

Helvar

ISSUE 1/2013

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THE NEW KABUKI-ZA

Atmosphere of
predecessor

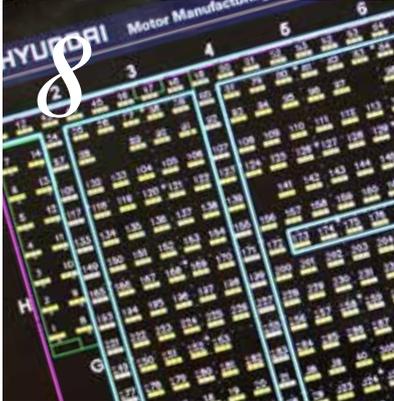
GRAND HÔTEL

Grand
experience
of light

freedom in lighting



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Images on page 2:

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- Grand Hôtel
- LDA



Editorial

Helvar

HELVAR is a specialist in energy-efficient components and solutions for lighting and lighting control systems. We are an independent, non-competing partner to our customers: luminaire manufacturers, electrical and lighting designers, electrical contractors and specifiers.

As the lighting industry's leading expert in energy-efficient applications, we help our customers create innovative lighting solutions where the savings are clear and measurable.

Our understanding of lighting components, electronics and control systems, combined with our independence as a supplier, is unique in the industry.

For more information on Helvar, please go to www.helvar.com

Freedom of choice in lighting

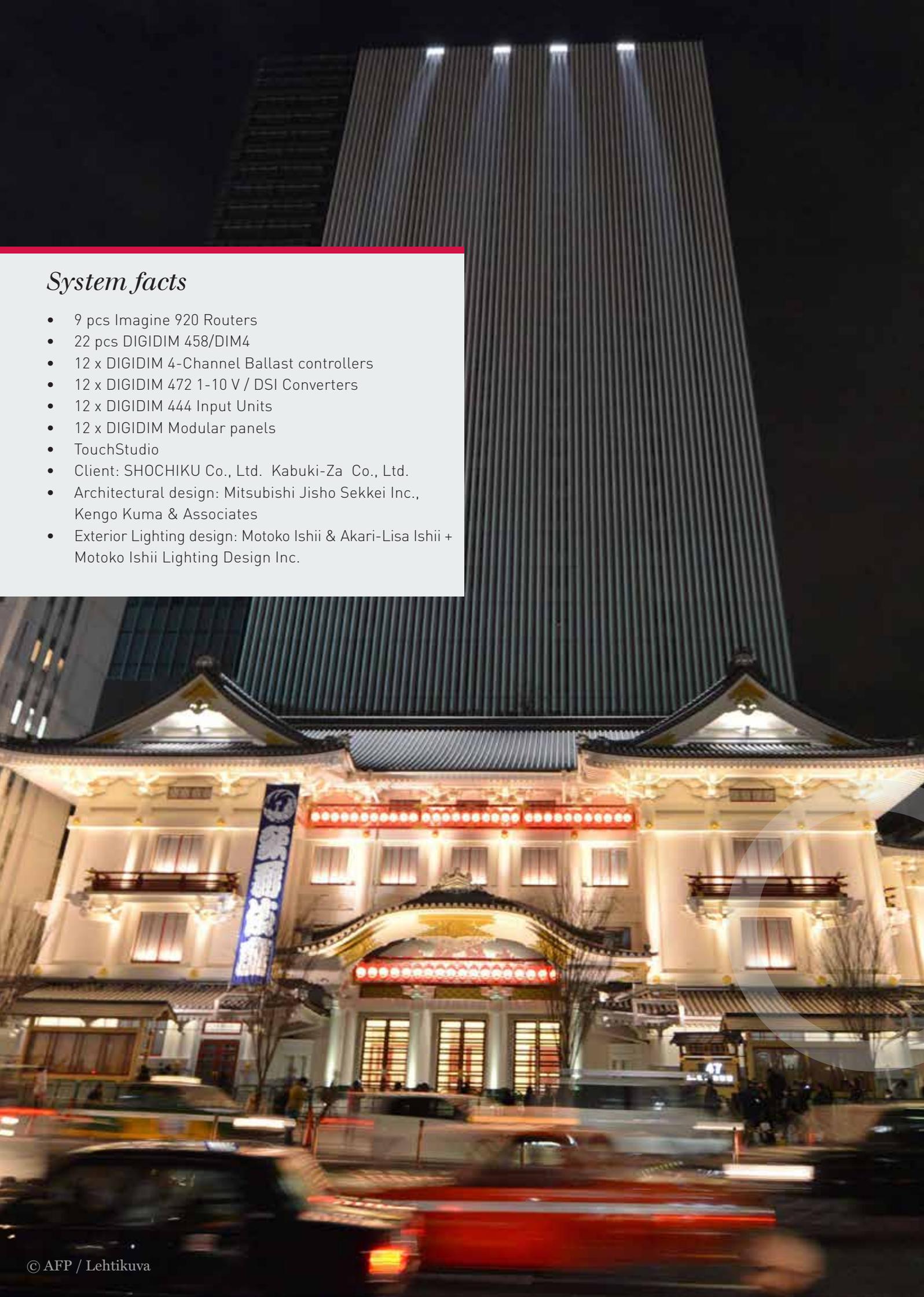
GROWING AWARENESS of lighting have changed significantly our demands for better environment . We want to have more than just basic lights around us – we ask for high quality lighting and we expect it to be optimal, practical and dynamic for our needs. All this is achievable thanks to the vast development in light sources and in lighting control technologies.

When the lighting system is designed to meet the optimal lighting criteria, it mostly means high energy efficiency as well. Greener building regulations, growing awareness of our environment and rising energy prices are driving the lighting solutions towards energy savings too.

The new technologies, especially LED's, call for new products and solutions with unprecedented speed. Helvar is committed to the accelerating speed of development, investing more than ever to our R&D work. Driving our decisions is the need to ensure our ability to adapt to the changing customer needs in the on-going technological changes. As a result of our investments a significant number of products have been launched. These include among others energy-efficient LED drivers and lighting control products and systems. This gives a clear advantage to our customers by providing unique freedom in lighting: with our products and solutions based on open-source technology, our customers can design lighting systems and solutions according to their choice.

Our long term investments in the product quality, functionality and system compatibility give a strong basis to our customers and partners to turn their lighting ideas into reality for the benefit of the whole value chain.

Asko Kallonen
Managing Director



System facts

- 9 pcs Imagine 920 Routers
- 22 pcs DIGIDIM 458/DIM4
- 12 x DIGIDIM 4-Channel Ballast controllers
- 12 x DIGIDIM 472 1-10 V / DSI Converters
- 12 x DIGIDIM 444 Input Units
- 12 x DIGIDIM Modular panels
- TouchStudio
- Client: SHOCHIKU Co., Ltd. Kabuki-Za Co., Ltd.
- Architectural design: Mitsubishi Jisho Sekkei Inc., Kengo Kuma & Associates
- Exterior Lighting design: Motoko Ishii & Akari-Lisa Ishii + Motoko Ishii Lighting Design Inc.

歌舞伎

TEXT Kitada Tomikazu, SOLX

PICTURES SOLX, AFP/Lehtikuva

Tokyo's new Kabuki-za theatre opened with great fanfare and the sounds of taiko drums on April 2 in the upscale Ginza shopping district.

Atmosphere of predecessor

THE EVENT marked the first day of “Shigatsu Dai-Kabuki,” part of a yearlong programme to celebrate the opening of the new theatre. More than 2,000 people gathered at Kabuki-za, forming long lines in front of ticket sales counters.

THE FIFTH VERSION

The Kabuki-za theatre has a long history dating back to 1889. Until today, the theatre has gone through many rebuilds and renovations after being damaged by earthquakes, World War II and other unlucky disasters. In 2010 the fifth version of the building was demolished due to worries over its ability to withstand earthquakes as well as accessibility issues. Now the four-storey historical landmark of Tokyo is embraced by a 143-metre, 29-storey office skyscraper, the “Kabuki-za Tower”, giving outstanding visibility to the recently opened hi-tech theatre.

365 DAYS OF LIGHT

Despite being completely rebuilt, the theatre has preserved the look of the previous building that was considered as a cultural heritage. The bright white walls, beautifully carved details and impressive entrance are illuminated with a spectacular, carefully designed light show that highlights every single detail of the building.

The multiform facade lighting creates a mood of coolness in summer and warmth in winter, while the duration and intensity of the lighting changes subtly, according to Japan's changing seasons or corresponding to evening and early-morning sunlight. The tiled, karahafu-styled roof is being bathed in light from the top of the high-rise Kabuki-za Tower creating the image of the everlasting moonlight since the Edo Period (1603-1867), when the history of kabuki begun.

The monumental illumination is designed by internationally renowned lighting designer Motoko Ishii and her daughter Akari-Lisa Ishii, who made a great effort to create as energy efficient lighting solution as possible. As the facade lighting performance is shown from early evening to early morning 365 days a year, the efficiency plays a vital role in the cost point of view of the lighting.

Scan the code with your smart phone to see the Kabuki-za theatre in its evening glory via 360 Cities:



INSIDE PERFORMANCE

Like the external appearance, the inner portions of the new theatre, such as the lobby, audience seats and stage, are done in similar styles to the previous theatre. Updates to the technology used in the theatre enhance the visitor comfort and safety, including the Helvar lighting system in all public areas. The delicate but efficient lighting gives the stage for the extravaganza kabuki performances.

Commissioned and programmed by Helvar System Partner SOLX Co. Ltd. in Japan, Helvar 920 Imagine Routers create the backbone for the entire system, including the complex programming of the facade lighting to the efficient lighting control system in all public areas of the theatre. The Kabuki-za is the shining star of Tokyo's Ginza district once again.

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Updates to the technology used in the theatre enhance the visitor comfort and safety.

INTRODUCING SOLX

SOLX Co. Ltd. is a Helvar System Partner from Japan. Located in Tokyo, the active team of SOLX has worked together with Helvar since 2000.

SOLX is a professional DALI expert with fabulous projects around Japan. They are also educating DALI and Helvar lighting systems to other companies and growing awareness of our products and systems in Japan. As the SOLX team says: “We try to be the best!”





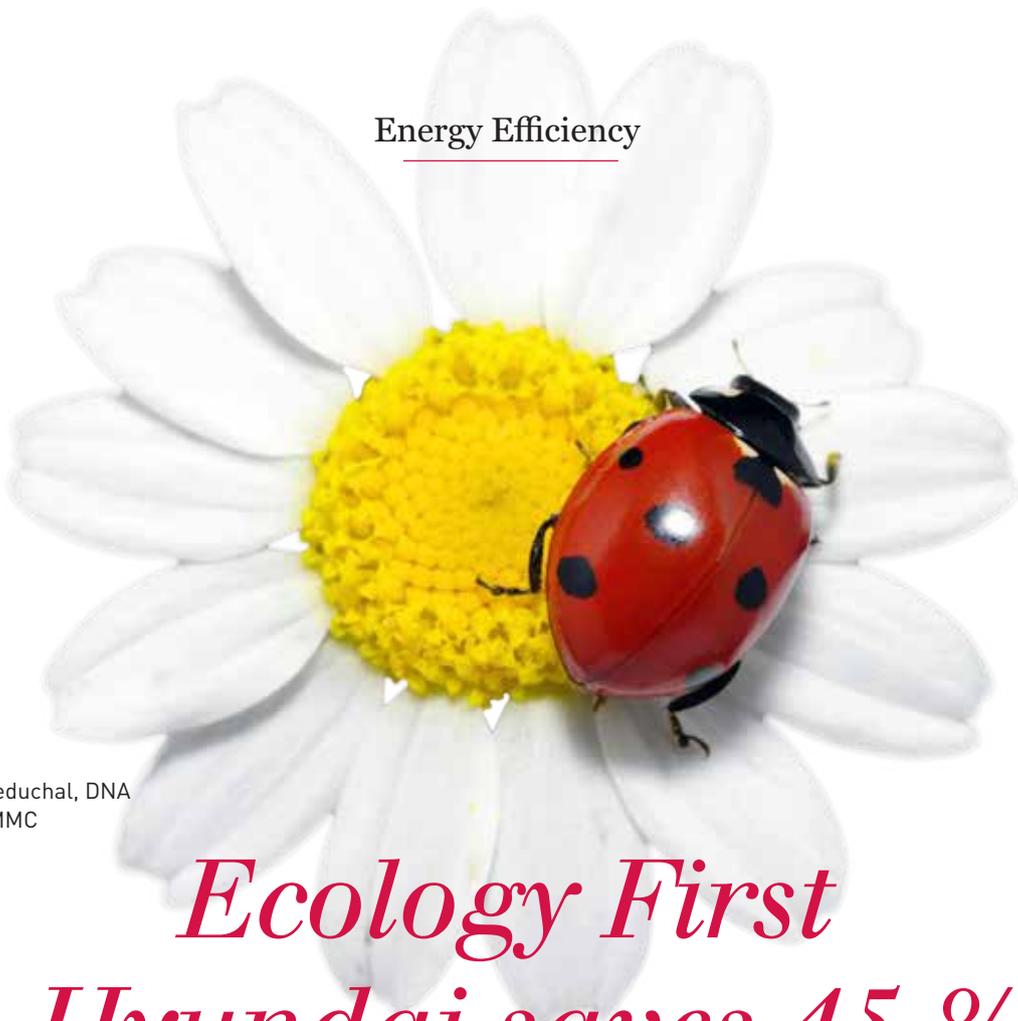
Kabuki

Kabuki is a traditional Japanese form of theatre that has captured the hearts and minds of audiences from its appearance at the beginning of the seventeenth century to the present day. It is recognized as one of Japan's three major classical theatres and has been named as a UNESCO Intangible Cultural Heritage.

Plays range from realistic tragic dramas to fantastic adventure stories. Music and dance are skillfully employed, bringing to life characters from the Japanese past, both real

and imaginary. Kabuki is an art form rich in showmanship. It involves elaborately designed costumes, eye-catching make-up, outlandish wigs and the exaggerated actions performed by the actors.

Dynamic stage sets such as revolving platforms and trapdoors allow for the prompt changing of a scene or the appearance/disappearance of actors. The various elements combine to produce a visually stunning and captivating performance.



TEXT Josef Neduchal, DNA
PICTURES HMMC

Ecology First *- Hyundai saves 45 %*

Hyundai Motor Manufacturing Czech (HMMC) is perceived by the experts as the most modern car manufacturing plant in Europe. Since the very beginning of construction in 2007, environment management has been one of the plant's priorities.

The HMMC plant, a fully-owned subsidiary of Seoul-based Hyundai Motor Co., spreads out on a 200-hectare area in the industrial zone of Nošovice in the Moravian-Silesian region of the Czech Republic.

The production capacity of the plant is massive: in 2012 it produced 303.000 Hyundai cars for European markets. Beside cars, the plant has a capacity to produce 530 000 transmissions in a year. With 3.500 employees, working safety and optimal workstation lighting is essential for the well-being of the employees. Having 28.3 hectares of buildings and halls, electricity used on lighting is big part of the operational costs of the plant.

ECOLOGY FIRST

Ranked as the world's most innovative automaker in 2012*, Hyundai is also an innovator and promoter of environmentally friendly solutions. With its motto "Ecology First", the company is trying to clearly demonstrate its attitude towards global problems in the field of climate change. Environment Management is proactively pursued and energy savings is a big part of the efficacy and environment friendliness in the whole Hyundai corporate, not only in this factory.

LESS ENERGY, MORE SAVINGS

To reduce energy consumption and to create a more flexible lighting solution, the company decided to replace

the existing lighting system in the production halls. Other investor requirements for the new lighting were reliability, automatic control with manual modes, central administration from PC's, well-arranged visualization of the lighting system, scheduled lighting scenes and easy maintenance.

“With its motto “Ecology First”, the company is trying to clearly demonstrate its attitude towards global problems in the field of climate change.

The project started by replacing almost a thousand discharge lamps with fluorescent luminaires which immediately reduced the power consumption by 22 %. Each fluorescent luminaire is equipped with three Helvar EL2x54iDim DALI ballasts. The power consumption was further reduced by 30 % with the intelligent lighting system that was designed and installed by DNA, the Helvar System Partner in Czech Republic.

The backbone for the lighting system are the Helvar DIGIDIM 910 Routers that deliver information from the thousands of DALI components to the control unit that sends commands to the luminaires according to the received information. The luminaires are controlled one by

System facts

- 2853 x EL2x54iDim DALI ballasts
- 24 x DIGIDIM 910 Routers
- 8 x DIGIDIM 498 8 channel Relay Units
- 7 x DIGIDIM 942 Input Units
- Helvar Designer Software
- Helvar TouchStudio Software



The luminaires are controlled one by one at each workstation or as groups in areas like corridors based on time schedules and information from the daylight and motion sensors.

one at each workstation or as groups in areas like corridors based on time schedules and information from the daylight and motion sensors. For example, at lunch hour the corridors are lit brighter and the workstations are dimmed down. The system can be programmed in daily, weekly and monthly basis up to 5 years in advance, with planned downtime and holidays.

“*The annual savings on electricity compared to the original lighting system is calculated to be over 3.3 Million CZK - about 137.000 EUR.*”

EASY VISUALIZATION TO CREATE MORE CONTROL

Despite the fully automatic and programmed system, the lighting can also be controlled manually using control panels or from the central PC's. The whole system is visualized in a computer showing the current state of each individual luminaire or groups and allowing to modify the system parameters without the need of expert knowledge of

the system programming. The users can program, control and monitor the whole system according to their own requirements. Up-to-date information about all luminaires and the system status are clearly graphically displayed to the user only a few seconds after the application is started.

The intelligent lighting management system and efficient components from Helvar created an optimal lighting solution that fulfilled all of the investor's requirements and needs for the plant's lighting. High variability of configuration options of the whole system provides a very efficient system operation and maximum savings on the consumed electricity.

The annual savings on electricity compared to the original lighting system is calculated to be over 3.3 Million CZK (about 137.000 EUR) – that is 46 % less energy used for lighting.

**) Boston Consulting Group: The Most Innovative Companies 2012*



Having 28.3 hectares of buildings and halls, electricity used on lighting is big part of the operational costs of the plant.



Original lighting system

- 961 discharge lamps 400 W 3.5 A with consumption of 449 W
- Total installed power consumption: 961 pieces * 449 W = 431.5 kW
- Annual operation: 7,000 hours
- Annual consumption: 431.5 kW * 7,000 h = 3,020,500 kWh = 3,020 MWh

¹⁾ at the price 2.40 CZK / 1kWh

New lighting system

- 961 pieces of fluorescent lamps with consumption of 349 W
- Total installed power consumption: 961 pieces * 349 W = 335.4 kW
- Annual operation: 7,000 hours
- Savings with the DALI control: 30 %
- Annual consumption of electricity: 335.4 kW * 7,000 h * 0.7 kWh = 1,643,460 kWh = 1,643 MWh
- Annual savings on electricity¹⁾: **3,304,896 CZK = 46 %**



TEXT lightingeurope.org / Ritva Lakkonen, Helvar
PICTURES Johan Stenberg, Helvar

LIGHTINGEUROPE

Stronger voice of the lighting industry

*LightingEurope will unify the strengths of the industry,
becoming the main platform for development and
communication of industry positions; shaping the future
of lighting in Europe and globally.*

THE LIGHTING INDUSTRY in Europe is facing unprecedented challenges and exciting opportunities with the transition to new technologies. The industry is evolving, reinventing its approach to lighting to meet the needs of the 21st century. On 5 December 2012 interested companies and national associations active in the lighting sector gathered in Brussels to found the new European lighting association. LightingEurope will unify the strengths of the industry, becoming the main platform for development and communication of industry positions; shaping the future of lighting in Europe and globally.

LightingEurope is an industry association representing European lighting manufacturers and national lighting associations. It replaces former associations: the European Lamp Companies Federation (ELC) and the Federation of National Manufacturers Associations for Luminaires and Electrotechnical Components for Luminaires in the European Union (CELMA).

The newly formed LightingEurope is an industry association representing 31 leading European lighting manufacturers and national lighting associations. Through its members, LightingEurope employ over 100,000 people in Europe and represent an annual turnover estimated to exceed 20 billion euros.

As a new and united association LightingEurope will be a strong voice of European lighting industry. The association represents fairly and balanced both national organisations as well as companies of all sizes.

LightingEurope has defined its mission as follows: LightingEurope is committed to innovation, sustainability, quality and leadership in lighting. It contributes to shape policy and establish industry standards and guidelines. LightingEurope is dedicated to promoting efficient lighting practices for the benefit of the global environment, human comfort, and the health and safety of consumers.

LightingEurope will be focusing on several strategic areas and specific working groups will be built up around these focus areas.

The way of working is supported by Associations' committee which will alert of national issues of European relevance and enhance the exchange of information and experience between countries. One important task is to prepare and disseminate marketing information to educate the national markets about lighting issues.

Strategic focus areas

SMART LIGHTING: Develop the EU wide industry instrument about lighting system performance to improve the quality of lighting and make significant energy savings via the correct design, installation, operation and maintenance of the lighting systems.

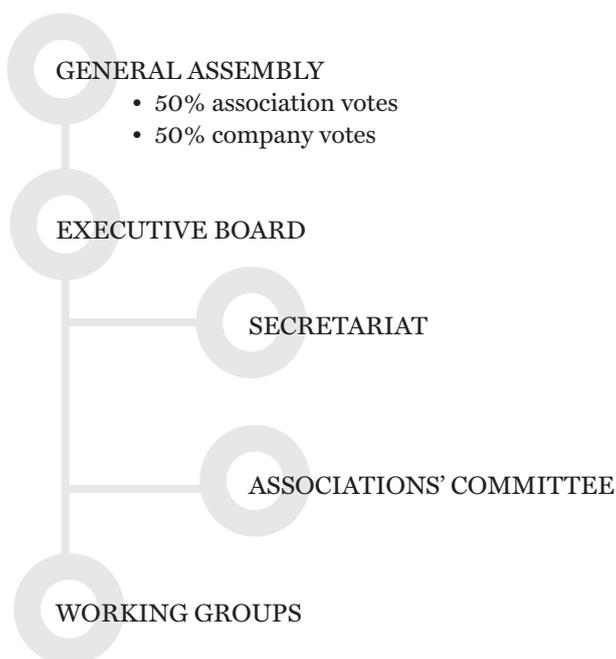
LIGHT FOR LIFE: Develop the new insights of effects of biological efficiency of lighting. Lighting is more than energy savings alone: personal and economic benefits, health and safety, sustainability .

SSL FUTURE: Develop the opportunities arising from the EU Green Paper on Solid State Lighting.

COOL RULES: Secure a level playing field for all companies on the European market, a.o. by stimulating functioning market surveillance and effective labelling.

BE LOUD: Increase level of awareness and importance of lighting and build image.

Organization



Markku Norhio to board

Helvar is having an active role in this new association. Markku Norhio has been elected as a member of the Executive Board through his position in the Finnish lighting industry association for lighting, AFLE. This is continuation to his role as the longtime chairman of the CELMA Active components working group. Furthermore he has been involved in lighting standardization over 30 years now being the chairman of the IEC control gear subcommittee 34C, and the chairman of the Finnish National committee for lighting (AFLE) and chairing the sector committee for lighting in the Finnish National Committee (SESKO).

The Executive Board members of LightingEurope the Company and Association members (8+8):

- Mr. Dietmar Zembrot, President (ZVEI)
- Jan Denneman, Vice-President (Philips)
- Diederik de Stoppelaar, Treasurer (GE)
- Alfred Haas (Osram)
- Peter Hunt (The Lighting Industry Association)
- Thomas Walentowski (BLV)
- André ten Bloemendal (NLA)
- Peter Dillen (Havells-Sylvania)
- Jean Michel Trouis (Syndicat de l'Eclairage)
- Francois Séguineau (Toshiba)
- Johan Segers (AGORIA)
- Harald Sommerer (Zumtobel)
- Alfredo Berges (ANFALUM)
- Alvaro Andorlini (ASSIL)
- Klaus Breisch (Panasonic)
- Markku Norhio (AFLE)



TEXT Grand Hôtel Press / Harriet Harsto, Helvar

PICTURES Grand Hôtel

In the heart of Sweden's capital city, Grand Hôtel Stockholm stands proud in its envious position on the waterfront, facing out to the Swedish archipelago of the Nordic Sea.

Grand experience of light

SINCE 1874 this luxury hotel having the most expensive suite in Scandinavia has shared the good company of its neighbors, the Royal Palace, Old Town and National Museum. For the Grand Hôtel, Helvar has been the trusted partner in lighting renovation projects for years.

SURPASSING EXPECTATION

Behind the discrete façade of the Grand Hôtel have rock stars, celebrities and presidents found their place; it's been told, that the hotel has gathered a number of names of historical importance, from Martin Luther King and Princess Grace and Prince Rainier of Monaco to Frank Sinatra and Greta Garbo. Nobel Laureates and royalty have also made the hotel a home away from home. But it's not just celebrities who frequent the magnificent hotel. The hotel is also home to everyday bon-vivants, who want to indulge in the luxury, comfort and first-class welcome of a classic, five-star hotel at one of Stockholm's best addresses.

Being the only Swedish member of the luxurious Leading Hotels of the World and having two Michelin starred restaurants, the lighting has to be the best in quality and easy to use by guests and facility employees. Helvar has been involved with Grand Hôtel lighting for several years. The main reason for choosing Helvar is our fast and accurate support and the high level of specification and technical support and services.

FIRST PROJECTS

Having such a great historical significance, the famous ballroom Spegelsalen, "The Hall of Mirrors", has been designated a Swedish National Treasure. The lighting inside the Versailles inspired ballroom, is controlled with a Helvar DIGIDIM system. The spectacular, large chandeliers and a high load of incandescent lighting demanded for high power dimmers. With the DIGIDIM system including Helvar modular panels were easy-to-use scene setting functionalities created in order to light up this venue





“ *Behind the discrete façade of the Grand Hôtel have rock stars, celebrities and presidents found their place. The Cadier Bar is named after the Grand Hôtel founder, French chef Régis Cadier.* ”





that reflect the experience of the past and has mastered thousands of high class events, like the Nobel banquet during 1901-1929.

The Cadier Bar, named after the Grand Hôtel founder, French chef Régis Cadier, is a large and elegant bar located near the lobby. The bar has a Helvar Router based lighting control system to provide easy solution to light up the bar and seating areas. Customized lighting scenes from bright cleaning to intimate evening ambience ease the work of employees and please the customer.

NORTHERN ATMOSPHERE

Inside the 1400 m² Grand Hôtel Nordic Spa & Fitness one can enjoy the luxurious treatments under the smart lighting from Helvar. The challenge was to create lighting that generates the atmosphere without standing out. Inspired by the Nordic heritage, it was important that the lighting reflects the beauty and tranquility of the Swedish archipelagos - something that has become very popular within the hotel guests, celebrities and a number of international royals who have enjoyed the Spa treatments and the fully equipped Fitness Club during their stay.

EVERY ROOM IS ONE-OF-A-KIND

All Grand Hôtel rooms and suites are individually designed; each has its own distinct character and colourful history - ranging from traditional to contemporary in style. The

perfect balance between texture and pattern, furniture and space creates an opulent yet reassuringly comfortable environment in which to relax.

Helvar is involved in the intelligent lighting in a number of rooms and suites. Demand for user simplicity was initial and attention to detail is paramount when individually designing each space. To fit into the carefully designed décor, a uniquely designed Helvar modular panel fascias and push buttons were created.

“

The hotel is also home to everyday bon-vivants, who want to indulge in the luxury, comfort and first-class welcome of a classic, five-star hotel at one of Stockholm's best addresses.

For smooth dimming of the lights was Helvar 110 rotary panel chosen while 2-button panels control the non-dimmable light sources. The lighting in rooms and corridors reflect the time of the day and detect occupation of rooms. In addition to lighting, also floor heating and towel dryers in the bathrooms are controlled via the Helvar system.

All this is integrated into the Building Management and the Room Management Systems, which for example allows the heating and lighting to be set into certain levels in prior to welcome the guest and enhance the visitor comfort levels.

Some of the rooms and suites can be connected together to create larger suites. When rooms are connected, also the lighting and heating needs to adjust accordingly. Connecting and disconnecting the rooms' control systems is done with the "partition wall functionality", the unique feature of Helvar Router system.

THE COMMON FUTURE

The Veranda restaurant is a favorite gathering place for Stockholmers and visitors to the city. At the moment, it is under renovation and will be opened in September 2013. Having already many successful projects together, Helvar was chosen to provide a Helvar Router based lighting system to the renewed Veranda. In addition to the high quality lighting control solution to the restaurant, the Router system will bring the benefit to connect all Helvar controlled areas - bars, ballroom and rooms - into one, complete and efficient management system.

www.grandhotel.se/en

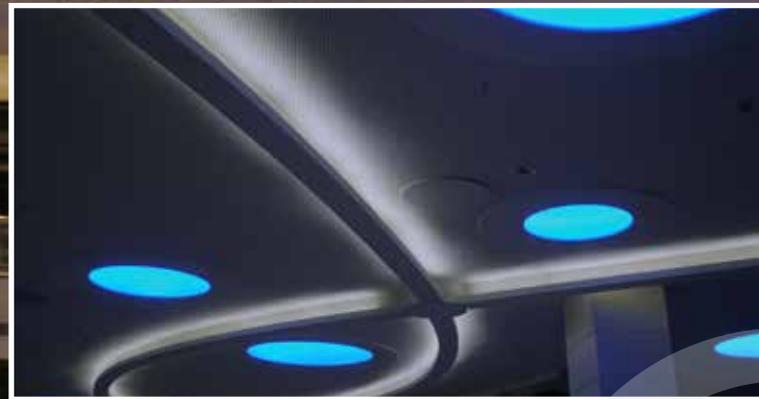


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Retail Lighting

Bluewater Shops at Helvar for new Control System



Bluewater is one of Europe's largest shopping and leisure centres and in the United Kingdom it became the blueprint for successful retail destinations following its opening in 1999.

THE SITE located in Dartford, Kent, boasts a huge variety of entertainment and shops from family play areas to the world's leading fashion houses. However, one area that needed a revamp was the Wintergarden which houses the food court. London-based Lighting Design International (LDI) was called in to see how it could help and deployed a Helvar lighting control system to bring new life to the old site.

The brief set by Bluewater was not to update but to completely transform the dated and poorly-lit Wintergarden to combine an exciting, contemporary aesthetic with improved functionality – making the space easier to navigate, encouraging visitors to return throughout the day and into the evening.

Upon its first visit LDI highlighted some obvious improvements that could be made to the existing halogen setup. Crucially, given the vast glass fronting of the area, there was no accounting for the fluctuating natural light levels and in general it was clear that effective lighting design had not previously been a major consideration.

LDI wanted to make visitor experience paramount, by enhancing daytime and evening ambiance, visual comfort and navigation, while adding feature lighting for improved atmosphere and charm. Increased levels of daytime illumination, less visual 'clutter', improved technology and energy saving were also essential prerequisites.

Featuring a Helvar 458 dimmer, the system operates via photocell and timed control so the ambient lighting changes throughout the day. Project designer, Graham Rollins of LDI has created specific scenes that utilise colour and gobos to increase drama and patterned effects. Ethernet and DMX control give maximum flexibility and variety of scene setting.

Connected to a Helvar router a number of LED dimmers react to feedback from the photocell sensor. During the day the sensor will override the system to deploy a lighting preset, depending on the external light levels. Settings account for a variety of scenarios including, Bright Day, Dull Day, Early Evening, Late Evening, Night, Cleaning and Off. Master control of the system comes via Helvar's 924 touch screen which is password protected to minimise use to just staff. A series of pages have been set up on the interface which allow staff to select different zones within the food court and set light scenes, plus a colour recall page for DMX colour changing.

It was important for spaces to feel impressive, light and voluminous during daytime, and then intimate during the evening. To create the desired engaging and contemporary look, LDI introduced a splash of colour with infinity coffers in the mall link, uplights to the trees in the atrium and roof

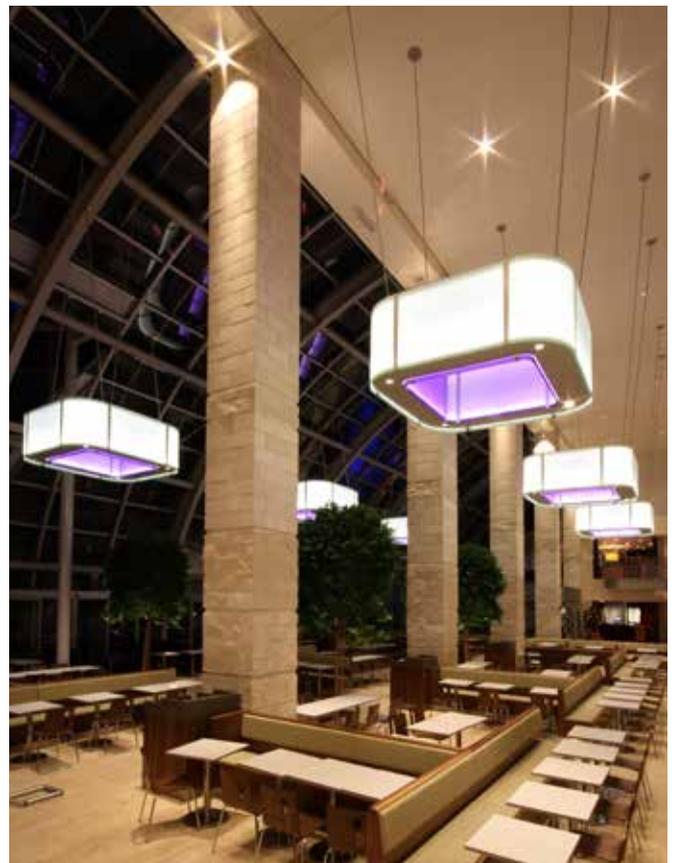
structure and refreshed colour uplighting to the iconic lake glass towers.

Coloured feature lights then linked the three individual zones (mall link, atrium seating, lower seating) with the same identity, while allowing white light to be dimmed to create a comfortable, cosy atmosphere during the evening.

Increase light levels to the mall access and ground floor food counters now provide a better balance compared with day lighting experienced in the central atrium. Lighting contrasts were historically too large, with daylight contributing over 7000lx in the atrium and patchy existing light levels ranging from 21lx to 120lx. LDI used an organic array of 2000lm 3000K Xicato dark light DAL downlighters to provide a minimum of 350lx. Light across the space is now colour consistent, high colour rendering and efficient with low glare.

Impressively low loads were achieved from the resulting configuration with an installed power density of 9.6W/sq m, daytime operational power density of 7.2W/sq m and evening operational power density being 3.2W/sq m.

The end result in the Wintergarden is now in keeping with the rest of the Bluewater retail and leisure spaces with extremely positive feedback having been received from issued from staff and customers alike. The revived space is functional, warm and welcoming with a lighting scheme that offers energy efficiency and the desired level of flexibility and adaptability over the course of a full day.



TEXT Ashley Balachandran, Wildwood Public Relations
PICTURES Lighting Design International LDI



TEXT Peter van der Kolk, Helvar

PICTURES Johan Stenberg, Helvar

DALI *organisational* *change*

A new and stronger organisational structure – Technical and Marketing workgroups promoting interoperability, global adoption and developing competences.

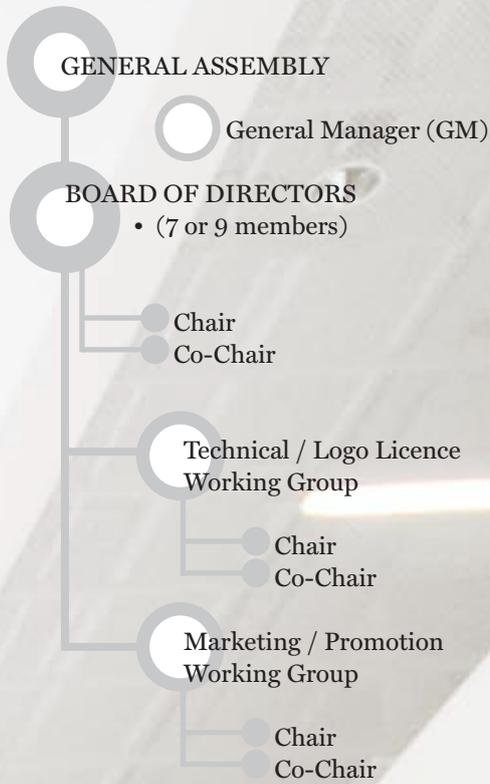
DALI (Digital Addressable Lighting Interface) has successfully been growing, both as a standard and as organisation since the 90's. With more than 70 international members DALI is the true standard for digital lighting. Recent figures show that DALI now represents over 65% out of all professional controllable fluorescent applications in Europe (source: ZVEI statistics).

Due to the increasing demand in energy saving, emerging LED solutions and awareness of Lighting Control systems, DALI has become even more important than before. Aiming to provide active participation opportunities to its growing members, grow market competences and continuously develop the DALI standard; AG DALI recently announced a new organisational structure with a new name. On 23rd November 2012, the extraordinary general assembly stated new rules for the new working party DALI. The working party will act under the statutes of the German electrical and electronic manufacturers' association ZVEI based in Frankfurt am Main. As a result of the organisational change

a new board of directors was appointed. Furthermore two new workgroups were set up for its members (effective from first quarter 2013) including a Technical and Marketing workgroup.

The Technical workgroup will actively work on all technical related matters. Its main objectives include the definition of technology roadmap, liaison with the IEC62386 technical committee and the implementation of the new logo licensing test procedure. For this purpose DALI will recruit a dedicated Technical Manager to help structure the workgroup activities. The logo licensing procedure has been defined aiming to increase the level of interoperability between the different DALI devices. In short all manufacturers will have to test their DALI devices on the official DALI tester, as well as comply with the IEC62386. Based on a successful test result the manufacturer can register their device and test results with the Logo License Administrator. The implementation for the logo license procedure is being prepared at present.

Organization



Recent figures show that DALI now represents over 65% out of all professional controllable fluorescent applications in Europe.

The Marketing workgroup will focus on strengthening its marketing communications, increase competences in the market and develop its training programme to support growing its members across the globe. Again a dedicated Marketing Manager will be appointed to ensure that the workgroup approach and objectives are fully aligned with the Technical workgroup. As part of the overall strategy it is DALI's vision to be globally recognised as the leading and open lighting standard. The Marketing workgroup will put a lot of emphasis on clarifying the benefits of DALI from an end user point of view. Additionally the Marketing workgroup will also focus on communicating that DALI is more than a ballast standard. Over the last years the DALI standard has significantly progressed supporting a wide range of lighting devices including ballast, emergency device, LED drivers and recently even colour control devices. In summary DALI is dynamic and constantly evolving as the open lighting standard.



A Helvar chairman

With the above changes a new board has been elected. Mr Peter van der Kolk, Helvar Oy Ab, has been confirmed in his position as chairman of DALI.

Further board members are:

- Raf Brouwers, Philips Lighting B.V., Deputy Chairman
- Dr. Thomas Dreier, OSRAM AG
- Karl-Heinz Fenkart, Tridonic GmbH & Co. KG
- Kay Pawlik, Erco GmbH
- Joachim See, Schneider Electric SA
- Bernd Siebel, Insta Elektro GmbH
- Michael Spall, BAG electronics GmbH
- Norbert Wittig, Panasonic Electric Works Vossloh-Schwabe GmbH



The Interface's contemporary and intuitive design allows end users to call up real-time energy usage reports in a few easy steps.



UPDATE:

uSee - Lighting management at your fingertips

uSee is a web-based lighting system management interface that allows end-users to monitor their energy usage and adjust scene levels via most web accessing devices such as an iPad, laptop or android tablet.

uSee User Interface puts the management of a lighting system in the hand of end-users, without any need for Designer programming software knowledge. The Interface's contemporary and intuitive design allows end users to call up real-time energy usage reports in a few easy steps. uSee works by automatically scanning

your Lighting System's Designer programme settings and interpreting them into user-friendly, local language terminology so that the people who use the system day to day can make adjustments to their scene setting levels and rename label fields to suit their needs.

When uSee User Interface was released in early 2012 it covered three main functionalities, Scene Recall, Scene Edit and Energy Monitoring. Earlier this year two additional functionalities were added, Maintenance and Emergency Light Testing, which greatly extend the products scope.

New functionalities

MAINTENANCE

In the Maintenance section the user is able to set up alarms for their lighting system. The alarms can be set for either a Lamp Failure, a Missing Device or by a defined amount of Burn Hours, allowing for scheduled lamp replacement. The user can choose to set an alarm for a single device, a group or for all groups. Once triggered the alarm takes the form of an email sent to the defined user.

EMERGENCY LIGHTING TEST

The Emergency section enables the user to perform both Function Tests and Duration Tests on a building's Emergency Lighting. In many coun-

tries it is a legal requirement that these tests are carried out and now uSee enables the user to schedule and log these test as evidence that the Emergency lighting system is functioning and the requirements are being adhered to.

A Function Test is a simple query to the DALI router to see if the defined device or devices within a group are working. A Duration Test sees the router instructing the emergency lights to begin a duration test. The length of the test is defined by the DALI Emergency Module. uSee can cancel the test, if needed. Both types of test can be scheduled to run automatically either Daily, Weekly or Monthly.

EXPANDING SELECTION:

New 70 W LED driver range

This exciting development is another example of Helvar's continued commitment to supporting luminaire manufacturers in making a successful transition to LED and sits comfortably alongside the wider Helvar family of lighting controls.

THE FIRST PHASE

The first phase of the 70 W LED driver range will see the release of a linear style, single channel 70 W LED driver, available as constant current and DALI dimmable. Its slim, linear mechanics makes this product ideally suited for linear and square 600x600 LED luminaires in commercial applications. The drivers feature a simple resistor input allowing manual adjustment of the output drive current, anticipating different LED loads.

The dimmable DALI versions, which will be available across the entire 70 W range, feature smooth and flicker-free dimming performance from 1-100 %. These versions are complemented by Helvar's successful DIGIDIM router and iDim luminaire based DALI control solutions, allowing for the creation of efficient lighting control solutions for either single room or fully integrated building applications.

Over the course of 2013 Helvar will be doubling its LED product offering, allowing luminaire manufactures to service the market with viable lighting solutions that are able to pass on the energy efficiency benefits that LED can offer specific lighting applications.



Existing functionalities

SCENE RECALL

uSee accesses your Lighting Control System's Designer scenes allowing you to switch between them from your web accessing device. This opens up your Lighting Control System to be managed from anywhere in your building by anyone, without the need for technical knowledge or understanding of how your system is programmed.

SCENE EDIT

Taking the level of control one step further, uSee allows you to alter and store the levels within a given scene set. You can rename your scene, so that for example 'Room 4' becomes 'Small Meeting Room', avoiding confusion and increasing usability.

On top of this functionality you are able to dim and raise lighting levels within a given group, vastly improving the accessibility of your Lighting Control System.

ENERGY MONITORING

uSee performs real-time energy monitoring of your Lighting Control System. The Lighting Control System automatically monitors the lighting loads to determine when lights are turned on and their level. The system then calculates the energy usage profile for a given area.

This information allows uSee to monitor and feedback to you, providing you with the important information you

need when considering your Lighting Control System's efficiency and potential improvements, such as regular maintenance.

Systems using Helvar ballasts automatically detect the necessary luminaire power information. However, for devices that do not provide the data automatically, the values can be inserted into the system manually, at commissioning, which in turn allows uSee to perform these energy.



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