Systems.

PERIMETER DETAILS



A selection of edge details are available to suit individual design requirements where the ceiling meets walls, columns, bulkheads and other ceiling finishes.

DESCRIPTION & DIMENSIONS

MAGNAGRID BEAM TYPE DESCRIPTION	STANDARD LENGTHS OR PANELS (mm)
Hanger Runner	1800
Cross Runner	600 or 1200
Panel Assembly*	600 x 600

* Factory made specials available up to 1200 x 1200mm. Note: panels are supplied assembled. Blades can be supplied unassembled to specific order.

MAGNAGRID CELL MODULE (mm)	VIEWING CUT-OUT ANGLE	% OPEN AREA	APPROX. SYSTEMS WEIGHT kg/m ²
50x50	45°	67	5.50
75x75	32°	77	3.50
86x86	27°	80	3.20
100x100	19°	83	2.80
120x120	18°	85	2.40
150x150	16°	88	1.80
200x200	12°	91	1.50

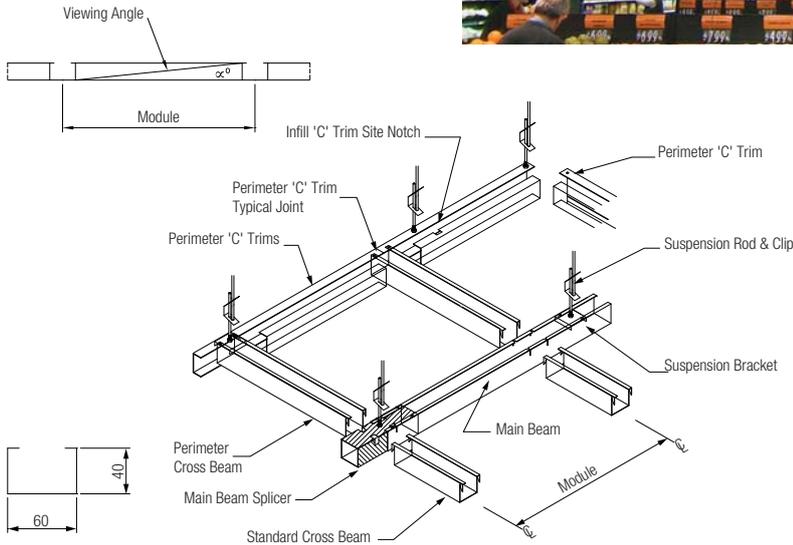
Note: also available – rectangular cell shapes in combinations of the cell sizes.



BEAM-GRID

LUXALON® Beam-Grid delivers the clean look of structural beams with unrestricted access to lighting, ventilation systems and sprinklers. The main and cross beams as well as perimeter trims that make up the system are available in aluminium and zinc/aluminium coated steel in a variety of interior colours and finishes using the HD COLOR-COTE® Coating Process.

BEAM-GRID & PERIMETER DETAILS



Isometric View - Typical System



Note: LUXALON® Beam-Grid, Louvre-Grid and Major-Grid Ceilings are customised products and require full design information prior to quotation.

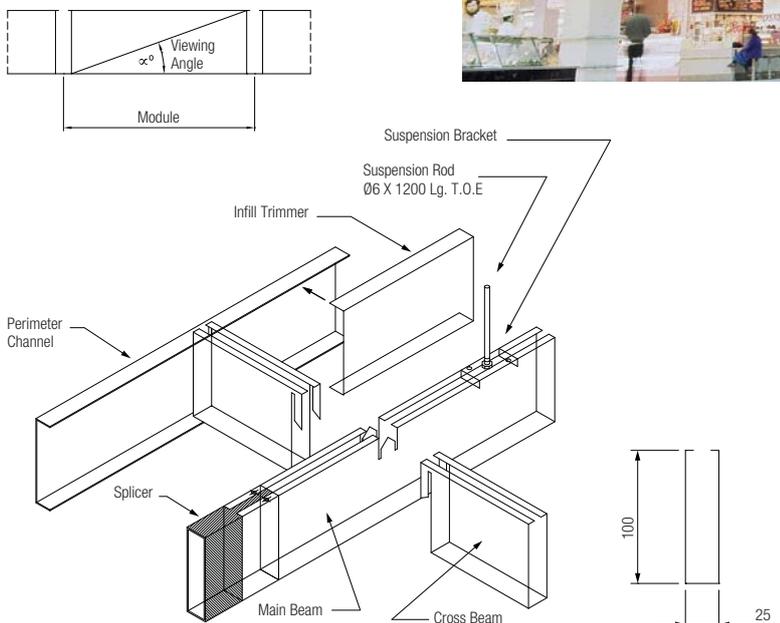
DESCRIPTION & DIMENSIONS

BEAM-GRID CELL MODULE (mm)	VIEWING CUT-OUT ANGLE	% OPEN AREA	APPROX. SYSTEMS WEIGHT kg/m ²
600x600	4.0°	90	2.40
900x900	3.0°	93	1.60
1000x1000	2.5°	94	0.80
1200x1200	2.0°	95	0.20

LOUVRE-GRID

To satisfy particular design concepts, the LUXALON® Louvre-Grid Ceiling System provides a range of modular cell sizes and patterns using slim-line aluminium main and cross beams in a variety of interior colours and finishes using the HD COLOR-COTE® Coating Process.

LOUVRE-GRID & PERIMETER DETAILS



LOUVRE-GRID BEAM TYPE DESCRIPTION	STANDARD LENGTHS OR MODULES (mm)*
Main Runner	2400 or 3600
Cross Runner	300, 450, 600, 900, 1000, 1200

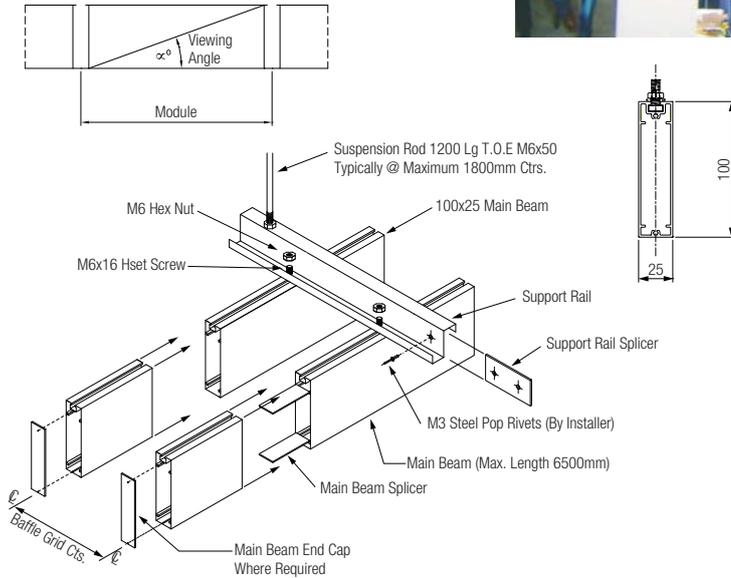
* Custom sizes are available upon request

LOUVRE-GRID CELL MODULE (mm)	VIEWING CUT-OUT ANGLE	% OPEN AREA	APPROX. SYSTEMS WEIGHT kg/m ²
300x300	20°	84.0	12.00
450x450	13°	89.0	7.50
600x600	10°	92.0	6.00
900x900	6°	97.0	2.30
1000x1000	5°	97.5	2.10
1200x1200	4°	98.0	1.80

BAFFLE-GRID

LUXALON® Baffle-Grid Ceiling System provides an effective one-directional visual screen in a range of modular sizes and patterns to suit a variety of design concepts. Made up of slim-line extruded aluminium beams and sections, the system comes in a variety of powder-coat and anodised colours and finishes.

BAFFLE-GRID & PERIMETER DETAILS



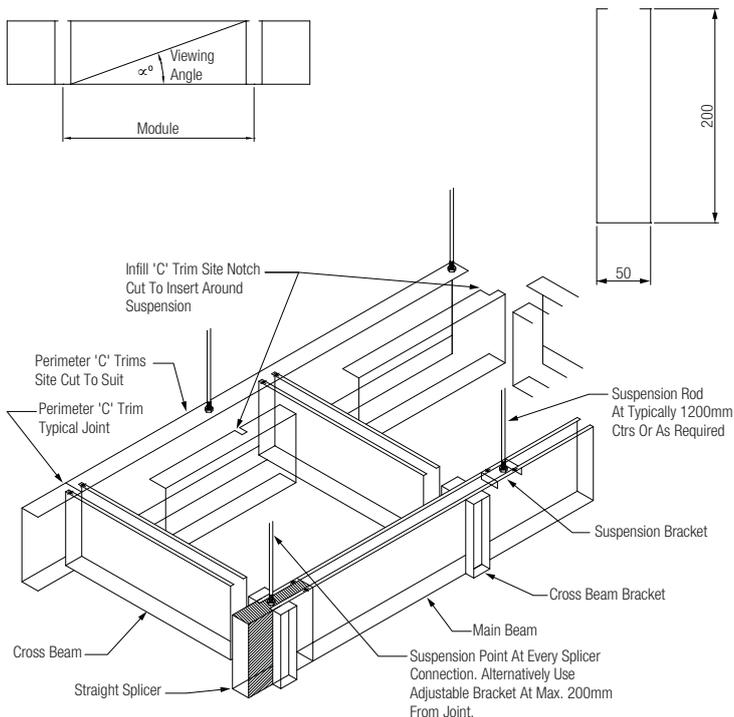
DESCRIPTION & DIMENSIONS

BAFFLE-GRID MODULE WIDTH (mm)	VIEWING CUT-OUT ANGLE	% OPEN AREA	APPROX. SYSTEMS WEIGHT kg/m ²
100 centres	53°	75	11.00
125 centres	45°	80	9.00
150 centres	39°	84	7.50
200 centres	30°	88	6.00
250 centres	24°	90	5.00
300 centres	20°	92	4.50

MAJOR-GRID

LUXALON® Major-Grid is a highly versatile open cell ceiling system that is made up of slim-line zinc/aluminium coated steel main and cross beams, available in a variety of interior colours and finishes using the HD COLOR-COTE® Coating Process.

MAJOR-GRID & PERIMETER DETAILS



MAJOR-GRID BEAM TYPE DESCRIPTION	STANDARD LENGTHS OR PANELS (mm)*
Main Beams	2400, 3000, 3600
Cross Beams	300, 450, 600, 900, 1000, 1200

* Custom sizes are available upon request

MAJOR-GRID MODULE WIDTH (mm)	VIEWING CUT-OUT ANGLE	% OPEN AREA	APPROX. SYSTEMS WEIGHT kg/m ²
300x300	39°	83	15.00
450x450	26°	88	10.00
600x600	20°	92	8.00
900x900	13°	94	5.00
1000x1000	12°	95	4.50
1200x1200	10°	96	4.00



INSTALLATION

LUXALON® Grid Ceiling Systems; Magnagrid, Beam-Grid, Louvre-Grid, Baffle-Grid, Major-Grid, provide the user with options of varying modular cell and width sizes in various configurations and colours to suit any interior space.



MAGNAGRID

■ Selecting Suspension Configurations:

Layout 1 Hanger runners should be set-out at 600mm centres when using cell sizes:

- 50 x 50mm
- 75 x 75mm

And all other cell sizes where the total weight of the ceiling, any accessories and/or services (eg. overlays, integrated lights) exceed 3kg/m², and/or where frequent access to the ceiling void is required.

Layout 2 Hanger runners may be set out at 1200mm centres when using cell sizes:

- 86 x 86mm
- 100 x 100mm
- 120 x 120mm
- 150 x 150mm
- 200 x 200mm

This must be used where the total weight of the ceiling and accessories is less than 3kg/m².

- **Calculating Quantities of Components:** when calculating quantities, ensure sufficient quantity of components for cutting and wastage.
- **Edge Details:** various treatments can be used at the perimeter of the LUXALON® Magnagrid Ceiling System depending upon the installation requirement. Cover angles and trims should be colour matched to the

ceiling and ordered as accessories with the ceiling components.

Floating perimeter trim will require mechanical fixing to the ceiling, to prevent accidental dislodgement. For a good visual appearance, a minimum 'float' distance of 25mm is recommended.

■ Installing and Removing the Panels:

LUXALON® Magnagrid Panels are designed to 'lay-in' the suspension grid, supported by a tab on the end of each 'blade.' Best visual results are obtained if panels are all oriented in the same direction, relating to the A & B blades of the panels.

- **Site Cutting Panels:** singular blades of panel or suspension grid may be cut using good quality metal snips. Alternatively, whole panels are easily shaped on a small high speed 'band saw' using a fine-toothed blade. The finish on the material should be protected during all cutting operations.

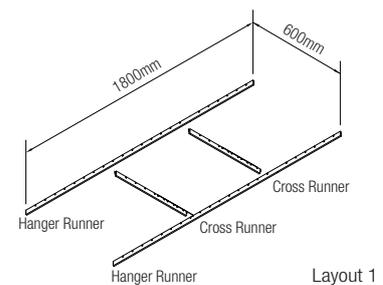
- **Special Size Panels:** can be made to limit wastage and be cost effective in some cases. This is dependent upon the project requirements that are to be discussed with our Commercial Consultants. By utilising some of the cut panel blades, they can be re-made to make other panels and reassembled on site.

- **Integrating Lighting and Services:** Light fixture plates / purpose made adaptor plates to provide services integration i.e adapting downlights and other small fittings

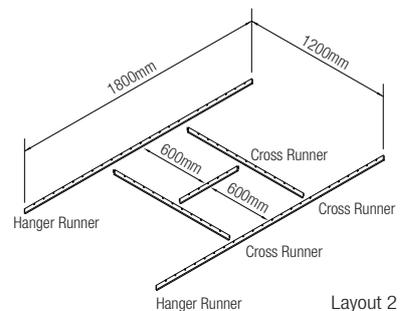
are available.

- **Acoustic Blankets and Overlays:** acoustic blankets and pads with black facing should be installed so that joins are hidden behind the blades of panels or suspension grid. Adequate clearance around lights must be made in blankets and overlays to prevent the risk of overheating or fire.
- **Note:** for the installation of all other LUXALON® Grid Ceiling Systems, please refer to our Commercial Consultants and Technical Team as the requirements are project specific.

MAGNAGRID SUSPENSION LAYOUT

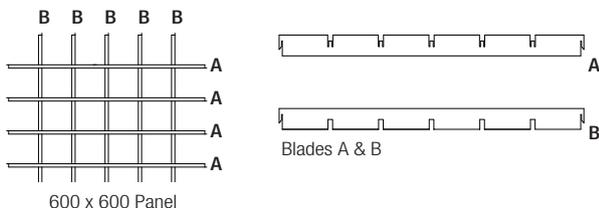


Layout 1



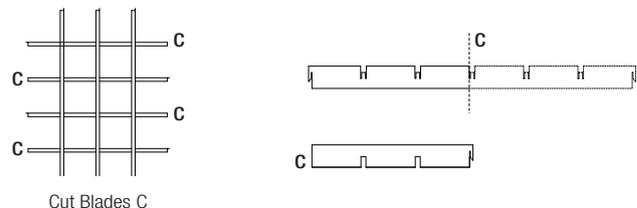
Layout 2

INSTALLING AND REMOVING THE MAGNAGRID PANELS



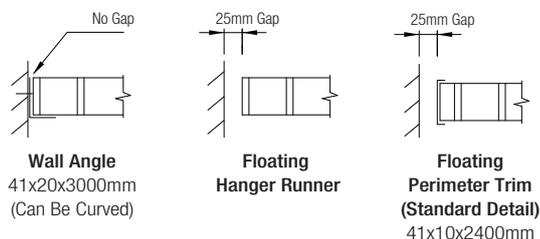
600 x 600 Panel

SPECIAL SIZE MAGNAGRID PANELS



Cut Blades C

MAGNAGRID PERIMETER DETAILS

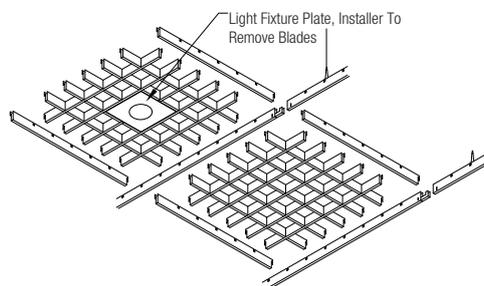


Wall Angle
41x20x3000mm
(Can Be Curved)

Floating Hanger Runner

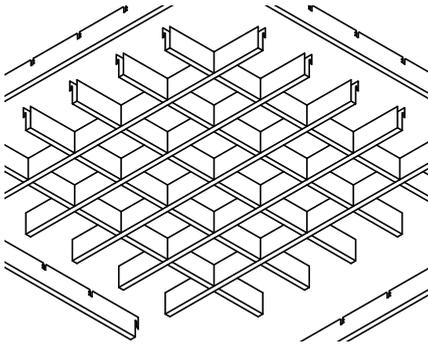
Floating Perimeter Trim (Standard Detail)
41x10x2400mm

LIGHT FIXTURE DETAIL



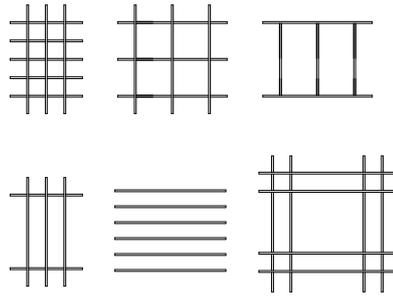
Light Fixture Plate, Installer To Remove Blades

MAGNAGRID



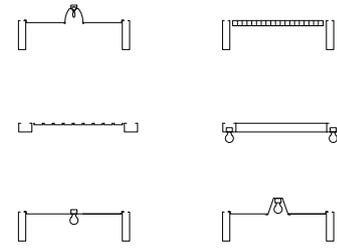
BEAM-GRID, LOUVRE-GRID, BAFFLE-GRID, MAJOR-GRID

LAYOUTS



Grid modules and layouts can be designed to suit individual requirements.

ACCESSORIES



Infill plates can be manufactured with apertures to receive lighting, air conditioning grills, sprinklers and smoke detectors. Many LUXALON® Ceilings can also be integrated within the Grids.

**SHORT FORM SPECIFICATION
LUXALON® MAGNAGRID**

.....m² LUXALON® Aluminium Magnagrid Open Cell Ceiling System, supplied by Hunter Douglas Commercial, consisting of 0.5mm thick aluminium pre-coated die formed interlocking blades, with a cross-sectional size of 9mm wide x 40mm deep and assembled into panels with a modular size of 600 x 600mm and a square cell of 50mm / 75mm / 86mm / 100mm / 120mm / 150mm / 200mm, colour according to the Hunter Douglas Commercial Interior Colour Chart.

Suspension shall consist of 1800mm long Main Runners at 600mm / 1200mm centres linked by 600mm / 1200mm long Cross Runner at 600mm centres.

For T-Grid Suspension System – suspension shall be a proprietary roll-formed or extruded T-Grid System with a face dimension of 25mm and installed to the manufacturer’s recommendations to provide a modular grid of 600 x 600mm.

Perimeter shall be finished with a wall angle or perimeter trim as required.

Option: Acoustic padsmm thick, densitykg/m³, black one side, laid on top of the panels between the panel carriers.

Supply and install according to the fixing instructions of Hunter Douglas Commercial, a division of Hunter Douglas Limited.

LUXALON® BEAM-GRID

.....m² LUXALON® Aluminium / Zinc/Aluminium Coated Steel Beam-Grid Ceiling System, supplied by Hunter Douglas Commercial, consisting of main beams and cross beams made of 0.6mm thick aluminium / 0.6mm thick zinc/aluminium coated steel, 60mm wide

x 40mm high, colour according to the Hunter Douglas Commercial Interior Colour Chart.

The system uses a hook and slot method of attachment. Main beams shall be supported at 1200mm centres by means of hanger brackets and 5mm diameter hanger rods. Modular sizes of 600mm / 900mm / 1000mm / 1200mm to be achieved by using a combination of cross channels. Additional hangers to be used around points where accessories are loaded onto the ceiling system. Perimeter trim as required.

Supply and install according to the fixing instructions of Hunter Douglas Commercial, a division of Hunter Douglas Limited.

LUXALON® LOUVRE-GRID

.....m² LUXALON® Aluminium Louvre-Grid Ceiling System, supplied by Hunter Douglas Commercial, consisting of main beams and cross beams made of 0.6mm thick aluminium, 25mm wide x 100mm deep, colour according to the Hunter Douglas Commercial Interior Colour Chart.

The system uses cross beam brackets for attachment. Main beams shall be supported at 1200mm centres by means of hanger brackets and 5mm diameter hanger rods. Modular sizes of 300mm / 450mm / 600mm / 900mm / 1000mm / 1200mm to be achieved by using a combination of cross channels. Additional hangers to be used around points where accessories are loaded onto the ceiling system. Perimeter trim as required.

Supply and install according to the fixing instructions of Hunter Douglas Commercial, a division of Hunter Douglas Limited.

LUXALON® BAFFLE-GRID

.....m² LUXALON® Aluminium Baffle-Grid Ceiling System, supplied by Hunter Douglas Commercial, consisting of beams and sections made of 1.6mm thick

aluminium extrusion, 25mm wide x 100mm deep, in selected powder-coat / anodised finish, colour

The system consists of beam sections in one direction at 100mm / 125mm / 150mm / 200mm / 250mm / 300mm centres supported by a Z-section primary grid at 1800mm centres with hanger brackets and 5mm diameter threaded rods at 1200mm centres. Additional hangers to be used around points where accessories are loaded onto the ceiling system. End caps to be provided / not to be provided.

Supply and install according to the fixing instructions of Hunter Douglas Commercial, a division of Hunter Douglas Limited.

LUXALON® MAJOR-GRID

.....m² LUXALON® Zinc/Aluminium Coated Steel Major-Grid Ceiling System, supplied by Hunter Douglas Commercial, consisting of main beams and cross beams made of 0.6mm thick zinc/aluminium coated steel, 50mm wide x 200mm deep, colour according to the Hunter Douglas Commercial Interior Colour Chart.

Main beams shall be supported at 1200mm centres by means of hanger brackets and 5mm diameter hanger rods. Modular sizes of 300mm / 450mm / 600mm / 900mm / 1000mm / 1200mm to be achieved by using a combination of cross beams, which are mechanically fixed to brackets on the main beams. Additional hangers to be used around points where accessories are loaded onto the ceiling system. Perimeter trim as required.

Supply and install according to the fixing instructions of Hunter Douglas Commercial, a division of Hunter Douglas Limited.

Technical data is subject to change without notice. Refer to our Technical and Customer Support Team for further assistance.