Dear Reader,

We were very excited prior to our visit to Rome: modern architecture has a hard time in a city with more than enough evidence of its glorious past. Two architects in particular come to mind with three outstanding structures: Renzo Piano and his expressive auditorium, and Richard Meier with his sacred building and an exhibition hall. How did architect Zaha Hadid’s idea come out on top in an international competition with 300 participants? Having arrived in the Flaminia district, some two kilometres north of the vibrant Piazza del Popolo, surrounded by low and medium-height apartment buildings, we were taken by surprise. The MAXXI (Museo Nazionale delle Arti del XXI Secolo) nestles against the surroundings of a former military site. Hadid’s architecture takes up the axes of meandering and intersecting paths running out of the city. Join us on this exciting spatial continuum.

This year’s «Light + Building» trade fair in Frankfurt was motivated by an optimistic spirit amongst all participants. In our many good discussions, there was an obvious commitment to innovation and quality. We were accordingly pleased with the good performance of our BEGA and GLASHÜTTE LIMBURG luminaires in the IF product design award 2010. Further details are given in this information brochure.

Heiner Gantenbrink
Like the head of a coiled snake, the projecting showcase of the curved top floor is enthroned above the entrance zone. The external impression of the MAXXI is one of a seemingly free composition of winding parts of structures arranged one on top of the other and in rows. The closed façades alternate with large glass surfaces.

Supports are filigree columns in a row. At the entrance, visitors are drawn to a meticulously designed area which literally draws them in – by creating a desire to satisfy their curiosity about the spatial experience inside.

The competition notice advised participants to create a flexible area of observation and experiment, which was related to future developments in art and architecture. Architects Zaha Hadid and Patrik Schumacher created spatial fireworks from flowing spaces. Floating ramps and a network of black stairways open up rooms with sloping floors and inclined walls. Ceiling cut-outs lavishly supply light from above as well.
Defined light for unequivocal fair faced concrete

The projection of artificial light provides the exciting architectural composition with a further dimension. Floors, walls and ceilings of the vaulted structures are exposed as reflection surfaces through targeted illumination. The meticulously conceived landscape architecture is impressive for its interesting variations in form and material. It highlights past and current urban paths. Undercut narrow gravel pathways make associations with railway tracks. Underlined by the use of artificial light, it becomes unmistakably clear: the building is art.
Softly rounded, white benches rise from the curved lines of the exterior design and invite visitors to sit back and quietly contemplate the museum and its surroundings. The opening exhibition, consistent with its title «Space» pays homage to the new museum concept and with over 90 works from the museum’s own collection, and three separate exhibitions, demonstrates the potential of utilizing indoor and outdoor space. Before art was housed here, the Berlin choreographer Sasha Waltz and her dance company explored the miracle of space under the title «Dialogues 09 – MAXXI». It will be interesting to see how future curators use the potential of the sequences of rooms known as the «Suites». There are plans to integrate partition walls with ceiling rails as and when required, creating once again other new spatial impressions. Zaha Hadid is looking forward to the «Arte Povera» exhibits – room installations made from everyday materials that lie all over the ground and become part of the room.

The team of architects quickly decided to install drive-over BEGA in-ground luminaires. During the day, their round concave covers arranged strictly in line accentuate the layout of the pathways outdoors, and apart from fulfilling their intended function, they are a valuable architectural detail. The 180° light sector version provides pleasant illumination from low mounting heights. The metal halide lamps used are maintenance and energy friendly, with an average service life of 12,000 hours.
The enormous installations of the artist Gino de Dominicis, who died in Rome in 1998, and whose creations transformed and enlarged the human body into a gigantic form, enter into a fascinating dialogue with their surroundings. In contrast to the filigree rows of columns, the confusion the oversized, unfamiliar skeletons create for the observer is intensified. Structural and artistic effects skilfully interact. Rows of drive-over BEGA in-ground luminaires, installed in close proximity, uniformly illuminate the undersides of the layered structures.

The same luminaires illuminate curved walls and conjure up an effective interplay of light and shadow on the large sculptures. Once again, metal halide lamps are used in the same warm white light colour as used for the pathways. Luminaires with installation depths of 185 or 120 mm were installed to match the floor construction. The stainless steel frame ring and patented skid-blocking glass combine design and safety in these public zones.
Striking luminaire design sets creative accents
The role of glass in this daylight museum is significant. The other dominant material is wonderfully bright, three-dimensionally shaped exposed concrete, which defines the building from inside and outside.

The counterpoint is formed by the elegant curved and winding black metal stairways. They are reminiscent of the interlaced architectural fantasies of the 18th century engraver Piranesi. In parallel, rows of BEGA recessed wall luminaires and matching BEGA bollards provide the same contrast of material and colour to the bright swinging surfaces and elements of architecture outside.

An impressive architectural detail by day, they become a convenient lighting system by night. They create glare-free light on ground surfaces. BEGA installation housings and plaster frames guarantee perfect installation in sophisticated exposed concrete surfaces.
Pole-top luminaires for indirect illumination with soft, asymmetrical light distribution

The shape of the huge structures is repeatedly complemented outside in two ways. Indirect area lighting illuminates the undersides. Projecting structural elements rest on rows of round filigree columns. The BEGA pole-top luminaire, with its elliptical shaped top reflector incorporates these two design motifs of the architecture in terms of shape and lighting technology. Arranged in a soft arc, they provide a striking framework for the actual entrance zone of the museum. The diameter of the five metre high luminaire pole with anchorage unit is a slender 170 mm. The light of the fitted high-power floodlight for a brilliant 150 W metal halide lamp, is directed softly by the spherically concave indirect reflector with a 30° slope angle towards the entrance area. The uniform, glarefree veil of light sensitively accentuates the entrance. The impression of the minimalist luminaire design by day stands up in an appealing and dynamic way alongside the expressive architectural design. Ten years of planning and construction, at a cost of 150 million euros, have been worthwhile. The complex and technically demanding building has exceeded the client’s every expectation. It will be interesting to see how the changing art exhibitions of the 21st century will be highlighted against this architectural masterpiece.
Architecture in a fascinating dialogue with luminaire design
Almost 2500 products from 39 different countries were submitted to an international jury of experts for the iF product design award. The experts gave the iF product design award for excellent product design. A small number of the top products were specially honoured with the iF gold award.

Given the immense significance of this competition internationally and the high-quality of all participating products, we are especially proud that GLASHÜTTE LIMBURG received the iF gold award. The award went to a series of wall luminaires which appear to be made purely of glass.
The fundamental requirement for the award of this «Design Oscar» is innovative product design. Responsible and appropriate use of technical components, a long service life and ease of maintenance are also characteristics that define an excellent product. The enthusiastic judgement of the expert jury was summed up as follows:

«Simplicity and excellent material processing distinguish this product immediately. The impressive glass is processed to a high quality and defines the design. Installation and relamping are simplicity itself. A wonderful IF gold award.»

The road from realization of an idea in glass to the finished luminaire is long but is more than worthwhile when the result is an exceptional, fascinating series of luminaires. The white inside of the glass appears to be embedded in clear crystal glass. This fusion produces soft, pleasant light with a brilliant gloss effect. Seemingly without fixture, the luminaires create their own light display. It is only the metal connections, meticulously integrated into the glass, that suggest the presence of the lamp housing. Four versions, in different dimensions with alternative lamps, open up infinite design potential: as single luminaire or arranged in formation. This series of «glass light» is an illuminating enhancement for any interior.
The development of new lighting ideas and the constant improvement of our glassmaking art determine our work. Our new series of luminaires usher in a new chapter on "light and glass".

The aim was to build efficient luminaires which appear to be made purely of glass. And we succeeded. Thick-walled 20 mm crystal glass is the only visible component of this series of luminaires. The meticulous metal processing supports the elegant, high-quality character of these models. The thick-walled crystal glass defines these two series of luminaires with impressive light displays. Both room and installation surface are illuminated, creating a pleasant atmosphere of light. The recessed ceiling luminaires as downlights additionally have fitted reflectors made of pure, high-quality aluminium.

Both series are characterized by their shallow installation depths and easy-to-use mounting system.

The use of halogen lamps, fluorescent and discharge lamps, as well as powerful LEDs, make these new developments economic, efficient products which are impressive both technically and aesthetically.

This was the opinion of the jury too and the reason why they gave these luminaires the iF product design award.

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Recessed ceiling luminaires

8537 ø 130mm LED 11W
8539 ø 130mm LED 16W
8534 ø 130mm G14 30W
8906 ø 190mm G14 75W
8907 ø 190mm TC-BL 20W
8914 ø 190mm HFT-TC CE 20W
Large-area luminaires for ceilings and walls
Light outputs 11600 - 17500 lumen

Our new large-area luminaires, with diameters of 670 mm and 930 mm, make an important design impact on their surroundings. They are examples of craftsmanship at the highest level. Exceptionally precise polished aluminium rings support large synthetic disks. The special synthetic mixture and light-diffusing textures on their inside produce an entirely homogenous luminous area. Even where light outputs are 17500 lumen, luminance is still comfortable. The high light outputs and large luminaire diameters, combined with the high protection class IP 65, are innovative and exceptional.

They create entirely new design possibilities for high ceilings and walls. 17500 lumen allow the reduction of the total number of light sources in a room. Even a few light sources can produce an impressive, uniform light effect, which can be maintained even when luminaires are dimmed. This innovative lighting ambience is lighting par excellence for large rooms.
LED chandelier - 130 W - 6240 lumen

LED technology is now an integral part of professional luminaire design. The LED, an efficient and robust illuminant, opens up new potential in product design. The diameter of the flat, polished aluminium ring of this new chandelier is almost one metre. It supports 16 brilliant crystal glass elements. Each of these impressive elements is like a small sparkling precious stone, held by a high-quality ring. They are illuminated by one LED each with colour temperature of 3000 K. They produce a luminous flux of 6240 lumen with total connected power, i.e. LED and power supply unit, of just 130 W. The luminaires can be infinitely dimmed and are, therefore, appropriate for any occasion. This impressive, high-quality chandelier is suitable for applications in exclusive private rooms and in surroundings of grand stylish architecture. Our luminaire masterpiece is especially spectacular when suspended from the ceiling in high rooms.
Powerful pendant luminaires in different dimensions
Light output 9600 to 24,000 lumen

Continuing a long tradition, this new series reinterprets the cylinder as a classic pendant luminaire: an exquisite combination of glass and metal, equipped with the latest lighting technology. These luminaires made of hand-blown, three-ply opal glass are enhanced with precisely fitting support rings made of polished aluminium. A sophisticated suspension system allows easy adjustment of the luminaires. The structural design of these luminaires is impressive. Both modern and traditional, their different shapes harmonize with good architecture. The luminaires can be dimmed and adapted to the requirements of individual occasions. Two designs are available for light outputs of 9600 and 24,000 lumen.
At Light + Building 2010, our new LED bollards and on-ground luminaires met with appreciative interest from visitors. This was confirmed by the judgment of the iF jury of experts. Both series received the iF product design award.

BEGA on-ground luminaires offer solutions to two different lighting tasks from very low mounting heights:

1. Variable illumination of vertical surfaces e.g. parts of buildings, façades, trees or elements of outdoor architecture.

2. In-depth illumination of horizontal surfaces e.g. paths, driveways or squares.

Both applications are achieved using the identical housing shape. At a height of just 170 mm, the luminaire can be discreetly integrated into architecture or landscape. This new luminaire concept is an alternative to the in-ground luminaire.
Powerful and economic LED bollards providing rotationally symmetrical illumination of ground surfaces. The lighting concept of these bollards is based on the fitted LEDs and a BEGA precision reflector module. Product design and construction of the luminaire are the result of the consistent implementation of this new lighting development. These luminaires are impressive for their outstanding lighting and design quality. They are distinguished by their highly effective luminous efficiency, extremely long service life and uniform illuminance.
An information brochure from
BEGA · LIMBURG · BOOM
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