CEILING
LIGHTING
**AMBIENCE**

# PROJECTS

CEILING

LIGHTING

CEILING - LIGHTING INTEGRATION

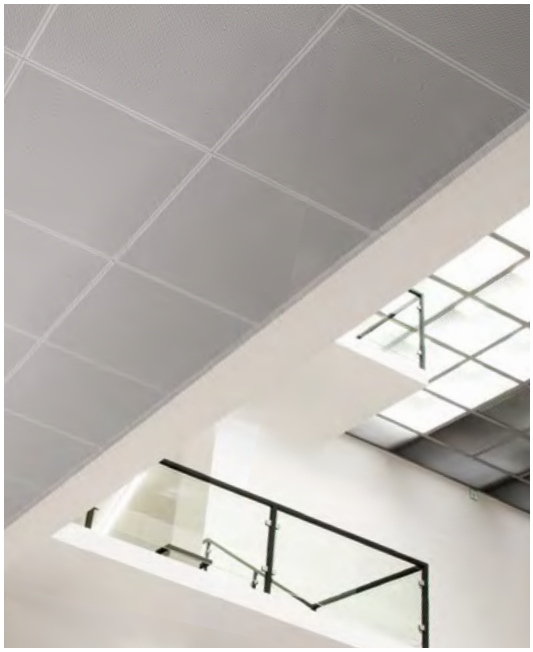
DAYLIGHT

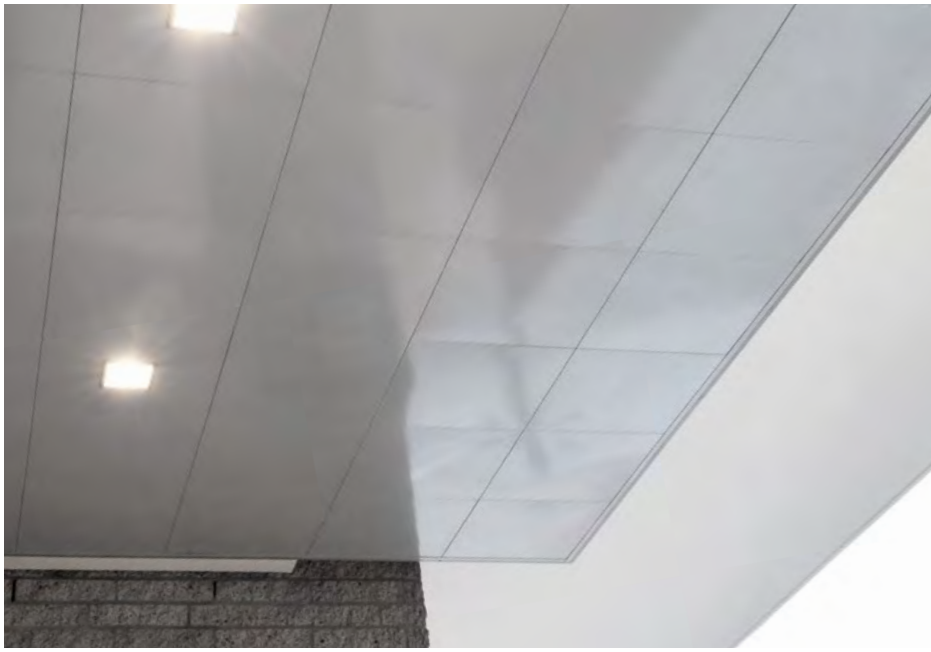
WALL

Photo: Martijn van den Dobbelsteen

# VAN GOGH MUSEUM, AMSTERDAM

Netherlands





**Product: Metal ceiling / System S4A**

- Flexible design options
- High NRC rating possible
- Available non-perforated or perforated with black acoustic fleece. RG-L15 perforation [NRC = approx. 0.70] and RG-L08 "Pico Point" Microperforation [NRC = approx. 0.60] as standard

The renovation of the renowned Dutch Van Gogh Museum was successfully completed in 2013. Rectangular metal panels made of 0.6 mm thick steel were used in the exhibition rooms of the museum. To keep the noise level as low as possible, all panels in the exhibition rooms were perforated with a thin acoustic fleece adhered to the back. The outdoor area of the entrance needed a metal ceiling with a joint as narrow as possible – making it an ideal application for durlum's S4 ceiling system. The non-perforated panels of the hook-on system consist of 1 mm thick powder-coated aluminum.
The ceiling panels are locked in position with a wind protection clip, that is attached from above to hold the narrowest joint.

Photo: Eric Laignel

# MOËT HENNESSY, NEW YORK

United States of America

**Product: Metal ceiling / System S7**

- Can be dismantled easily and without the need for tools
- Suitable for outdoor applications [S7 TAIFUN]
- The integration of partitions is possible
- Available non-perforated or perforated with black acoustic fleece. RG-L15 perforation [NRC = approx. 0.70] and RG-L08 "Pico Point" Microperforation [NRC = approx. 0.60] as standard

Exquisite exclusivity: Moët Hennessy, a leading provider of luxury wines and spirits, moved into its new offices in the famous 7 World Trade Center. The metal ceilings supplied by durlum complement this business venue perfectly. Printed with dur-GRAPHICS in an upscale walnut texture, the rectangular metal panels imbue the elevator lobby with a welcoming and at the same time extravagant atmosphere. In the adjacent reception and bar area, the printed elements merge with ceiling panels powder-coated in khaki bronze. This creates a harmonious ceiling pattern that skilfully highlights the different areas and blends seamlessly into the other interior design features. To improve the acoustics, the ceiling elements were perforated and lined with fleece.


Photo: Jeyhun Abdulla / oxus pro

# OFFICE BUILDING LAPIS HAN, ISTANBUL

Turkey

**Product: dur-SOLO**

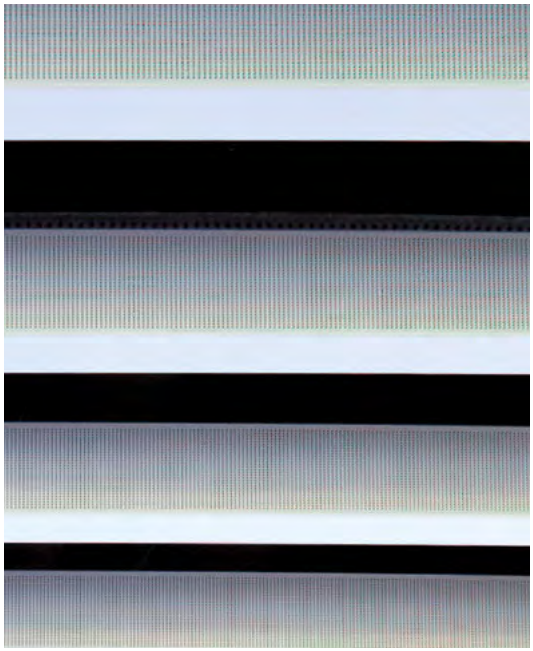
- Design metal ceiling
- Suitable for integration of LED-luminaires
- Individual colors or printing designs
- Optionally combinable with core-activated concrete ceilings
- Can be dismantled easily and without the need for tools
- Available non-perforated or perforated with black acoustic fleece. RG-L15 perforation [NRC = approx. 1.15] and RG-L08 "Pico Point" Microperforation [NRC = approx. 0.60] as standard

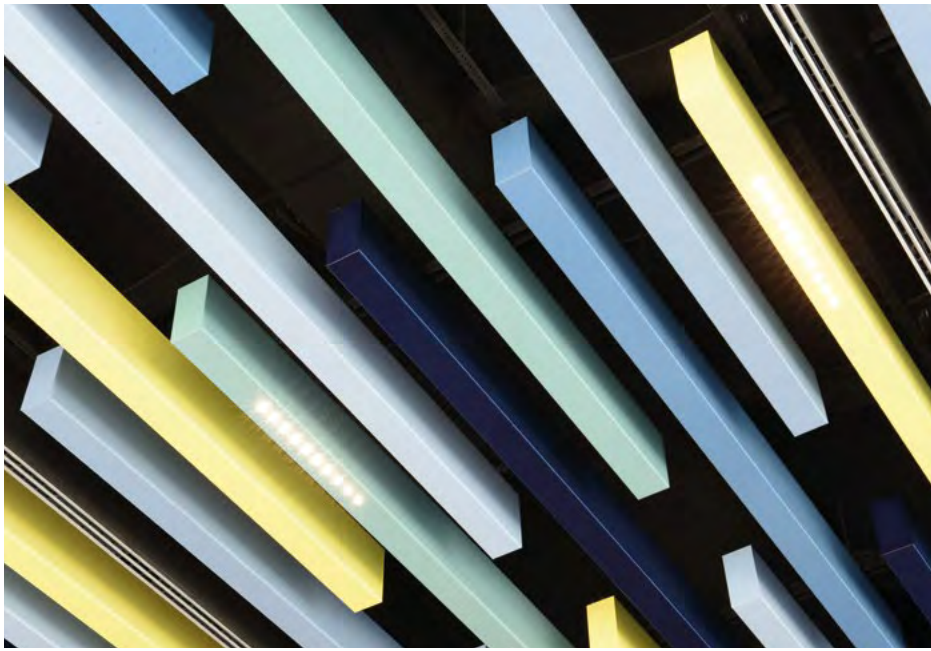
Inspired by the structure of the building, over one hundred different-sized square and rectangular durlum cloud ceiling panels decorate two floors of the new business premises of the renowned Turkish glass manufacturer LAV.
Printed in dur-GRAPHICS oak, the dur-SOLO cloud ceilings of different sizes, alternate with the black open-cell cloud ceilings. The team of OSO Architecture placed great emphasis on the joint design and the uniform profile of the wood grain of the dur-SOLO cloud ceilings. Prior to production, the direction of the grain to be printed was defined for each element and then taken into account when manufacturing the cloud ceilings according to the technical drawings.

Photo: durlum

# HEINRICH MANN SCHOOL, COLOGNE

Germany





**Product: POLYLAM**

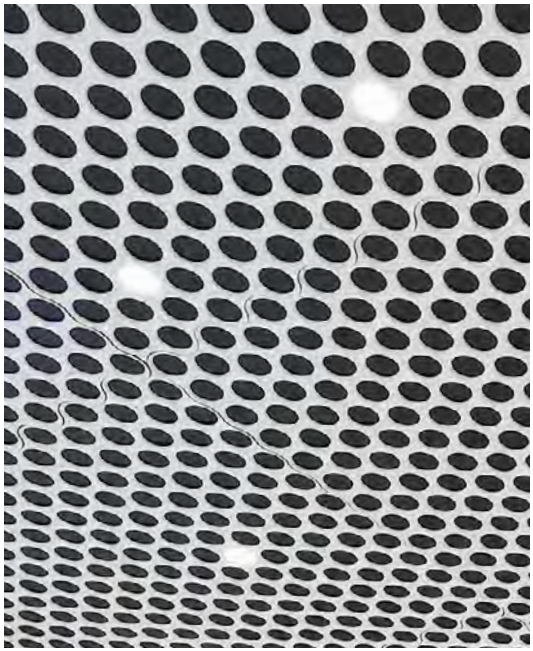
- Design ceiling and lighting combination
- High NRC rating possible
- Individual colors or printing designs
- Linear LED-lighting and spot-lighting can be integrate perfectly
- Also available in a hingeable and/or movable version

Learning and eating in an energy-efficient environment – that's what you can do in the new building of the Heinrich Mann Grammar school in Cologne, Germany.
The open ceiling of the 400 m² cafeteria has many colors. Thanks to large glass fronts, the wide hall is also very bright and gets a playful, childlike charm with the POLYLAM vertical baffle system powder coated in many blue, green and yellow tones. The offset arrangement of the colorful vertical baffles contrasts perfectly with the black background. The system is noise-absorbing which upgrades the acoustics in the cafeteria considerably. Both pupils and teachers like to spend their breaks in such an energetically efficient, but yet inviting and child-friendly environment.

Photo: HGEsch Photography

# MERCK INNOVATION CENTER, DARMSTADT

Germany



**Product: LOOP**

- Design metal ceiling
- Elegant design with unique circular design
- Individual aluminum ceiling islands suitable for integration of the LED-based PUNTEO-J lighting, which can be used to illuminate entire rooms
- Ceiling pattern appears endless with its concealed joints

Inquisitiveness coupled with future-oriented thought and action – for the last 350 years. Right on time for the anniversary celebration, the Merck science and technology company introduced this new Innovation Center at its head office location in Darmstadt.

The LOOP design ceiling from durlum is an integral component of this modern and progressive space concept. With round apertures as its hallmark feature, this design ceiling blends harmoniously into the interior design, communicating an endless and almost floating impression. This visual impression is further enhanced by the fact that these openings are recessed by 5 mm, creating a three-dimensional look for this system.

Photo: Rainer Keser

# SIKA, ZURICH

Switzerland

**Product: TOMEO-R + LUMEO-R**

- Ceiling-lighting combination
- Unique design for special ambiance
- Flexible sizes, colors and lighting solutions
- The optional acoustically effective ceiling elements can be surface-mounted on threaded rods or can be suspended on cables
- Optionally acoustically effective

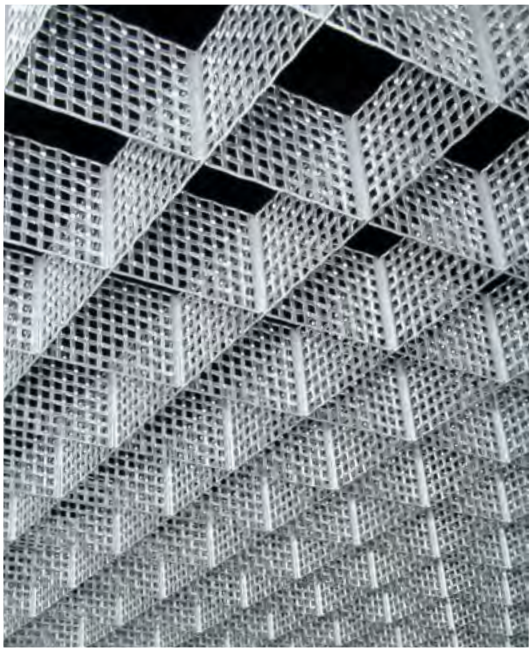
Industrial design meets ingenious energy concept – that would be the most appropriate way of describing the latest building constructed by SIKA, the Zurich-based manufacturer of construction chemicals and adhesives.

In contrast to the lower floors of the building, the fifth floor is predominantly defined in green tones and rounded shapes. The ceiling-lighting combinations suspended at different heights and comprising LUMEO-R pendant luminaires and TOMEO-R ceiling-mounted elements create a very organic atmosphere and effect by virtue of their different diameters. Equipped with ventilation perforations and backed with mineral wool insulation, TOMEO-R elements are not just visually stunning, they also deliver great energy.

Photo: Andreas Schüring Architekten BDA

# UNIVERSITY LIBRARY FHÖV, COLOGNE

Germany



**Product: TICELL**

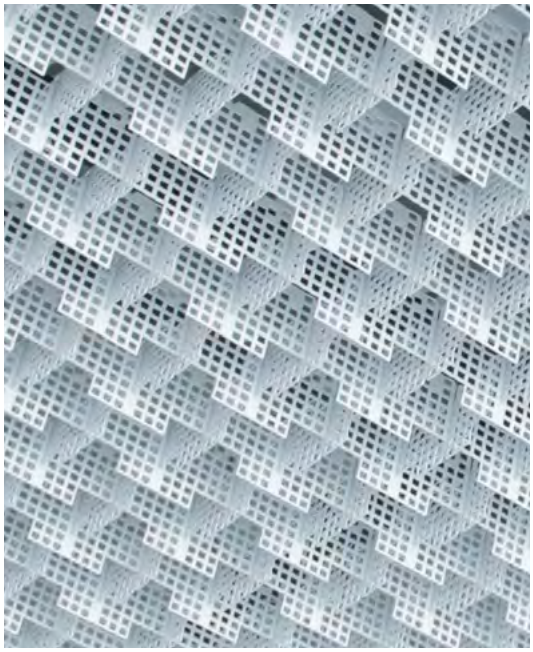
- The LED downlights can be integrated aesthetically in the ceiling
- The ratio between cell dimension and cell height allows TICELL to provide optimum light permeability

Open, bright and gracefully light: The library at Köln-Deutz University provides its 2,500+ students a magnificent learning environment. Strip-coated in white, the stylish TICELL metal open-cell ceiling imbues these interior spaces with a transparent and friendly atmosphere. The ideal ratio between cell dimension and cell height enables the optimal amount of light to permeate this space.
Thanks to a special process, the surfaces of the aluminum blades are structured in such a way that their punched edges reflect the flow of light. This creates a unique look.

Photo: Urner Kantonalbank

# URNER KANTONALBANK, ALTDORF

Switzerland



**Product: TICELL-N + LUMEO-R**

- MEPs can be incorporated in the ceiling void
- Optimum light permeability

Altdorf – the main town in the Swiss canton of Uri and the founding location of the Urner Kantonalbank – is located to the South of Lake Lucerne. For the new head office of the bank durlum supplied an appropriately designed ceiling solution, in part with integrated luminaires.

The multi-directional TICELL-N open-cell ceiling extends across the entrance area, the cafeteria and the washroom areas, showcasing the modern design of these interior spaces with a playfully light touch. Seemingly 'braided', the aluminum surface of this ceiling is structured using a specialist process so that the stamped edges reflect the flow of light. This achieves optimum light permeability. The light and airy character of the new building is enhanced by LUMEO luminaires located between the concrete and open-cell ceiling.

Photo: Andreas Buchberger

# SYNCHRON STAGE, VIENNA

Austria

**Product: STAR 3**

- Open-cell ceiling in linear design
- Aesthetic integration of spot-shaped luminaires is possible
- Individual panels are pre-fabricated
- As an option, panels can be foldable [hinged]
- Individual colors

Glittering sequins in an historical building – an unusual touch of glamour afforded by the redesigned rooms of the Synchron Stage in Vienna. The durlum ceiling and mirror elements in the foyer and corridors contribute to the timeless, high-caliber design of the interior spaces. Clean lines constitute the dominant feature of the corridors in the Synchron Stage. Special lengths of linear louvers STAR 3 fit seamlessly together at ceiling level and direct the movement of people, i.e. they point the way.

This interplay of the traditional and the modern, of rounded shapes and straight lines, helps to make the Synchron stage in Vienna into such an extraordinary building.

Photo: krausprojects

# HÄRTEREI GERSTER AG, EGERKINGEN

Switzerland

**Product: STARLAM**

- Vertical installation is possible
- Individual panels are pre-fabricated
- As an option, panels can be hingeable [with support rail U 94]

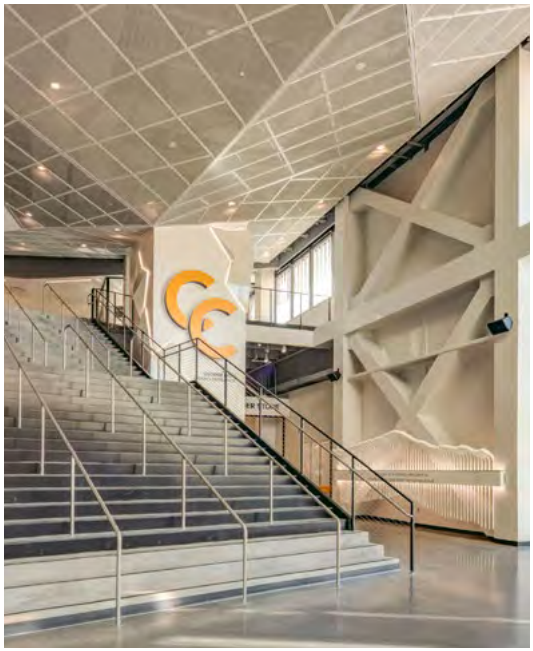
The Härterei Gerster AG hardens about 10,000 different types of steel, cast iron or non-ferrous metal parts each year. Gerster relied on ceiling solutions by durlum for the annex space, which is used for lectures and events. Thereby, Gerster created new presentation options for its customers. Changing the space with movable partitions was important during the planning. The rooms needed to be adaptable to different uses.

A distinctive feature was the adaptation of the ceiling elements to the existing steel girder, facilitating the integration of the exhaust air system. The curves of the open cell ceiling STARLAM loosen up the atmosphere and give an architectural look.

Photos: Ron Pollard

# ED ROBSON ARENA, COLORADO SPRINGS

United States of America



**Product: RHOMBOS**

- Expanded metal ceiling for lightness in architecture
- Elegant design with a lot of possibilities
- Suitable for integration of the LED-based lighting solutions from durlum
- The lighting channel OMEGA can also be used as substructure.

The transparent architecture of the ultra-modern, sustainable Ed Robson Arena echoes elements of the surrounding buildings and mountains. A highlight is the light-permeated and spacious entrance area with its faceted and luminous expanded metal ceiling. Large white triangular surfaces are arranged in opposing angles, framed by narrow lighting channels that complement the dynamic character of the ceiling and make it appear almost weightless. At the same time, these lighting channels form part of the complex and technically ingenious substructure.

Dark-grey expanded metal ceilings in other areas of the arena also underline the visual lightness and transparency of this new arena.

Photo: Lisa Whitelaw Photography

# UNIVERSITY, TORONTO MISSISSAUGA

Canada

**Product: Special baffle system and linear luminaires**

- Design ceiling and lighting combination
- Individual colors or printing designs
- Available non-perforated or perforated with black acoustic fleece.

Mississauga, lying about 30 kilometers to the West of Toronto, is home to the second largest location of the University of Toronto. In a comprehensive renovation project, one of the oldest buildings on campus gained an open, new meeting point with seating, new dining facilities and foyer areas. To assist in this transformation, durlum supplied its POLYLAM vertical baffle system as a special profile for the integration of linear luminaires. The ingenious arrangement of the baffles results in a triangular design that imbues the ceiling with an open character and that uses skylights to deliver daylight. In places where no linear lighting is integrated in the vertical baffles, a blind cover with a wood finish sets a colorful counterpoint, highlighting the triangular design.

Photo: Sam Fentress

# MUSEUM AT THE GATEWAY ARCH, ST. LOUIS

United States of America

**Product: Rectangular metal panels and linear tube ceiling**

- Metal panels as a custom solution [similar to S7]
- Linear, extruded aluminum tubes as a specialist solution in various dimensions

A real eye-catcher, even from a distance: The Gateway Arch, also known as the 'Gateway to the West'. This impressive arch is the central structure in the Jefferson National Expansion Memorial, a monument in St. Louis, in the US state of Missouri.
The entrance foyer, which can be accessed from the adjacent park, guides visitors into the subterranean museum. Slightly curved and tapering down towards the back, mat-lined rectangular ceiling panels made of highly reflecting aluminum create the suspended ceiling. Aluminum tubes with a diameter of about 76 mm are suspended from a specially designed support system.
The light in these tubes is reflected off the suspended ceiling, immersing the entire area in a diffuse natural light.

Photo: Metropolitan Transportation Authority

# FULTON CENTER, NEW YORK

United States of America

**Product: Daylight Reflecting Panels**

- Different, three-dimensional rhombic and triangular-shaped daylight reflecting panels suspended in a net of steel cables
- Highly reflecting aluminum surface which reflects 95% of natural light
- Individual perforation of each panel according to exact coordinate and design specifications

With the words "Welcome to the station of the 21st century", the largest traffic junction in New York reopened in Lower Manhattan, connecting nine subway lines. The center piece and attraction of the station is the worldwide unique "Sky Reflector Net."
An oval dome with skylight that is 24 meters high in the center of the station, reflects the natural sky into the inner of the atrium via a special construction. 952 perforated daylight reflecting panels by durlum suspended from a net of steel cables, guides the daylight from above down to two levels below the transit and retail area. Each one of the daylight reflecting panels was dimensioned and designed individually to meet the overall design, statics and light guidance of the project.

# METAL CEILING
## SOLUTIONS

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