

Lightletter by Hess

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Hess . A Member of the Nordeon-Group

Birmensee-Stufers, Heiligenhafen, VIGO

Dear Sir or Madam,

Specially manufactured lighting solutions accentuate urban and civic amenities in a distinctive way. A project recently implemented by Hess in the Baltic coastal spa town Heiligenhafen in Germany is an impressive example of this. With new VIGO illuminating columns and specially made luminaires in the shape of sailboat masts, the renovation of the promenade by the inland lake reveals this holiday destination's maritime flair at first glance.

The VAREDO collection by Hess is designed to accommodate a host of different requirements within urban spaces. Designer Jean-Marc Schneider has created for Hess a new generation of luminaires and site furnishings that give lighting designers and landscape architects maximum freedom when designing public spaces. In an interview, Schneider spelled out what is special about VAREDO and the criteria that proved important during the creative process.

Four new informational brochures in the „licht.wissen“ series are now available to download from the licht.de website (initially in German only). These publications focus on topics such as roads, paths and squares and sustainable lighting, as well as addressing the latest aspects of standard-compliant illumination, information on the basics of lighting, practical examples and more.

Our LEDIA product family includes illuminating tiles and strips. The lighting quality has been optimised following a technical update with CREE LEDs.

In addition, Hess integrated the new XICATO LED-module into its popular CITY ELEMENTS luminaire system. The module combines the efficiency of LEDs with ultimate colour stability throughout the full service life.

The Hess LIGHTLETTER covers other topics of interest too. We hope you enjoy reading the latest news.

With best wishes from the

Hess GmbH Licht + Form

Our Themes

- Jean-Marc Schneider – designer with vision
- Maritime points of light by the Baltic Sea
- LEDIA illuminating tiles and strips – update
- XICATO inside – Now all CITY ELEMENTS with LED technology
- Self-assessment tool for climate protection
- New edition “licht.wissen” brochures
- New Catalogues

VIGO

VAREDO demonstrates character

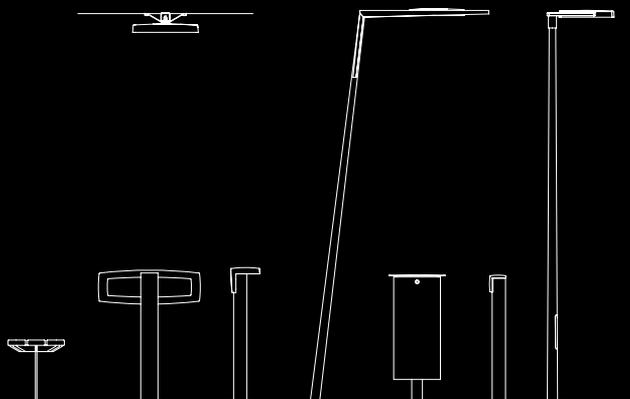
With VAREDO Designer Jean-Marc Schneider has created for Hess a new generation of luminaires and site furnishings that gives landscape architects and lighting designers maximum freedom when designing urban spaces. A unique design idiom, a high-quality feel and quality craftsmanship distinguish the VAREDO products that offer numerous combination options. We have spoken with Jean-Marc Schneider about the genesis process of VAREDO.

„The aim of VAREDO was an ideal combination of function and aesthetics.“

1. You designed the new VAREDO collection exclusively for Hess. What inspired you and which criteria played a role?

An idea that frequently occupies me as a designer is that things are complex before they become straightforward. In this sense, for me, every creation reflects reality to a certain extent.

With the VAREDO collection, simple shapes were important – free of any decorative details yet with their own character. It is precisely this character that makes the collection so unmistakable and at the same time gives it, its distinctive design.



An object's purity and simplicity should also mean that it outlasts trends and is not just a fad. Sustainability is an important keyword here, which calls for select materials and high build quality. It was extremely important to Hess that the VAREDO collection was realised in this spirit.

2. As for many models by Hess, the idea of family plays a primary role with VAREDO. What does this mean in practice?

Meeting the requirements of everyday life within public spaces. With its restrained lines this product family doesn't impose itself on urban spaces, but rather fits discreetly into the surroundings. It is primarily about fulfilling functional requirements. At the same time, the aesthetic aspect needs to be there – without overpowering existing elements of the street.



3. All models have a stringent design idiom. What did you want to achieve by this?

Assigning one shape to multiple objects and thereby creating a family allows you to bring together several functions for the public space. The colour scheme obviously forms part of this homogeneity.

Asymmetry and two-tone finishes are key features of the VAREDO collection. These principles are applied across the entire collection and are what make it unique. In my opinion, VAREDO's aesthetic value is also derived from professional, high-quality workmanship. Close collaboration with the engineers was a defining, crucial factor in the outcome.

4. Galvanised steel, Corten steel, pressure-impregnated ash, waxed pine – select materials are used to produce the products, giving the models their distinctive appearance. What added value do you see as a result of this?





The collection's added value lies in the natural beauty of the materials. What is more, the simple and restrained forms of the collection underline the surface structure and texture of the chosen materials.

Depending on the intensity of daylight, the use of wood and stainless steel in conjunction with the products' high-quality surface treatment creates colour play and structural combinations full of nuances.

5. VAREDO stands for a multitude of possible combinations. Is there a trend you are wanting to do justice to? What is your objective?

The underlying idea is a flowing design for the public space. For example, VAREDO benches pick up on the dynamism of the space in their gently curved form. This effect is further emphasised when combined with a second bench or a planter. It also visually differentiates VAREDO benches (with or without backrest) from the conventional profile of a public bench seat. Furthermore, VAREDO benches have unfamiliar proportions which complement increasingly linear urban structures.

In actual fact, the multitude of possible combinations is a core feature of the VAREDO collection. The VAREDO design concept is based on mimicry or the chameleon principle according to which the colour, material and combination of products can be adapted to suit the surroundings. This mutability and adaptability is what makes the collection so appealing and gives it its unmistakable character.

Personal

Jean-Marc Schneider is a freelance designer with a broad spectrum of work: The expert has already contributed to the design of motorcycles and perfume bottles. His claim is an optimal relationship between aesthetics and function at all times.

In addition, topics such as indoor and outdoor lighting as well as the design of urban spaces characterize his work. "Street furnishing is a preference issue for me indeed. These items, which are intended for the public space, face the world of urban architecture and are aligned to it. In this respect, these items have a special determination", summarizes Jean-Marc Schneider.

Along these lines, the expert has designed several products for the lighting and street furnishings specialist Hess. Among others, the tree grates VERONA and SERPO, the lighting column VIGO and the pole mounted luminaire CANTO, which has been awarded with the German iF product design award in 2000.

Hess' luminaire SERA, which was designed by him, was multiple times awarded, too. In 2005, the Light Fair New York honored the design quality of the luminaire with the „Best of Category Award for Exterior Luminaires, Lighting Site and Roadway“. The Euro region Neisse-Nisa-Nysa gave the SERA model the tri-national Innovation Award „Innovation 2006“ in the category „Best Innovation“.

Jean-Marc Schneider is currently working on exclusive wooden structures for the garden ranging from high-quality benches over garden pavilions to roofed seats. An overview of his designs can be found under www.lenia.fr



VAREDO-FILM



Maritime points of light by the Baltic Sea



Redesign of the inland lake south bank in Heiligenhafen

Untouched coastal landscapes, endlessly long sand beaches, historic manor houses, and a picturesque old town – the Baltic Sea spa Heiligenhafen in Schleswig-Holstein offers numerous places of interest and attracts as the „sun deck at the Baltic Sea“ many visitors throughout the year.

With the redesigned lake's south promenade, reaching from the marina in the East to the holiday park in the West, Heiligenhafen created another tourist attraction; Now the approximately two kilometres long promenade offers separate bicycle and foot paths, play areas, and respite islands – some of them with square-like wooden walkway areas - that invite passers-by to take a break on rotating loungers and seats.

In the evening hours, elegant illuminating columns of the type VIGO by Hess immerse the wooden decks in ambient light, while at selected sites on the promenade, specially made luminaires that look like sail boat masts enhance orientation.

Lighting solution as an experience

Colour accents emphasize the maritime flair.

In the plans for improving the attractiveness of this promenade, developed by landscape architect Arne Siller, illumination plays a vital role as an ambient and design feature. „The idea was to use diverse lighting designs to make the promenade more accessible during evening and night hours and ensure a high feel good factor,“ summarises the designer on the basic idea of his lighting concept.

Now twenty four 4 metre high VIGO illuminating columns, positioned in small groups at the wooden decks, light the surroundings with their 1,620 mm long cylindrical luminaire bodies and generate attractive lighting effects with their controllable

LED-RGB modules. 8 pre-set programs allow for a simultaneous and soft colour change, for example from the red shades of the evening sun to the blue nuances of the water.

Sign posts with mast, boom, and sail

Ten „sailing luminaires“ along the promenade represent the sailing sport so typical of Heiligenhafen and also serve as sign posts indicating turn-offs to adjacent residential areas. The stainless steel and aluminum mast and boom structure with sail made from PVC coated polyester fabric was developed especially for this project together with Lehner Werkmetall in Nittendorf, Germany. Thanks to this special solution, it was possible to visualise the characteristics of Heiligenhafen and to guide the visitors' attention to them.

The sails come in different colours corresponding to their location. Their exact position (longitude and latitude) and the next destination are printed on the sails. A light band integrated into the boom illuminates the sail from both sides. A beacon on top of the mast makes orientation during the evening hours easier. During this time of day, many visitors come to the promenade to enjoy the end of their hectic day with ambient lighting and the sounds of the Baltic seaside.

Designer and participants

Client: City Heiligenhafen

Planning: Siller Landschaftsarchitekten, Kiel, www.la-siller.de

Civil engineering and landscaping works: Groth & Co.

Bauunternehmung GmbH

Luminaires: VIGO illuminating column and specially designed sail luminaires by Hess/Lehner Werkmetall

LEDIA LED lighting effects

New: CREE LEDs inside

Embedded into walls or floors, illuminating tiles and illuminating strips from the LEDIA series by Hess open up a diverse range of possibilities when it comes to creative lighting effects. The models' light quality has been optimised following a technical update with CREE LEDs. In practice this means higher luminous power with more vibrantly coloured lighting effects.

More light – better effects

Now, with CREE LEDs, what goes on inside the maintenance-free LEDIA illuminating tiles and strips is completely different. Key benefits of this technical development are approx. 30 percent higher luminous efficacy, exceptionally high luminance and more vibrantly coloured lighting effects. Due to this conversion, we will be offering illuminating tiles and illuminating strips from the LEDIA family with 24 V and 12 V performance levels in the future.

To enable both interior and exterior lighting solutions to be tailored to specific projects, illuminating strips come in four different lengths. Illuminating tiles are also available in four sizes to match different paving grid patterns. The six lamp colours available are warm white (3000 K), cold white (6500 K), blue (470 nm), green (527 nm), red (624 nm) and orange (591 nm). There is also an RGB option (R = 622 nm, G = 530 nm, B = 470 nm). Load capacity: For in-ground installations, the tough luminaire cover is made of single-pane, tempered safety glass for a rollover capacity of max. 5 tonnes.



Special-LIGHTLETTER
Light + Building



Download

XICATO inside – Now all CITY ELEMENTS with LED technology

Whether for modern or historical architecture, whether for object or vegetation lighting, the new XICATO LED module introduces a fundamental change to the world of illumination. It is a fundamental change because XICATO combines the efficiency of LEDs with ultimate colour stability.

Colour stability at the highest level

During the course of its life cycle a light source changes its colour. How this change is perceived depends significantly on the light source technology employed and on the design of the lighting installation.



The colour temperature shift is a result of the LED ageing process, meaning the light colour of the LED changes with progressive age and use. When in use LEDs convert approx. 40% of the consumed energy into heat. The more unnecessary and „harmful“ heat is produced, the faster the colour temperature shift occurs.

Thanks to XICATO’s patented Corrected Cold Phosphor Technology© heat generation is sustainably reduced. This ensures a high colour stability, which is guaranteed for the full service life of the module with a minimum of 50,000 hours.

Hess integrated XICATO into its successful CITY ELEMENTS luminaire system. Used in the light technology of the AS elements (terminating element with lateral light outlet) and the BS/BHS elements (intermediate element with lateral light outlet) of the CITY ELEMENTS, XICATO allows the advantageous combination of colour stability and colour rendering (Ra ≥ 80) for the illumination of facades. Using different reflectors allows for the selection of rotationally symmetrical illumination angles between 10°, 25°, and 40°; which in turn offers a wide range of applications.

Now all multifunctional CITY ELEMENTS illuminating columns are available with LED technology. A simple maintenance concept, for example thanks to the complete replacement of the module with a bayonet connector and only three screws complement this coherent further development.

CITY ELEMENTS Configurator
www.hess.eu/3700

Online tool for combating climate change at municipal level



The EU energy efficiency directive and the German federal government’s targets on climate change means that towns and municipalities are required to play an active part in mitigating climate change. What specific actions can be taken in practice? An online tool designed specially for towns/cities and municipalities at www.benchmark-kommunaler-klimaschutz.de provides information about.

Four new “licht.wissen” knowledge brochures



Lighting industry website www.licht.de has made four new brochures available for download as part of its „licht.wissen“ series of publications. Focusing on topics such as roads, paths and squares, renovations in commercial settings, the impact of light on human beings and sustainable lighting, these brochures contain the latest knowledge from the industry with selected practical examples.

New Catalogues



New Products. Updated techniques. Not forgetting our new catalogues of course. Three in number. “Lighting”, “Site Furnishings” and “Avanguardia 2”.

It would be our pleasure to present these catalogues to you in person. Alternatively, you can download them from the website at www.hess.eu or order your own copy at <http://www.hess.eu/en/Service/Katalogbestellung/>