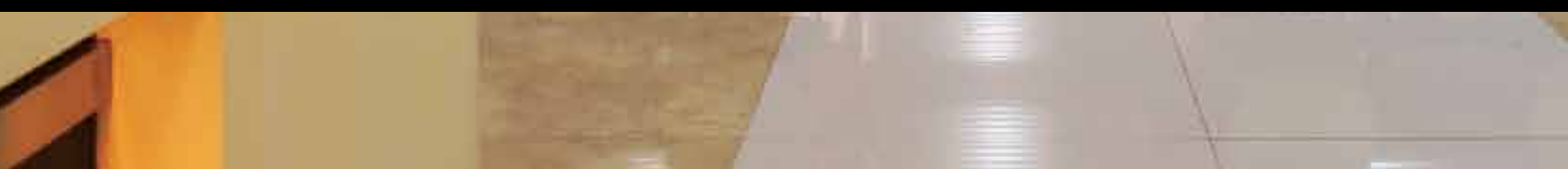
LUXALON



Grid Ceilings

HunterDouglas

CEILINGS





Innovative Products Make Innovative Projects

Headquartered in Rotterdam of the Netherlands, Hunter Douglas is a publicly traded holding company worldwide. The origin of Hunter Douglas Group goes back to 1919, in Düsseldorf, Germany. The Group mainly engages in the manufacture, marketing, and service of architectural products and window covering products, as well as the metal fabrication, precise machinery production, futures exchange of metals, and more. In the past 90 years, Hunter Douglas, as a market leader in the industry, has been fortunate enough to help turn countless innovative sketches into innovative buildings. Architects, designers, investors, and contractors from around the world have taken advantage of Hunter Douglas' unmatched product development, service, and support. We have contributed to thousands of high-profile projects, from retail and commercial facilities to major transit centres and government buildings. Not only are the world's architects and designers our partners, they are our inspiration. As they continue to raise the bar for excellence, we're creating products to bring their visions to life.

Project on Front Cover: Yurun Group office building in Nanjing, China



Project: Wuhan Railway Station in China
Designed by: China Railway Fourth Survey and Design Institute

DESIGN, FUNCTIONALITY & COMFORT

Hunter Douglas ceilings add good design, functionality and comfort to buildings. We have been the leader in the industry over past decades due to our high-quality reliable products, continual innovations and excellent record of customer service.

DESIGN

Hunter Douglas' range of ceiling solutions allows architects to explore designs with a variety of materials including metal, textiles and wood. Our wide range of systems, colours and finishes offers true freedom of design and one-stop service.

FUNCTIONALITY

We develop our ceiling products as system-integrated combinations of panels and substructures. Architects can evaluate all aspects of the ceiling, from the visible surfaces to the construction and decide what will work best for them. Then our systems are customized to fit their needs. We are committed to quality. We have extensive expertise and a long history of success at every stage of the manufacturing process – from processing raw materials, to manufacturing and finishing panels, to installation and maintenance of ceilings throughout their lifespan. Durable, high-quality ceilings from Hunter Douglas lower the lifecycle costs of a building.

COMFORT

Every part of a building works together to create a comfortable, healthy, and productive environment for those inside. Hunter Douglas ceiling products help architects control noise, improve interior air quality, and even manage light and heat.

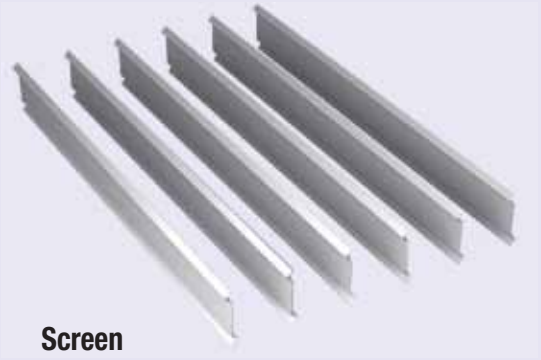


Hunter Douglas products are certified environmentally-friendly and flame-retardant and were awarded the seal of quality by China Building Materials Testing Centre (CBMTC) and National Centre for Quality Supervision and Test of Fire Building Materials (NFTC).

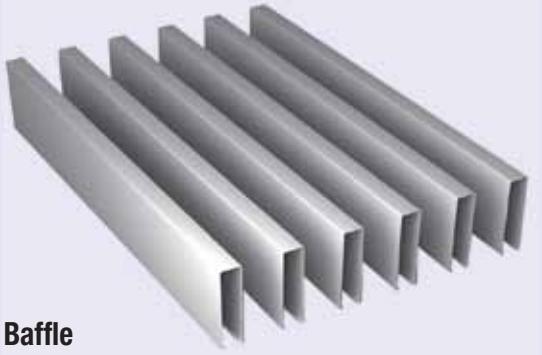
Types of Grid Ceilings



Cell



Screen



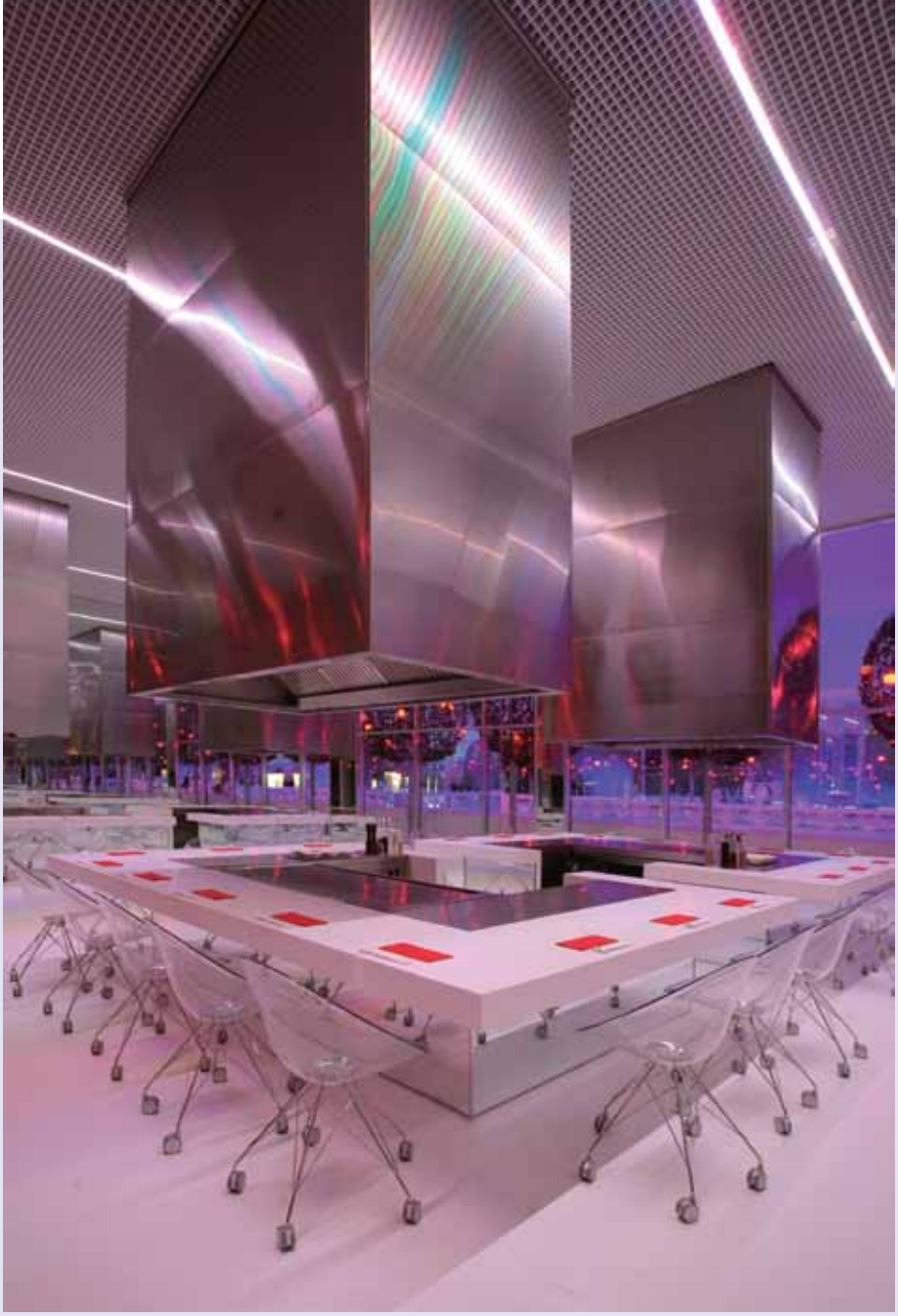
Baffle



Tube

Material Specifications and Parameters

Item	Specifications and Parameters
Substrate	High-grade pre-coil coated aluminum alloy
Processing Process	Continuous rollform or pressed / molding
Material Thickness	0.5mm-1.0mm
Surface Coating	Polyester baked enameled finish (Others available upon request)
Colours	A wide range of colours in accordance to Hunter Douglas standard range.
FR Rating	Class A2 of GB8624-2006



Project: Adam & Eve Hotel in Turkey
Designed by: Eren Talu

Luxalon® grid ceilings are also known as “open ceilings”. They include types such as cell, screen, baffle and tube. The different types have big differences in forms, and their styles also differ vastly. The open and transparent structures of grid ceilings make them suitable to be used in places of concentrated crowds where the ventilation requirements are high. They are installed extensively in subways, railways, shopping malls and other industries. When used in combination with wide panel and rectangular panel products, they can also produce unique effects.

Key Features

- With more than 10 kinds of products from four major categories, designers are provided with even more choices.
- High-grade coil coated aluminum alloy material has been used. The colors are rich and the material is durable.
- Rollformed or pressed molding technologies have been utilized to create products of high precision and stable forms.
- Panels of different heights and widths can give ceilings a layered feel.
- Panels can be perforated to absorb sounds. This perforation treatment gives them good sound absorption capability.
- There are many installation systems to choose from, and various forms such as flat, curved and radial can be achieved.
- Grid ceilings are easily integrated with facilities such as lighting, air ducts, air conditioning and sprinklers. They provide convenience for the maintenance of facilities installed above.


KAP

Cell

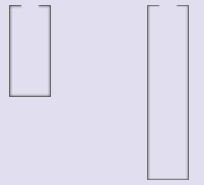
Luxalon® cell ceiling is a classic system among grid ceilings. They have a transparent, lightweight and straightforward style, and they are the ceiling solution that is very widely used in many projects.

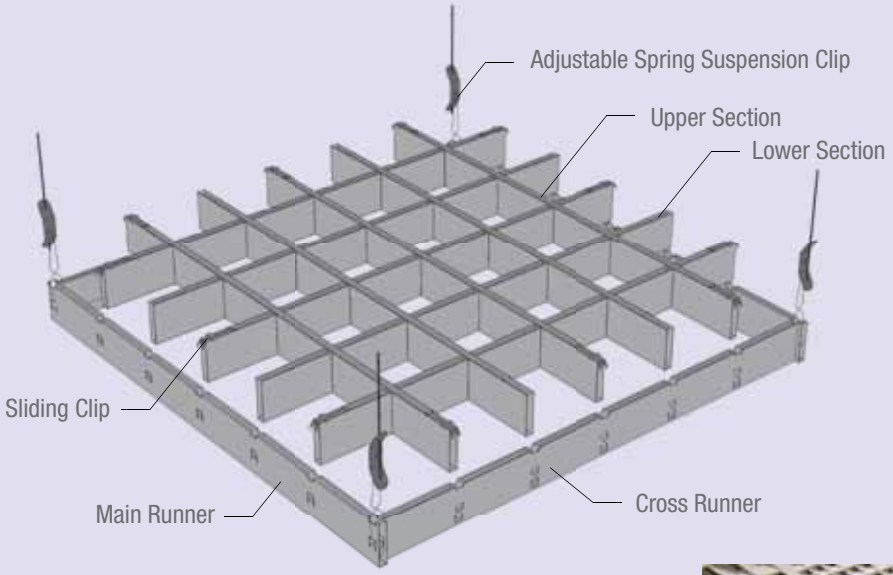
- Two heights of 50mm and 22mm are available for the cell panel. They can be used in combination to create a scattered effect of varying heights.
- Many installation module sizes are available, including 50×50, 75×75, 100×100, 120×120, 150×150 and 200×200.
- The top of the spline has an inward fold. This makes the product straight, more rigid and less prone to deformation.
- By means of Hunter Douglas' patented sliding clip, every unit module can slide up from below or slide down from above. Assembling and disassembling thus become very easy.

Product Specifications

Unit: mm

Model	Material Thickness	Panel Width	Panel Height
Cell50 (Standard Cell)	0.4 / 0.5	10	50
Cell22 (Mini Cell)	0.5	10	22





Project: Cafeteria of the Hunter Douglas Group headquarters in the Netherlands



Project: Wenzhou Yongqiang Airport in China
Designed by: Zhejiang Provincial Institute of Architectural Design and Research

Screen

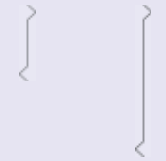
Luxalon® Screen ceiling is a ceiling system which panels are vertically installed. Among its features, the Luxalon® V-type screen ceilings have a simple structure, clear-cut lines and distinct layers.

- Two heights of 100mm and 200mm are available for the screen panel.
- Different colours can be coated on the two sides of the panel to achieve the effect of different colours for the two directions.
- The V-shaped corners at the edges make the mounted panels more stable. They also give the panels a fuller look.
- Three standard installation module sizes of 100mm, 150mm and 200mm are available for selection.
- By means of custom-made rotatable hinge clips and through making changes to the carrier T-grid, curved, sloping and radial effects can be achieved.

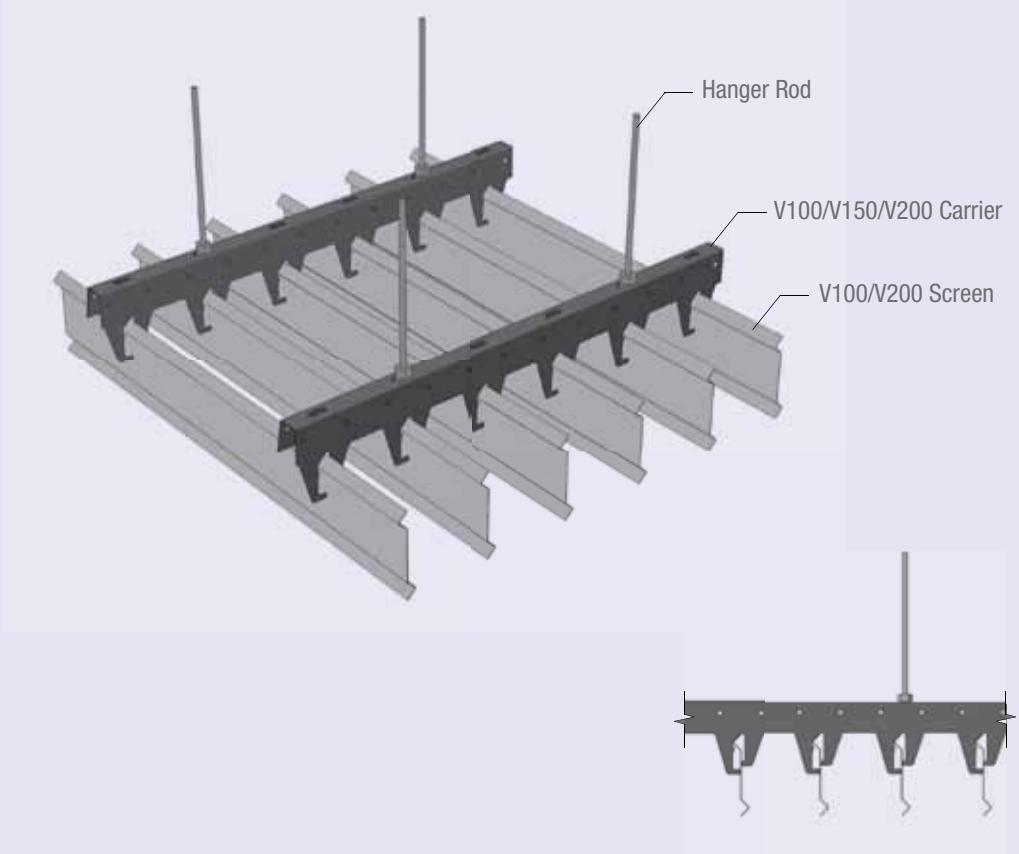
Product Specifications

Unit: mm

Model	Material Thickness	Panel Width	Standard Length
V100	0.6	100	1000-6000
V200	0.6	200	1000-6000



V100 V200





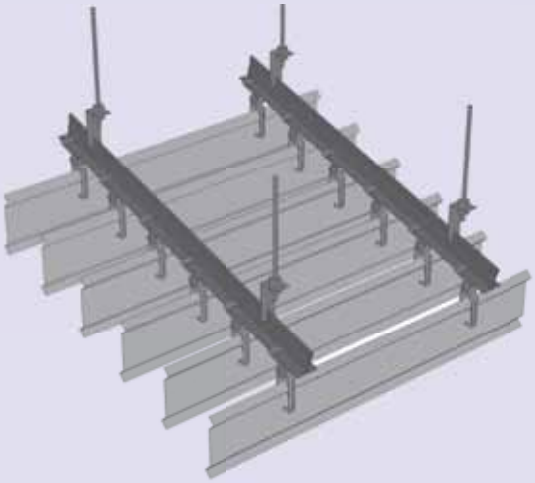


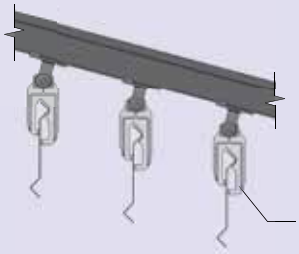
Top Picture: Xi'an City Gate in China
Designed by: Suzhou Gold Mantis Construction Decoration Co., Ltd.

Bottom Picture: Boxing Road Station along Shanghai Metro Line 6 in China
Designed by: Shanghai Tunnel Engineering and Rail Transit Design and Research Institute



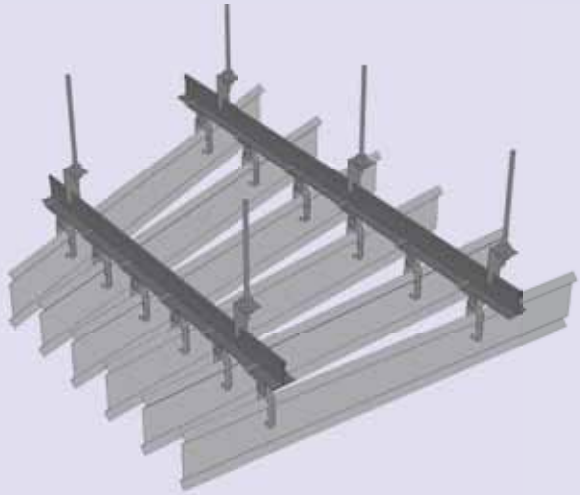
Sloping



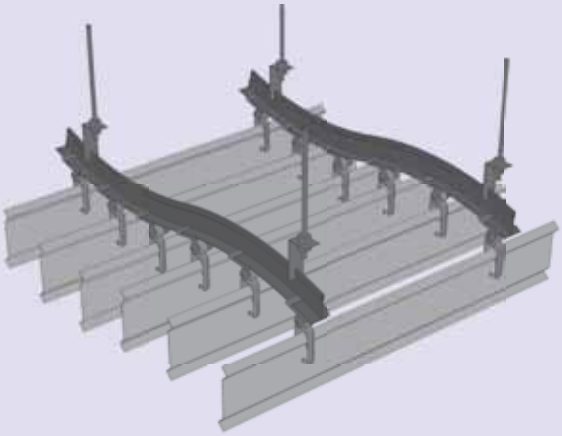




Radial



Curved



Project: Xi'an Museum in China
Designed by: Northwestern Architectural Design Institute of China



Baffle

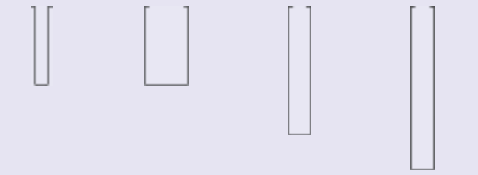
Luxalon® Baffle ceiling is a ceiling system that evolved from screen ceiling. Unlike screen ceiling, both the height and width can be changed for baffle ceiling. The visual effect of the upper space can be flexibly adjusted and this allows the ceiling to appear even more three-dimensional and impressive.

- Many die-formed products of standard specifications are available.
- Many specifications are available for the pressed panel of width 15mm-50mm and height less than 250mm.
- Many specifications are available for the rolled panel of width 25mm-70mm and height 50-120mm.
- Many panel forms are available such as U-shaped and the custom-made round-shaped and others.
- Various installation systems such as 30/50 U-shaped T-grid, MT-B T-grid and base angle steel T-grid can be used.

Product Specifications

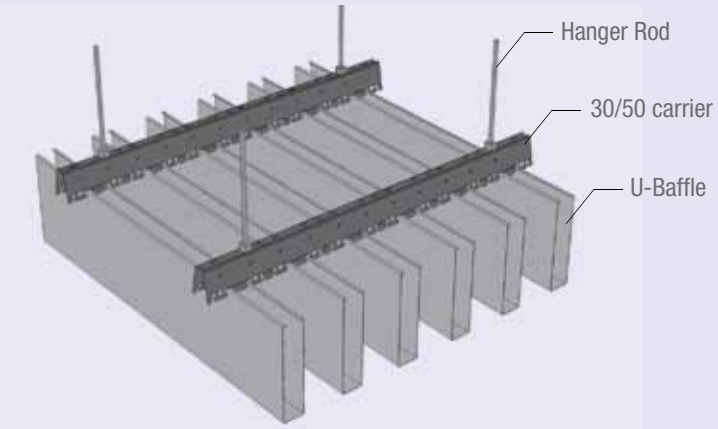
Unit: mm

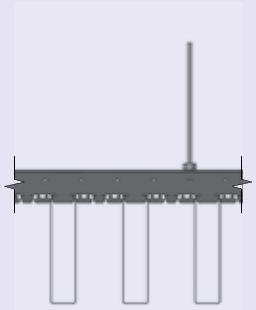
Model	Material Thickness	Panel Width	Panel Height	Standard Length
U15 x 90	0.7	15	90	1000-4000
U50 x 90	0.7	50	90	1000-6000
U25 x 150	1.0	25	150	1000-4000
U30 x 200	1.0	30	200	1000-4000



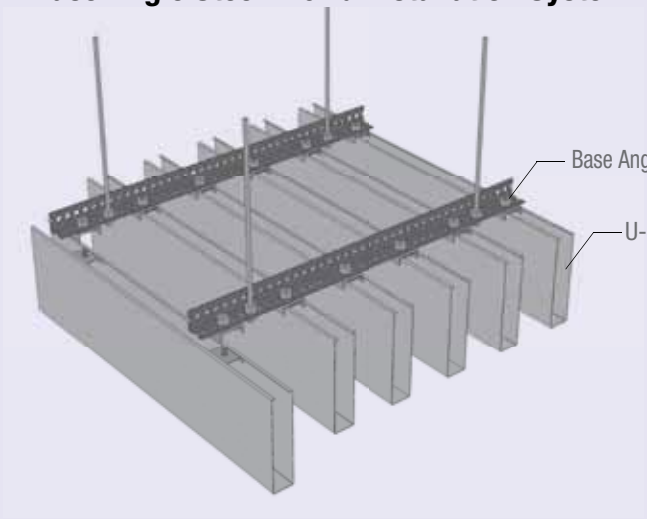
U15 x 90 U50 x 90 U25 x 150 U30 x 200

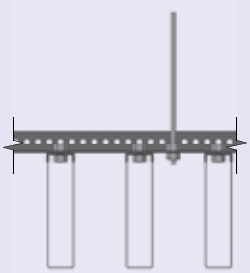
30/50 U-Shaped T-Grid Installation System





Base Angle Steel T-Grid Installation System





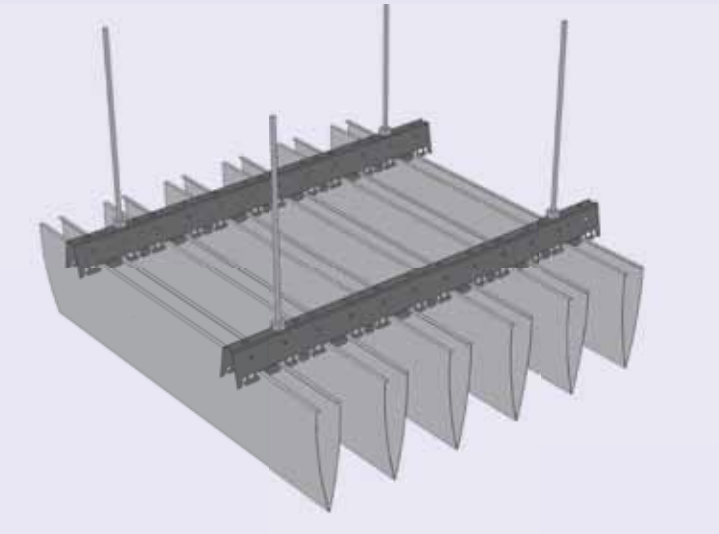


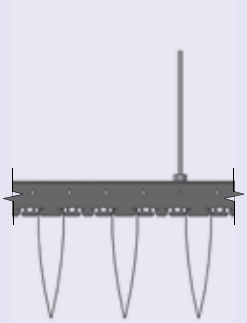
Project: Guangzhou R & F Center Building in China
Designed by: Aedas Hong Kong

Project: Shanghai Metro Line 1 in China
Designed by: Architectural Design and Research Institute of Tongji University



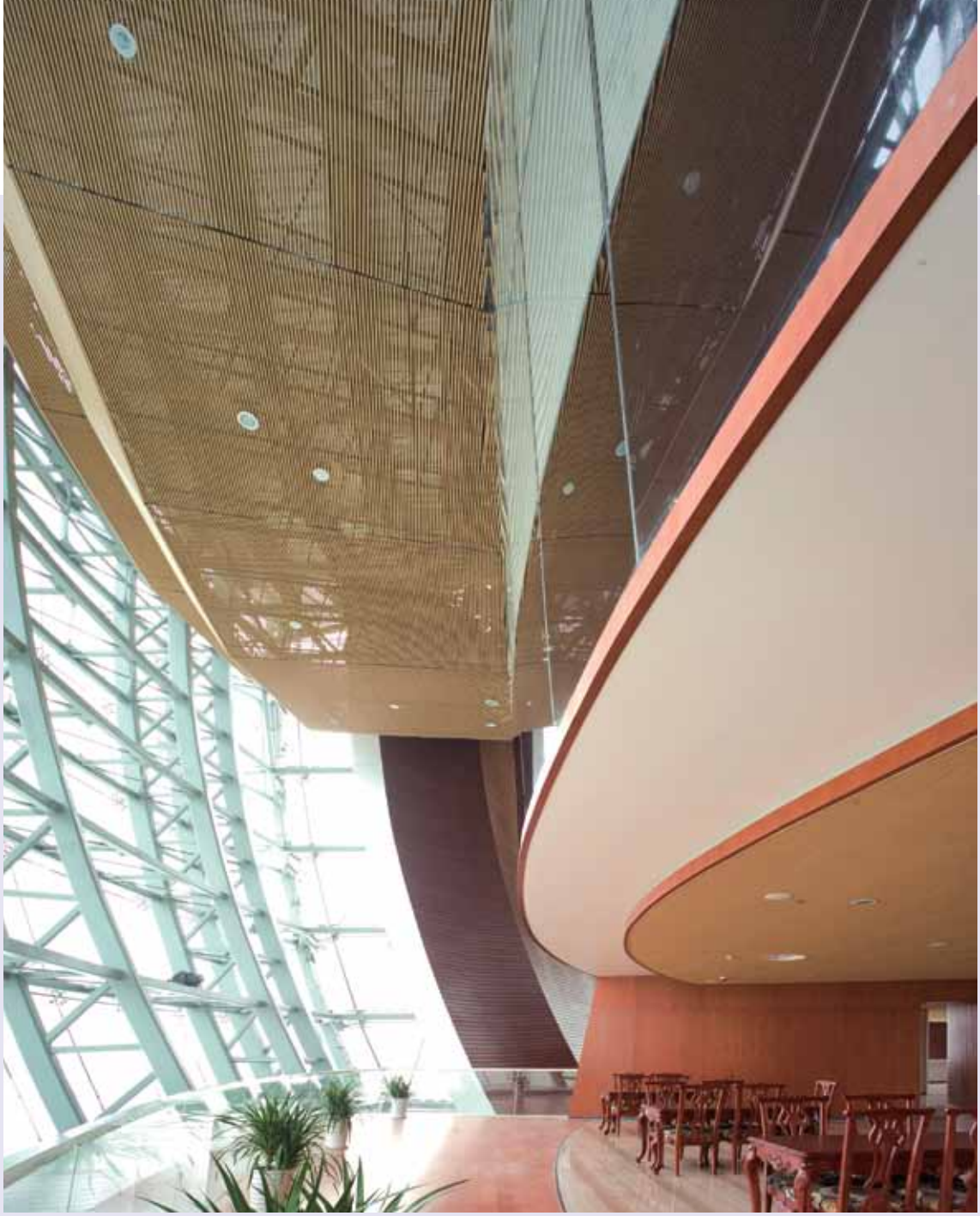
V-Shape Baffle





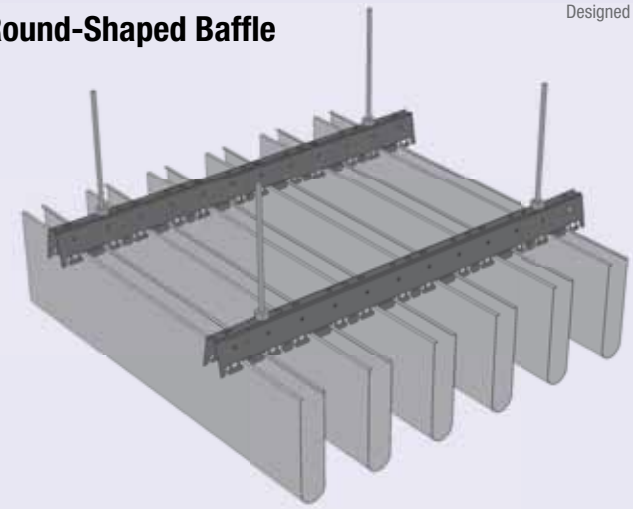
Project: National Wetland Museum of China in Hangzhou
Designed by: Arata Isozaki

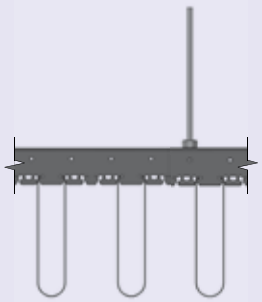




Project: Xuzhou Concert Hall in China
Designed by: Architectural Design and Research Institute of Tsinghua University

Round-Shaped Baffle





TUBE (PIPE)

Tube

Luxalon® Tube ceilings are roll-formed from coil coated aluminum alloy material. The panels are light and there are many installation systems to choose from. The appearance effect of these tube ceilings is unique, and they are a novel style among grid ceiling products.

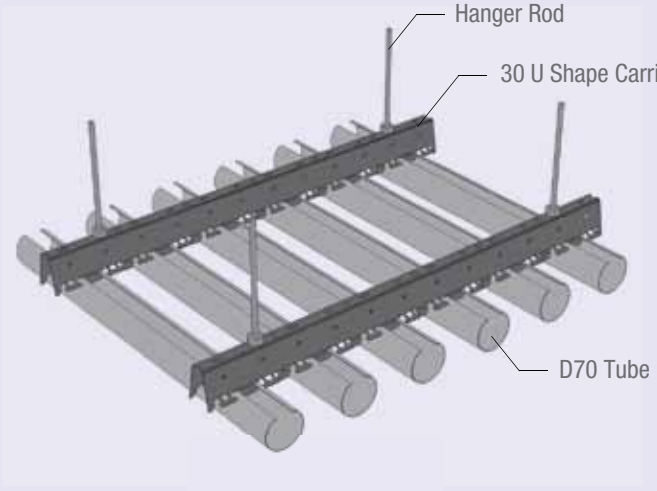
- Two standard specifications of diameters 70mm and 90mm are available.
- The panels can be perforated and this perforation treatment allows the ceiling system to have good sound absorption effect.
- Various installation systems can be used, such as 30/50 U-shaped T-grid or other custom-made T-grids.

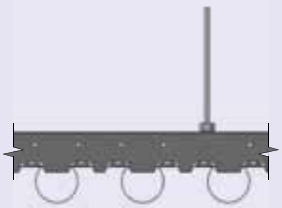
Product Specifications

Unit: mm

Model	Material Thickness	Panel Width	Panel Height	Standard Length
D70	0.6	70	60	1000-4000
D90	0.6	90	80	1000-4000







Project: Shanghai Metro Line 10 in China
Designed by: Shenzhen LEAD Co., Ltd.





Project: Headquarter building of Chongqing Zongshen Group in China
Designed by: Shanghai Jieke Design Consulting Co., Ltd.

Project: China Pavilion at Shanghai World Expo 2010
Designed by: Design team for China Pavilion



Project: CISDI Building in Chongqing, China
Designed by: Atkins (United Kingdom) and Shanghai Loe Design Ltd.





Manufacturing Processes

Alloy Technology
The high-grade AA5050 aluminum-magnesium alloy approved by the International Aluminum Institute is used as the main raw material for Luxalon® metal ceilings. The physical and chemical indexes of this material, such as tensile strength, stiffness, hardness, ductility and corrosion resistance, are optimum. It is thus the ideal material for manufacturing of metal ceilings.

Coating Technology
Baked enamel paint coating which satisfies high environmental standards is used for the panel surface of Luxalon® metal ceilings. The Luxacote coating process originally developed by Hunter Douglas is also used and the paint mixing process is strictly computer-controlled. The colour of the coating is uniform and any colour difference is mininal. The colour saturation is good and the adhesion is strong. The abrasion resistance is strong and the quality is stable.

Forming Technology
Precision machinery is used as the basis of production for Luxalon® metal ceilings. The roll forming process is used for both the panels and carrier. The precision rollforming of the finished products is very high and the surface is even. Creating a stable and strong system.

For more details

- Please contact any of Hunter Douglas' business unit or authorized agent worldwide
- Please browse our website at www.hunterdouglas.asia for Hunter Douglas architectural products

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