Dear Reader,

This edition reports on three outstanding urban and architectural projects with exciting lighting concepts:
The Museum of Modern Literature in Marbach, the Cultural and Media Centre in Pulheim near Cologne and the Institute for Medical Genome Research in Berlin. The lighting concepts for these buildings are as diverse as their intended use.

We start with the Museum of Modern Literature in Marbach, planned by David Chipperfield Architects of Berlin. The architect himself makes the following comment on his work: «Light is decisive in any case for the atmospheric flair of this structure.» It links the introverted world of precious literature manuscripts with the exemplary embedding of architecture in the landscape. In the basement: crepuscular 50 lux artificial light, discomforting 18°C and a constant humidity of 50%.

Enthroned above this, bright and visible from all sides, is the entrance pavilion. In the twilight and at night BEGA luminaires produce pleasant atmospheric light and create an impressive setting for the architecture.

BEGA and GLASHÜTTE LIMBURG have the necessary lighting tools to solve a host of lighting tasks.

We are delighted that our products have played a material role in realizing the projects we present to you here.

Heiner Ganterbrink
Builder-owner: Deutsches Literaturarchiv, Marbach
Architects:  David Chipperfield Architects, Berlin
Project manager: Alexander Schwarz
Light planning: Mati AG, CH-Adliswil
Building services: JMP-Jaeger, Mothlinweg & Partner, Berlin
Landscape perspective – insight into the world of 20th century literature.

The Schiller National Museum was erected on a hillside at the birthplace of Friedrich Schiller in 1903. Built on the outskirts of Marbach on the Neckar, this institution is a loving tribute created by the Friends of Schiller. As the German Literature Archive grew, it was given its own nearby building in 1973. The Museum of Modern Literature, a jewel of a museum and unique in the world, opened its doors on 9th May 2006, the 200th anniversary of Schiller’s death.

A small part of the German Literature Archive is presented over a surface of 1,000 square metres in a series of memorable exhibitions. The new building by David Chipperfield Architects of Berlin stands at right angles to the Schiller National Museum with similar dimensions in terms of layout and elevation. The manner in which the architecture is embedded in the topography is impressive, allowing a wide view over the Neckar Valley. The exhibits require extreme conditions: no daylight, crepuscular 50 lux, cool 18°C temperature and humidity of 50%.

How does the architecture respond to these extremes? The exhibits are housed in low levels of illumination coming as close to natural light as safely possible. When leaving the museum’s basement rooms the level of daylight increases, creating a gradual return to normal levels. The compact foyer with cash desks and cloakroom facilities and auditorium dominates the elegant structure and highlights the central symmetry of the neighbouring museum.
Recessed luminaires - **unshielded** or **shielded** light for incandescent lamps and fluorescent lamps

**Protection class** IP 65

Die cast aluminium and stainless steel · Safety glass

Reflector of pure anodized aluminium

Colour graphite, white or silver

graphite = article number
white = article number + W
silver = article number + A

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<th>Lamp</th>
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The impressive basement emerges from a sweeping terraced landscape, inviting visitors to take an enjoyable stroll day or night. This dramatic interplay between the extroverted landscape and the introverted interior space harmonizes the hidden museum rooms and the outside world, successfully merging the architecture and natural forms.

The façade of the basement extends upwards with the balustrade over the entrance level. Recessed luminaires 2044 flush with the wall – photo page 4 – provide pleasant location light. The diffuse light from 36 W compact fluorescent lamps brings the surface of the shell limestone covering the parapet and ground to life, while safely illuminating the walkway around the building. If you walk from the Schiller National Museum to the new building, a flat ramp running parallel to the base invites visitors to explore the site. Shielded bollards with single-sided 180° light output illuminate this walkway.

These distinctive light objects are equipped with 70 W metal halide lamps that are characterized by their high brilliance. All of the luminaires used have lamps with an average life of about 12,000 hours. This means long intervals between maintenance – a great advantage in outdoor lighting.

The Museum of Modern Literature develops its striking temple architecture in dialogue with the landscape and the existing museum building. The introversion of the exhibition rooms contrasts with the skilful use of daylight. In the twilight, artificial light sets individualistic accents. A few light elements transform the building into a stage for the exhibits of modern literature.
Shielded bollards
with single-sided 180° light output for discharge lamps
Protection class IP 55
Die cast aluminium, aluminium and stainless steel
Borosilicate glass
Reflector of pure anodized aluminium
8513 Connection box 620
8518 Door and connection box 632
BEGA bollards are bolted with a mounting plate to a foundation supplied by the customer or an anchorage unit made of galvanized steel.
The BEGA mounting system allows adjustment of the luminaire during installation.
Anchorage units are accessories and must be ordered separately. A detailed description of the bollards and accessories is given in the BEGA Main Catalogue.

Colour graphite or silver
graphite – article number
silver – article number + A

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Opening into the outer room, the foyer, resplendent with windows from floor to ceiling, embraces the daylight. A flat concrete roof, supported by slim, sharp-edged concrete columns, provides a gentle cover, creating interim levels filtering light and shade to the outer room. The architecture has a sculptural effect, as though created from a mould, with the base and upper level using the same materials: sandblasted concrete with shell limestone chips, Jura sand, and Issar sand. Nighttime brings yet another effect when the cover of the concrete skeleton appears to detach itself from the foyer pavilion through its own illuminated space. In this setting, minimalist lines of artificial light on the ceiling create their own accent, skillfully corresponding to the vertical concrete columns. BEGA light building elements 2466 are arranged two in a line reaching a length of 2,500 mm, and harmonize with the archaic details of all architectural elements of the building.
Light building element · Ceiling and wall luminaires for fluorescent lamps
Protection class IP 44
Die cast aluminium, aluminium and stainless steel
White plastic diffuser
Colour graphite

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A town gets a new centre.
Mentioned for the first time in documents as «Pulheim» in 967, Pulheim received its charter in 1981. The administration’s move to the new town hall in 1982 made it possible to house the library in the old town hall which dates back to 1924. Space was immediately too confined, the statics groaned under the burden of books, to say nothing of the problem of accessibility. Committed politicians and citizens had been pursuing the idea of a new library since 1986. An urban ideas workshop entitled «Vision Pulheim 2010» developed a basic and master plan for the centre of Pulheim with the help of four well-known planning offices. The core statement from the town planners was that urban life can only develop in an atmosphere that invites passers-by to linger.
Architects Professor Nikolaus Fritschi and Knut Würfel developed a concept which interwove streets with new square elements. Rather than place another solitary structure alongside the town hall, town hall centre and the Dr.-Hans-Köster Hall, which was completed in 1987, a town centre needed to be created around two buildings.
In February this year, the time had come: the new Cultural and Media Centre was opened in Pulheim. The urban idea of architect Knut Würfel was implemented in a convincing way: the building to the west of the Dr.-Hans-Köster Hall now houses the 1,200 m² conveniently sized public library which holds over 40,000 media. Located opposite to the east is the new centre with foyer and integrated café for municipal cultural events.
Light in public areas

Builder-owner: Town of Pulheim
Architect: Knut Würkel, Cologne
Overall planning + light planning: Moersch + Würkel, Cologne
Electrical planning: Elektro Schärdle, Bergheim
Electrical installation: Cageltec, Cologne
The simple, modern architecture with large windows openly communicates in all directions. Slim, visible concrete strips structure the building horizontally. The infill was carried out as a high-quality masonry bond with natural stone typical for the region. Vertical concrete columns open up the impressive loggia in front of the event hall. The two new buildings overcome the height difference of the existing buildings with the large steps linking them together. The buildings form a harmonious ensemble with a three-part area. The upper level in front of the Dr.-Hans-Köster Hall provides an outstanding view of the connecting steps and the lower level of the square in front of the town hall and town hall centre with its shops and gastronomic establishments. A row of trees demarcates the outside gastronomy transparently, at a distance of 5 metres from the rest of the square.

Most diverse events can take place here on an area of approx. 1,500 m². The urban quality of a town is especially defined by the well-being of its pedestrians in the evening. Managers of urban space are discovering the qualities of staging light appropriately in public areas. This aspect was solved to perfection around the Cultural and Media Centre in Pulheim: high stiles of light mark the stage area and illuminate the square easily with pleasant light. BEGA light building elements 8997 and 8998, resp. 6.5 metres in height, also play a symbolic role by day, where they create the interaction of the sophisticated new buildings and low-level sculptural seating elements.

The haptic quality of the façades is inspired by BEGA flush in-ground floodlights 8751 for 70W metal halide lamps. Their adjustable reflector technology and special diffuser lenses project the light onto the surface of the façade as a flat beam.
Light building elements for fluorescent lamps
Protection class IP 65
Die cast aluminium, aluminium and stainless steel
White plastic cylinder
Door and connection box 632
Technical data of connection boxes are given in the BEGA Main Catalogue.
Colour graphite or silver
graphite – article number
silver = article number + A

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Apart from lighting to stage and illuminate the architecture, there are other important components of artificial light. Economical BEGA location luminaires provide pleasant illumination of the spacious steps. At night, illuminated by economical BEGA in-ground floodlights, the row of trees demarcating the outside restaurant area from the town hall centre, acts as a transparent structural element.

BEGA recessed luminaire 2193 is presented here in detail. These recessed luminaires, flush with the wall, blend in perfectly with the longitudinal façades of the new buildings. Their directed light is glarefree, guiding passers-by safely along the walkway.

The Cultural and Media Centre in Pulheim is more than a new public library and event centre. The town now has an urban core. A great success in terms of town planning, shapes and materials appear bright and pleasant and invite visitors to stroll around and linger in the town. Targeted use of lighting elements ensures that this atmosphere of well-being continues into the twilight. And furthermore, the staggered heights and new cohesion of building and square as a whole are effectively enhanced by this stagelight production.
Recessed luminaires - **directed** light
for tungsten halogen lamps and fluorescent lamps
Protection class  IP 65
Die cast aluminium and stainless steel - Safety glass
Reflector of pure anodized aluminium
2194 with electronic ballast
When preparing recessed openings, it may be practical to use installation housings.
If luminaires are installed in brickwork or concrete walls that are subsequently plastered, it can be practical to use plaster frames.
Further details are given in the BEGA Main Catalogue.
Installation housings and plaster frames are accessories and must be ordered separately.
Colour graphite or silver
graphite – article number
silver – article number + A

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The sphere · The light classic

Builder-owner: Max-Delbrück-Centrum für Molekulare Medizin und Leibniz-Institut für Molekulare Pharmakologie, Berlin
Overall planning + light planning: Staab-Architekten, Berlin
Electrical planning: Schoize Ingenieure, Berlin
Electrical installation: LIWA, Berlin

The new Institute for Medical Genome Research by Staab Architects of Berlin with its outward sweeping corners complements the bordering woodland on the edge of the Berlin-Buch campus. The central, four-storey laboratory, which forms the core of the building, detaches itself from the offices, which nestle close to the curved façade, through air spaces from the bottom to the top of the building. Narrow bars create filigree connections. The entrance takes visitors by surprise with a vast and high hall, generously flooded with daylight. The central point of the hall is a spiral stairway to all floors which creates fantastic impressions. All materials and details were studied carefully. Soft curves and severe lines harmonize together to produce an exciting contrast.

Illumination here can be more than just purpose lighting. Unshielded pendant luminaires made of hand-blown opal glass with their filigree metal fittings swirl around the stairway sculpture like a mobile. Its plasticity also functions during the day when the light is switched off. It works magic on visitors and staff while the spherical shapes are associations with the building’s research mission.
A reinterpretation of a classic. We often think it is impossible to improve a well-known object. We have reinterpreted the classic pendant luminaire modern, streamlined and equipped with the latest lamp technology. This new series continues a long tradition.

Luminaires with hand-blown, three-ply opal glass. Highly translucent but opaque glass which distributes the light very uniformly. The large surface of the luminaire glass plays a special role here.

Robust and reliable luminaire tools that operate over long periods.

For special applications, we supply luminaires with a diameter ≥ 250 mm, also made of impact-resistant plastic.

Pendant luminaires for:
- incandescent lamps A 60 - A 65 - A 80 - E 27
- fluorescent lamps TC-TELI - electronic ballast.

- Satin matt, hand-blown opal glass.
- Metal fitting and metal canopy.
- Surface either:
  - stainless steel - black connecting cable
  - chrome - black connecting cable
  - brass - white connecting cable
  - white enamel finish RAL 9010
- white connecting cable

The luminaires for fluorescent lamps are fitted with the required discharge units.

Luminaires for a maximum wattage of 32 W can also be operated at 26 W, luminaires for a maximum wattage of 42 W can also be operated at 32 W or 26 W.

L = overall length of luminaire
Luminaire 5262 from GLASHÜTTE LIMBURG won the »IF Design Award« last year along with six other products from our group of companies.

This luminaire belongs to a group of powerful, unshielded pendant luminaires for incandescent lamps and fluorescent lamps in four sizes. These luminaires are equipped with hand-blown, three-ply opal glass, in which a wafer thin layer of opal glass is sealed between two layers of clear glass. This produces a very translucent but opaque glass which reduces the luminance of the lamps, and distributes the light very uniformly and with minor loss.

Modern lighting technology, impressive luminaire glass, high quality and timeless good design, make these luminaires durable and aesthetic elements of interior design.
Pendant luminaires for
- incandescent lamps A 65 - E 27
- fluorescent lamps TC-TELI - electronic ballast
- fluorescent lamps TC-L - electronic ballast

Hand-blow three-ply opal glass

Stainless steel canopy

The luminaires for fluorescent lamps are fitted with the required discharge units.

L = overall length of luminaire
Steel cord · Transparent connecting cable

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Light for indoors

Powerful, unshielded luminaires in three sizes for incandescent lamps and fluorescent lamps. Luminaires with hand-blown, three-ply opal glass, in which a wafer thin layer of opal glass is sealed between two layers of crystal glass. Masterpieces of the glassmaker’s craft.

Robust and reliable lighting tools that operate over long periods. Perfect proportions and impressive glass make these luminaires durable and aesthetic elements of interior design.
Open wall luminaires for
- tungsten halogen lamps QT 32 - E 27
- incandescent lamps A 60 - A 65 - E 27
- fluorescent lamps TC-DEL - electronic ballast
- fluorescent lamps TC-TELI - electronic ballast

Hand-blown three-ply opal glass
Aluminium bracket
- white aluminium enamel finish RAL 9006

The luminaires for fluorescent lamps are fitted with the required discharge units.
Luminaires for a maximum wattage of 42 W can also be operated at 26 W or 32 W.
The luminaires on this double page can only be operated in the burning position shown.

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