Dear Reader,
Our work has once again reaped rewards in 2006. For the third time, one of our luminaires has received the highest acclaimed IF product design award. We are delighted because the IF gold award is always a special recognition of the work in which we pride ourselves. This year, the main award for excellent product design went to BEGA light building element 8877. Its slim appearance and modern lighting technology thoroughly impressed the international jury.

The IF gold award, however, was only the crowning achievement of a total of five awards for BEGA and for group company GLASHÜTTE LIMBURG. We also received IF design awards for two BEGA wall luminaires, which are a perfect complement to the BEGA light building element 8877 in terms of shape and lighting technology, and for two round recessed ceiling and wall luminaires for tungsten halogen lamps and fluorescent lamps from GLASHÜTTE LIMBURG. This information brochure presents not only our award winners but also a unique project in Austria: the new Hungerburg railway in Innsbruck.

A special feature of this railway: it takes you directly from the city centre up to the alpine village of Hungerburg. In just eight minutes, you can get away from the hustle and bustle of city life and enjoy the mountain scenery. Leisure and relaxation are very important to Austrians in private and economic terms. The new Hungerburg railway in Innsbruck was from the very outset much more than just an infrastructure project. It was designed to draw crowds and to be a talking point far beyond the boundaries of the city.

Such a concept is always a success when it involves renowned architects who produce work with great appeal. The design of the four railway stations and the bridge over the Inn were assigned to architect Zaha Hadid. Whenever she designs, she creates a sensation not just in architectural circles but among the general public as well. She has bestowed yet another attraction on Innsbruck with her sculptural structures, reminiscent in shape and material of flowing glacier tongues. The sweeping lines of the station roofs produce a long-distance effect, especially at night, when the amorphous bodies of light seem to have no connection with the ground, and appear to float effortlessly.

The following pages may well inspire you to visit Innsbruck. If so, have a great trip on the Hungerburg railway and enjoy a relaxing stay in the city.

Hainer Gantenbrink
gold award 2008

BEGA light building element 8877 is one of the prize winners of the coveted IF gold award 2008 from International Forum Design, Hannover. «Authentic products had a clear advantage this year», commented Chairman of the Jury Fritz Frenkler. «No fusion, no retro, no pretending: only manufacturers who prioritize simple and easy-to-operate products will enjoy success long-term, and help define the New Modern Age».

The award-winning products of our group companies are presented in detail on pages 12 to 21 of this brochure.

2008 award ceremony: Ralph Wiegmann, IF, Heinz-Dieter Stroßmann, BEGA, Bettina Cramer, IF
Get away from it all, up into the mountains in no time. What could be better?
For residents of Innsbruck, the capital of Tyrol, and its visitors, this is not just a utopian dream but thanks to the Hungerburg railway has been a reality for over a century. The first railway connection from Innsbruck to Hungerburg was already in operation in 1906 but did not run as far as the city centre. The construction of a new railway was decided in 2003. Since December 1st 2007, passengers can now travel from the city centre directly and get out at Hungerburg's alpine station in just under eight minutes. There are four stops on the way up, starting at the congress centre, just a walk away from the Little Golden Roof.

The «Congress» station and the second station «Löwenhaus» are connected by a tunnel. After that, the train emerges from underground to travel over a bridge across the River Inn. It travels onwards following the river bank, through the Weiherberg tunnel to stop at «Alpenzoo» and finally to the 857 metre high alpine station «Hungerburg».

If you wish to continue your journey, you can always take the Nordketten cable car as far as alpine station «Hafelekarspitze» at an altitude of 2,256 metres.
Architecture as a mirror image of the Alps

Builder-owner: City of Innsbruck/STRABAG
Architects: Zaha Hadid Architects, London
Light planning: Zaha Hadid Architects, London
Zumtobel Lighting
Electrical planning: ILF, Rum
Electrical installation: EAE Stöckl GmbH, Innsbruck
All four stations and the bridge over the Inn were planned by Zaha Hadid and bear the unmistakable mark of this star architect. Despite the originality of each of the structures, they clearly relate to each other with their expressive, organic architecture. The stations are defined by their dynamic flowing shape. Light-coloured, exposed concrete bases support the hybrid, computer-generated roof structures which surround the tracks in their unique way, and push through the alpine landscape like moving snow or glacier tongues. Thermoformed glass surfaces, painted inside, are installed on the basic steel frame structure. The originality of these building sculptures is enhanced even more so at night when brilliance, material and unique shape are highlighted by indirect
lighting with in-ground floodlights. The largest and architecturally most exciting of the four stations is the Hungerburg alpine station. A striking concrete structure in the form of a viewing platform thrusts out of the mountain and boldly projects over the abyss. The unique shape of the roof structure is particularly impressive, and reminiscent of the two outstretched wings of a bird about to take flight across the sky.

The entire roof structures of the stations are illuminated by in-ground floodlights. The light reflected from the glass surfaces generates the required basic lighting. The luminaires are installed in the traffic areas below in quite different ways. Lighting solutions had to consider installations in both level and sloping ground surfaces or in steps. Apart from being able to adjust the light aperture angles, other important factors in solving this task were the installation depths of the luminaires and skid-blocking property of the glass. BEGA’s range of in-ground luminaires provided the technology to meet these requirements. A complete overview of our in-ground luminaires including technical data is given on pages 302 - 315 of our Main Catalogue.
The light reflected by the glass surfaces of the roof structure creates very uniform base lighting. The requisite safety illuminance for public spaces is achieved by a combination of direct lighting components. Shielded recessed floodlights installed in walls near ground level illuminate the traffic areas. The asymmetrical light distribution of the floodlights is especially suitable for in-depth illumination of these surfaces. The luminaires are characterized by their high level of efficiency and glare-free properties. At the same time, they are reference points and structure the space. Available in five sizes with different light outputs, the design of the floodlights is in perfect harmony with the architectural dimension and installation situation.

The light effect of the stations was already considered during the planning stage. All in-ground and recessed wall luminaires are set in the concrete structure and are therefore an integral part of the architecture. This connects the four stations together not only in terms of shape but also light design. The presentation of the roofs as structures of light with a long-distance effect fuses them into one element despite the distance they are set apart. A complete overview of the illustrated recessed luminaires including technical data is given on pages 14-15 of the BEGA Main Catalogue.
The cable-stayed suspension bridge over the Inn also bears the mark of Zaha Hadid. The bridge pylons are massive, taking up the sculptural shape of the stations and placing the structures in a clear context. Illumination of the 242 metre long cable-stayed suspension bridge underlines the dynamics of the railway track which winds its way like a floating light band over the Inn and through the pylons. The 30 metre high bridge pylons strikingly accentuate the cityscape by day and by night. Illumination with power floodlights particularly emphasizes their special shape and inclination.

Depending on the requirements of the location, these floodlights can be equipped with very narrow beam, narrow beam, wide beam or flat beam light distribution. The luminaires are operated with discharge lamps of 50 to 2,000 W. Three sizes with different light outputs ranging from 6,500 to 200,000 lumen are available to meet the diverse dimensions of the illuminated objects. Shields, inside louvres, dichroic colour effect filters in green, blue or yellow are supplied as accessories. These accessories can be used singly or in combination. A wide range of accessories is also available to install the floodlights reliably on pillars, walls, bases, luminaire poles and support structures. The complete programme including all technical data is given on pages 266-271 of the BEGA Main Catalogue.

The lighting concept of the Hungerburg railway reflects aspects of its natural surroundings and incorporates them in the cityscape at night. A distinctive ambience of light gives the stations and bridge their very own identity and Innsbruck another sightseeing landmark.
BEGA light building element for fluorescent lamps

Luminous design features (height 4600 mm) with flat beam light distribution for delineating and structuring outside areas. Flat beam, surface illumination is possible where light sources are spaced far apart. The top of the luminaire can be adjusted by 10°. These light building elements are equipped with electronic ballasts and operated with fluorescent lamps (55/80 W).
Single and double light building elements for fluorescent lamps

Protection class IP 65
Die cast aluminium, aluminium and stainless steel
Safety glass
Reflector of pure anodized aluminium
Electronic ballast
Adjustable slope angle 0° or 10°
Door and connection box 629
Luminaires including anchorage unit made of galvanized steel.
On request, we supply mounting base 833 for bolting to a foundation without extra charge.

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

---

**Single light building element**

<table>
<thead>
<tr>
<th>Lamp</th>
<th>Lumen</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø877</td>
<td>1 TC-L 55·80 W</td>
<td>6000</td>
<td>95x155</td>
<td>1100</td>
<td>4600</td>
</tr>
</tbody>
</table>

**Double light building element**

<table>
<thead>
<tr>
<th>Lamp</th>
<th>Lumen</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø878</td>
<td>2 TC-L 55·80 W</td>
<td>12000</td>
<td>95x155</td>
<td>2100</td>
<td>4600</td>
</tr>
</tbody>
</table>
Wall luminaire with flat beam light distribution
6000 lumen

Wall luminaire with flat beam light distribution for fluorescent lamps.
The light distribution of the luminaire is especially suitable for providing uniform surface illumination where light sources are spaced widely apart. Depending on location requirements, the luminaire can be adjusted by 10°. This wall luminaire is equipped with an electronic ballast and operated with fluorescent lamps (55/80W). All important technical data are given in the BEGA Main Catalogue or in the instructions for use for this luminaire.
Wall luminaire for fluorescent lamps

Protection class  IP 65
Die cast aluminium, aluminium and stainless steel
Safety glass
Reflector of pure anodized aluminium
Adjustable slope angle 0° or 10°
Electronic ballast

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

<table>
<thead>
<tr>
<th>Lamp</th>
<th>Lumen</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>4485</td>
<td>6000</td>
<td>95</td>
<td>1050</td>
<td>155</td>
<td>255</td>
</tr>
</tbody>
</table>
Unshielded wall luminaires

Unshielded wall luminaires with light output on all sides. The elongated shape of these luminaires with their square layout makes them especially suitable for installation on columns, wall pillars and wall faces. They provide lighting for impressive entrances, colonnades, corridors and large wall surfaces. These luminaires for fluorescent lamps are available in different dimensions and light outputs. Arranged singly or in groups, they are good design elements for a host of lighting tasks, both indoors and outdoors.
Wall luminaires for fluorescent lamps
Protection class IP 65
Die cast aluminium, aluminium and stainless steel
White plastic diffuser
Electronic ballasts
Free space of 50 % of the total height - B - is required above the luminaire for relamping and exchanging the glass.
Colour: graphite or silver
graphite – article number
silver – article number + A

<table>
<thead>
<tr>
<th>Lamp</th>
<th>Lumen</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>4425</td>
<td>36W</td>
<td>140</td>
<td>500</td>
<td>180</td>
</tr>
<tr>
<td>4426</td>
<td>55W</td>
<td>160</td>
<td>650</td>
<td>200</td>
</tr>
</tbody>
</table>
Luminaires for installation in ceilings or walls. This series is characterized by high light output, low projection and very shallow recessed depth. Available in four sizes with different light outputs, these luminaires can adapt to the requirements of the room. Their potential is further enhanced by their protection class IP 44. An easy-to-operate mounting system allows fast, economical and convenient installation. The hand-blown, three-ply opal glass covers the recessed opening and, despite its very shallow projection, illuminates the room and mounting surface uniformly.

The luminaires for fluorescent lamps are equipped with electronic ballasts.
Luminaires for a maximum wattage of 32 W can also be operated at 26 W.
All important technical data are given in the instructions for use for these luminaires.
Recessed ceiling and wall luminaires for halogen lamps and fluorescent lamps

Protection class IP 44

Hand-blown opal glass, sati matt, with thread

Die cast aluminium fitter

With 2 cable entries for through-wiring.

Luminaires for fluorescent lamps with built-in electronic ballast.

Installation housings are required when preparing recessed openings in solid ceilings and walls. Aluminium installation housings with 2 cable entries are given in the table.

Installation housings are accessories and must be ordered separately.

<table>
<thead>
<tr>
<th>Lamp</th>
<th>Lumen</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>8777</td>
<td>1 QT 14</td>
<td>40W</td>
<td>460</td>
<td>155</td>
</tr>
<tr>
<td>8785</td>
<td>1 TC-TEU</td>
<td>26W</td>
<td>1750</td>
<td>240</td>
</tr>
<tr>
<td>8796</td>
<td>1 TC-TEU</td>
<td>42W</td>
<td>3200</td>
<td>330</td>
</tr>
<tr>
<td>8787</td>
<td>2 TC-TEJ</td>
<td>32W</td>
<td>4800</td>
<td>420</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Installation housing</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>5097</td>
<td>250</td>
<td>95</td>
</tr>
<tr>
<td>5060</td>
<td>330</td>
<td>110</td>
</tr>
<tr>
<td>5061</td>
<td>420</td>
<td>110</td>
</tr>
<tr>
<td>5059</td>
<td>510</td>
<td>110</td>
</tr>
</tbody>
</table>
Luminaires for installation in ceilings or walls. This series is characterized by high light output and very shallow recessed depth. Available in four sizes with different light outputs, these luminaires can adapt to the requirements of the room. Their protection class IP 44 further enhances their potential use for many applications.

An easy-to-operate mounting system allows fast, economical and convenient installation. The hand-blown, three-ply opal glass distributes the light uniformly in the room. The glass surface is flush with the mounting surface. When illuminated, this produces an interesting contrast between luminaire and mounting surface.

The luminaires for fluorescent lamps are equipped with electronic ballasts. Luminaires for a maximum wattage of 32 W can also be operated at 26 W.

All important technical data are given in the instructions for use for these luminaires.
Recessed ceiling and wall luminaires for halogen lamps and fluorescent lamps
Protection class: IP 44
Hand-blown opal glass, satin matt with thread
Die cast aluminium fitter
Metal ceiling frame ring
• white enamel RAL 9010
With 2 cables for through-wiring.
Luminaires for fluorescent lamps with built-in electronic ballast.
Installation housings are required when preparing recessed openings in solid ceilings and walls. Aluminium installation housings with 2 cable entries are given in the table. Installation housings are accessories and must be ordered separately.

<table>
<thead>
<tr>
<th>Lamp</th>
<th>Lumen</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>8776</td>
<td>1 QT 14</td>
<td>40 W</td>
<td>460</td>
<td>195</td>
</tr>
<tr>
<td>8779</td>
<td>1 TC-TEL</td>
<td>26 W</td>
<td>1750</td>
<td>245</td>
</tr>
<tr>
<td>8780</td>
<td>1 TC-TEL</td>
<td>42 W</td>
<td>3200</td>
<td>340</td>
</tr>
<tr>
<td>8781</td>
<td>2 TC-TEL</td>
<td>32 W</td>
<td>4800</td>
<td>430</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Installation housing</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>5096</td>
<td>290</td>
<td>110</td>
</tr>
<tr>
<td>5099</td>
<td>350</td>
<td>120</td>
</tr>
<tr>
<td>5100</td>
<td>445</td>
<td>120</td>
</tr>
<tr>
<td>5101</td>
<td>535</td>
<td>120</td>
</tr>
</tbody>
</table>
Unshielded wall luminaires in five different lengths. Powerful luminaires with a glass element enclosed at both ends by metal cylinders. Hand-blown, three-ply opal glass and precise metal parts in perfect harmony.

The high protection class IP 65 opens up a broad field of application - for example also in bathrooms or wellness areas.

Wall luminaires for a host of applications - arranged singly or in groups.
An inner mechanism allows the glass to be swivelled in and out for relamping so they can also be installed horizontally or vertically in niches between walls. Necessary planning data and technical data are given in the instructions for use for these luminaires.
Wall luminaires for halogen lamps and fluorescent lamps
Protection class IP 65
Hand-blown opal glass
Metal parts
Surface finish optionally
• stainless steel
• chrome
Luminaires for fluorescent lamps with built-in electronic ballast

An inner mechanism allows the glass to be swivelled in and out for relamping.

<table>
<thead>
<tr>
<th>Surface finish</th>
<th>Chrome</th>
<th>Lamp</th>
<th>Lumen</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>0641 6645</td>
<td></td>
<td>2QT 14 40W</td>
<td>920 350 80 115</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0642 6646</td>
<td></td>
<td>3QT 14 40W</td>
<td>1580 500 80 115</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0643 6647</td>
<td></td>
<td>4QT 14 40W</td>
<td>1840 600 80 115</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0644 6648</td>
<td></td>
<td>1TC-L 18W</td>
<td>1200 350 80 115</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8728 8789</td>
<td></td>
<td>1TC-L 24W</td>
<td>1800 500 80 115</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8729 8790</td>
<td></td>
<td>1TC-L 36W</td>
<td>2600 600 80 115</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8730 8791</td>
<td></td>
<td>2T-16 24W</td>
<td>3500 700 80 115</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8731 8792</td>
<td></td>
<td>2T-16 39W</td>
<td>6200 1000 80 115</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>