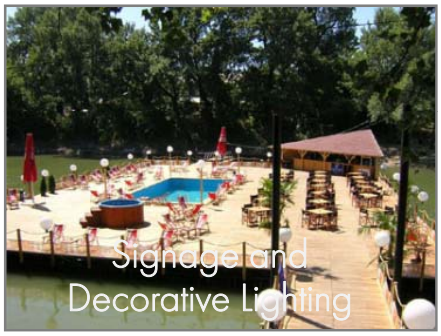

Reference Projects

2003-2019 Selection

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Advanced lighting
for home and professional
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2019

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Contents

In the scope of advisory services, our experts can make technical review and verification of lighting and electrical installation plans and the energy and payback calculations. Our service covers the development of different design conceptions and their energy and payback calculations, as well. When preparing of these conceptions, our experts take into consideration several solutions – from the simplest ones to the dimmable, addressable systems, which use the latest lighting devices and can offer the highest possible energy-savings, keeping in mind, of course, the existing specifications, recommendations and regulations.

In the scope of the lighting survey, our experts – after fixing an appointment with the customer – arrange a local inspection in order to survey the quantitative and qualitative status of the existing lighting equipment. If necessary, they confirm the assessment of the current status with control measurements made by using of measuring instruments certified or calibrated by OMH (National Office of Measures). The lighting test reports or the final lighting system survey will contain the experienced conditions and put down the adequacy with the relevant specifications, recommendations and standards. In a separate service, we undertake to prepare is a lighting system upgrading and energy rationalization proposal.

By using of own network analyser, HOLUX Kft. can make network measurements on the customer's premises and provide a test report containing its expert's opinion, too. Based on the test report – we select the appropriate power factor correction or harmonic suppression equipment and give a price quota-tion. When ordering, the equipment is delivered and put into operation. Finally, with a repeated measuring, we will verify the proper level of the phase correction or harmonic suppression achieved on the network. HOLUX Ltd. undertakes periodic shock protection revisions of facilities and prepares a test report, as well.

During the lighting system planning, our experts – on the basis of a survey or the data given by the customer – work out a suitable lighting conception, which will be executed after discussing with the customer. In the course of the development of this conception, our staff will take into consideration the use of the latest technologies, which can give not only excellent comfort, but meet the environmental protection issues of our age, as well. We are specialized to provide digitally controllable – even also addressable – lighting systems, which, thanks to the achievable energy-savings, can result in considerable decreasing of the operational costs. We pay also special attention to the realization of emergency lighting systems according to the specification of the Hungarian Fire Protection Code (OTSZ 9/2008(II.22) and 28/2011.(IX.6.) BM (decree of Hungarian Minister of the Interior). Computer-aided lighting modelling gives the basis for the planning progress, which meets the relevant specifications, recommendations and standards, and contains also the main parameters relating to the electrical network of the planned lighting system. On special request, we are ready to prepare also photo-realistic sight plans.

HOLUX Kft. undertakes to prepare electrical installation network plans of factories and office, residential and public buildings. This work can contain the planning of electrical networks, basic and emergency lighting systems and systems protecting against lightning and electric shocks. On the basis of commission, HO-LUX Kft. is ready to keep contact with co-planners and co-operate with building contractors as well as accept planner's working mana-gement during the execution work. In the course of the planning, our staff keep in view the aspects of the technical development, the environmental protection and the energy saving. We can offer planning, consultancy, procurement and execution works in all parts of electrical installation and lighting engineering businesses either in part or as a whole, even in turnkey form.

In case of electrical/lighting system installation, the execution will be made on the basis of the plan provided by the customer. We will make all the installation works contained in the approved electrical plan documentation, even specialty works, e.g. controlled lighting or installation on the spot. During the execution, we will make also the works relating to the putting into operation and adjusting of the up-to-date equipment. After finishing, the handing over of the work will be organized in the scope of a hand-over/take-over process, when we will prepare also the needed measuring minutes. When requested, on a special agreement, we can get the needed approvals and work out the feasibility documentation.

For implementing a project in a main contracting form, qualified sub- and co-contractors are chosen by using a strict internal qualification system. The work is co-ordinated by the company's Lighting Engineering Centre in order to guarantee the high level technical and quality supervisions and to keep the budgets and deadlines. In the course of main contracting, we are ready to provide all the works relating to the electrical installation of indoor or outdoor projects (e.g. energetic reconstruction, cable-laying, pole erection, installation of area and sports lighting equipment).

Further information: István Hajdrik, T: (1) 450-2712, Balázs Lévai, T: (1) 450-2711) hoso@holux.hu

Renewed Illumination for the Customer Area of IVECO Levantex with HOLUX Contribution

IVECO Levantex Ltd. decided to replace the dichroic mirror halogen lamps in its „starry sky" illumination system with energy-saving light sources in such a way that the investment costs can be quickly refunded from the savings of operating costs.

Illumination of the Headquarters of Feltalálói és Kutató Központ Kft., Budapest

During the reconstruction of the Headquarters of Feltalálói és Kutató Központ Kft., also the complete lighting system was renewed.
The old, obsolete luminaires were replaced by standard HOLUX E-family E-LUX and E-DELUX luminaires, some of which were made in controllable version. For the exclusive rooms (director's office, foreigner visitors' bedroom, secretariat) several controllable luminaires from RIDI (Vision, Aida, Ale) were installed.

Energy Rationalization of the Building of Hungarian Ministry of Health Based on HOLUX Plans and Main Contracting

In Dec 2005, HOLUX gained an illumination renewal tender issued by the Hungarian Ministry of Health.
In the scope of this tender, a considerable part of the office areas have received state-of-the-art, energy-saving luminaires.

Lighting of the Municipal Kindergartens in Budaörs

The children's eyes are more sensitive to bad lighting, than adults, but they rarely complain, because they can not precisely articulate what bothers them. The consequences of bad light show often later, when only the doctor and the glasses can help. This was recognized by the Municipality of Budaörs, when they modernized the lighting in their two kindergartens during the summer vacation. The new lighting is suitable for the functionality of the rooms and it is economical, as well. The required illumination in the community rooms should be provided at the height of the childrens' work plane (0.65m). In these rooms not only play and work are going on, but here is the afternoon rest. It is very important, that the awaking children can not look directly into the light sources installed on the ceiling. Therefore during the planning phase, we consulted with the kindergarten teachers about the different furniture layouts of the rooms. Considering of the technical and economic aspects, opal bulb luminaires were installed. They are equipped with good colour rendition, warm white light output fluorescent lamps and electronic ballasts, and their optical system prevents the direct view when looking them from below. The offices received mirror-optics FL luminaires. In the kitchen FL luminaires with plastic body and in the toilets protected luminaires with plastic body, equipped with CFLs were mounted. Since the corridors perform several functions, used sometimes as dressing rooms or a tale corner, certain time much more person is staying there than the average. Therefore, for the corridors an illumination level higher than the recommended was provided by using mirror-optics luminaires. The planning, the installation and the delivery of luminaires were made by HOLUX.

Lighting of Primary Schools in Esztergom

The Municipality of Esztergom decided to modernization of lighting in their two elementary schools by using the loans and technical assistance provided by HOLUX. Considering of the technical, economic and the different architectural aspects, different types mirror-optics lumninaires were installed in the classrooms, but all of them equipped with electronic ballasts and three-band warm white fluorescent lamps. Only by using of electronic ballasts, 20-25% energy can be saved. In the traditional built classrooms of the more than seventy-year-old Petőfi Sándor Primary School, the luminaires could be mounted directly on the ceilings. In the Somogyi Béla Primary School from the seventies, however, suspended, partly direct-indirect lighting luminaires could be installed because of the natural light coming from several directions and the broken and partly sloping ceilings. The suitable illumination of the blackboards in the classrooms were provided by asymmetric lighting luminaires. For the lighting of the high-bay gymnasiums, reinforced ball-proof luminaires were used. The light of the high colour rendition metal halide lamps meet the lighting requirements of the evening events organized here, as well. It has to be mentioned, that the special function rooms – the folk dance club, the salt room, or the gallery famous across the city from their picture exhibitions – which have particular significance beyond that of the particular school – received final lighting solutions. As a gift from HOLUX, a classroom in both schools received a smartDIMR automatic light control system, therefore their lighting meets also the latest EU recommendations and – in addition to making the lessons more attractive and diverse – 70% energy savings can be reached.

The energy-savings resulting from the reduction of the installed power are 38% in the Petőfi Sándor Primary School and 55% in the Somogyi Béla Primary School.

HOLUX Lights in the 125-year-old Szilágyi Erzsébet High School, Budapest

At the end of 2005, HOLUX gained a public procurement tender for the illumination renewal of the mellow old building of Szilágyi Erzsébet High School in Budapest.

The professional challenge meant that an up-to-date energy-saving lighting system should be installed, which combined the special requests of the educational institution with the architectural details of the building – here and there by using the existent lighting solutions. And all of them should have been made of course quickly, cost-effective manner – possibly without disturbing of the daily educational work.

Lighting System Equipped with DSI IR Modules for an Auditorium of Semmelweis University

E-family E-DELUX luminaires provide the general lighting. The system can control 5 different luminaire groups (e.g. the luminaire group above the blackboard or above the first two or the 3rd and 4th rows, etc.).
At the same time, it can stored 3 different lighting scenes in its memory. The dimmable luminaires can be switched simultaneously or group by group.

Lighting of St. Michael's Church in Angyalföld

In the first phase of the lighting modernization in the Babér Street church, the altar and the surrounding areas were arranged. The illumination of the altar area has been divided into several part tasks. The first and technically the most simplest task was the renew of the ceiling cross over the altar. As the lighting of the cross can be considered as decorative illumination, the total 220 incandescent lamps in the cross have been replaced with 7W LEDs. As a result of this, the illumination increased noticeably, while the built-in power decreased to less than one third. The rest of the area was illuminated by LED luminaires mounted on several short lighting tracks. We used the KARO type luminaires of German RIDI. This luminaire family has two power and 3 light distribution versions, so a right combination can be chosen for virtually any application.

From a technical point of view, the demands of the altar lighting have been probably the biggest challenge. The management asked for a relatively high (500lx) illumination level in this small area to easily read the tiny letters, while not overwhelming the rest of the area. Unfortunately, there was no chance to make test lighting, but the calculations were fully verified by reality. Nearly 11 meters high, a particularly narrow beam spotlamp was perfectly suited for this task.

The installation work was carried out by the staff of Comserv-98 Ltd., precisely and quickly, without interfering with daily worship. Fortunately, it was possible to run the cables in the loft, so there was only minimal wiring in the interior. The lighting system can be controlled from a touch panel that can be used to display multiple lighting images (rorate masses, normal and festive masses, etc.) so that the illumination levels and illuminated areas can be freely modified.

Lighting of Liget Gallery in City Park

The Liget Gallery located on the outskirts of the City Park has been accepting art works and exhibits from artists more than 30 years. Although its lighting system was not so old, but it has been thoroughly outdated. In the tiny room, there is a 3-phase (3-circuit) lighting track system. The main problems meant the outdated luminaires and the not perfect compatibility between the luminaire mounting adapters and the lighting track. Therefore the luminaires were difficult to relocate in another place when the exhibition should be changed, thus loosing one of the main advantages of the track systems. Although the colour rendition of the halogen lamps is excellent, but they produced light in energy wasting manner at today's technical level. Nowadays, one can everywhere hear, that the LED lamp or luminaire is the „perfect" one, but they have inherent disadvantages, of course. In everyday life is not as flashy, but one of its weakness is its colour rendition. The commercial types have typically Ra = 60-75, but also the products of reputable manufacturers have only around 80-85 Ra values. The Pablo luminaire from the German RIDI and the Austrian Tridonic SLE ART LED module proved as an optimum solution for this task. This special LED module is specifically designed for tasks requiring superior colour rendition, keeping of course the efficiency advantages of LED technology. Its colour rendering index is Ra = 98, while its efficiency is 124lm/W (the system efficiency is 106 lm/W). The Pablo luminaire is one of the most versatile track lamps of RIDI: they offer three kinds of light distributions owing its 3 types of reflectors. As addendum, also several accessories can be used for the luminaires, including colour, UV and IR filters, honeycomb grids, etc. When the lighting task changes, the reflector (available as a spare part) can be replaced without tools, while the luminaire house may remain unchanged.

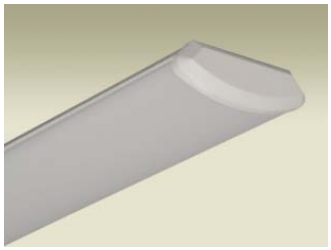
It can be said, that in the Gallery such a lighting system was built, which uses the latest technical possibilities, greatly increasing the visitors' experiences

Lighting Reconstruction of the Jókai Club

Continuing the tradition of previous years, new spaces have received up-to-date, energy-efficient lighting in the Hegyvidék Cultural Centre in the 12th district of Budapest.

This time, the exhibition space in the ground floor and the multi-functional attic room took place. Adapting to the changing lighting needs, a lighting track system equipped with energy-saving MH lamp luminaires was planned for the ground floor exhibition space. In addition to statuettes and sculptures, also paintings and photographs are often exhibited, therefore the high colour rendition requirements were ensured by using ceramic arc tube metal halide lamps. The luminaires are of course equipped with state-of-the-art electronic gears, so annoying flicker or stroboscopic effects do not occur.

In the upstairs rooms 25-30-year-old luminaires were installed, the operation of which was extremely energy-wasting and maintenance-intensive. The upgraded lighting system uses opal bulb FL luminaires. According to the current needs, the room is used for a wide variety of functions, but one of the most common tasks is the playful language education held for kindergarteners or even younger children. Using these luminaires provided not only low glare illumination, but a friendly, pleasant atmosphere, as well. Owing to the long-life fluorescent lamps and electronic gears, also the maintenance needs have been reduced to a minimum level.



• *STM-Plast surface mounted Fl luminaire*

• *RAIL 65517T track lighting luminaire equipped with MH lamps*

Illumination for the Library Conference Room of the Hungarian Academy of Sciences

At the end of 2009, HOLUX received a request from the Library of the Hungarian Academy of Sciences to plan a modern, versatile room lighting, to ensure the needed materials and to execute the installation works. For the general lighting, elegant recessed CFL luminaires and a cove lighting system with fluorescent lamps were installed. This latter is becoming more widespread in modern architecture, can not be seen and provides uniform illumination. To achieve the continuous light, the fluorescent lamps were mounted in overlap. The Wave luminaires equipped with 2x55W CFLs and electronic gears provide the uniform illumination at the ground level mostly by their indirect light components. The luminaires were divided into two groups, so different illumination levels can be set in the different parts of the room. To meet the different lighting needs, using of controllable lighting devices was proposed. In the back of the room, 4pcs recessed and directionable Display luminaires were installed. Two of them highlight the painting constantly exhibited in the room, the other two are adjustable according to the changing needs of the exhibitions and layouts and help in maintaining the symmetry of the room. High luminous efficacy 70W metal halide lamps provide the right light output and the excellent colour rendering. Due to the frequent repositioning of the accent lighting, the lighting system was completed with light track devices. For these purposes, the 24° beam angle RIDI Domino track luminaires equipped with 70W MH lamps proved to be suitable, owing their pleasant appearance and several positive technical properties. By changing the additional mirrors, the beam angle can be set to 15 or 36°. In selecting the appropriate solution, HOLUX helped the contractor by preparing of the lighting calculations, visual designs and detailed presenting of the luminaires and the control system in its showroom

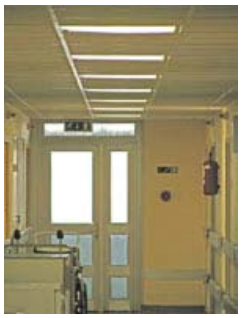
New Lighting for the Community Centre in Orosháza

The DALI system from Tridonic offered a good possibility to hold together the many different luminaires in the Community Centre. The installed lighting system proved to be a good choice to make a high-quality lighting, which satisfies all sorts of demands.

HOLUX Lights in the New Rehabilitation Section of the National Traumatology and Emergency Centre (OBSI)

Based on the lighting plans and luminaires of HOLUX, up-to-date, new opal refractor luminaires with electronic gears have been installed in place of the old obsolete ones in the hospital wards.

The corridor has received recessed ceiling flat bulb FL luminaires with prismatic inside surface. In the lavatories and bathrooms, IP65 CFL luminaires with inductive gears have been mounted.



Illumination of the Kenguru Gold Showroom, Buy-Way Shopping Centre, Dunakeszi

A lighting system controlled by ADSI Smart modules has been installed on the gallery, where costumer rarely walk about. If there is no visitor, the light of the luminaires decrease to 10% of their original values. When somebody enters the sensing area of the motion sensor, the light output of the relevant sector will be increased to total value.

HOLUX Lights for Goldenland Shop in Újpest

As one of the market leaders in Hungary in the field of men's clothes, Goldenland has opened a new brandshop in the Stop.Shop shopping park in Újpest. The lighting system of the shop has been planned and prime contracted by HOLUX.

Luminaires used:

- Lama 33-250-CR – hall lighting luminaires equipped with 250W metal halide lamps
- E-family Canto 70/E 3F – 70W MH lamp floodlights equipped with Tridonic electronic gears and mounted on 3-phase Nordic Aluminium track system

Lighting for the Stores of Édes Otthon Retail Chain

The illumination of the retail stores of Édes Otthon (Sweet Home) is considered as a good example for the creative lighting designs. This nationwide retail chain deals with kitchen and living articles.

The lighting plans and the installation works for their two stores (Material Centre Budapest and Malom Centre Kecskemét) were made by HOLUX.

Applied luminaires

- Indirect lighting Ridi EMML K CFL luminaires
- HOLUX E-Family Display 51150K/51250K tiltable shop lighting luminaires

Lighting of the Showroom Renault-Yamaha Gordini M3, Budapest

In the middle of 2006, a Gordini M3 showroom opened in the 15th district of Budapest, near the M3 motorway, at the exit road of Újpalota. The showroom is acting as an official Renault and Yamaha brandshop, and also a Dacia brand service station. Its lighting system was supplied by HOLUX.

Luminaires used

- Ridi EBRME 414 SG-EVG – recessed ceiling luminaires with parabola-parabola reflector grids for 4x14W T5 FLs, with electronic gears
- Ridi HRL 400 PM/250-HIE – direct-indirect light suspended luminaires equipped with 1x250W MH lamps
- Nordic-Aluminium 3-phase track-system
- E-Family FUTURIX 258/E – IP65 industrial luminaires with 2x58W FLs
- NITOR 75W – design spotlamps with 230V/75W, GU10 cap halogen lamps
- E-Family E-LUX 418 – ceiling mounted luminaires with 4x18W FLs
- GR-110 ? 8W/90 sec luminaires for emergency lighting

Lighting of ÁTI DEPO Industrial Hall, Sziget-halom

The logistics service provider ÁTI DEPO Közraktározási Zrt. has one of the largest storage capacity in Hungary. The real estate development conception of the company operating in 14 locations required for high-quality lighting, and for this they asked for HOLUX contribution. Due to its function changes, an energy-optimized industrial hall lighting system should be planned for the no. 61 hall.

The implemented lighting system is very well reflected in the high quality lighting designs made by our experts.

Applied luminaires

- 125pcs HOLUX E-Family E-START 250W high-bay luminaires equipped with MH lamps

Lighting of ORION Warehouse Basis

The famous, almost 100-year-old company is dealing with manufacturing of electronic products. The company has begun to establish a large warehouse basis. Their 4,000m2 warehouse built in the Sóskút Industrial Park has been completed with an 1,100m2 office building. The project was executed in keeping in mind the functionality and the environmental consciousness. The high-bay warehouse requested a special lighting system, its lighting design was prepared by HOLUX Engineering Centre.

Applied luminaires

- Ridi LINIA continuous lighting system equipped with special downlighting reflectors
- HOLUX E-Family luminaires

Lighting of the Covered Market is Újpest

The complete reconstructing of the Covered Market's lighting on the St.István square in Újpest has been finished.

The new lighting system provides not only outstanding area lighting for the whole market but can save a considerable amount of energy – thanks to its up-to-date equipment. Under the lights of energy-saving metal halide lamps used, the colours of the goods offering at the market-place nearly come to life.

The complete reconstruction plan and all the components of the lighting system provided by HOLUX.

Luminaires used

- LAMA33-250-CR – high-bay luminaires equipped with 250W metal halide lamps
- NORMA 258-CR – IP65 industrial luminaires equipped with 2x58W FLs
- E-family LADÉL – IP65 luminaires equipped with 18W CFLs

Escape Route Signalling Systems for ALSTOM Hungária Zrt.

In the Váci street, on the area of the former LÁNG machine factory, now the ALSTROM Hungária Zrt. operates its manufacturing halls and office buildings. Its a three-storey, nearly 1000m² big office building and two production halls (each with a floor area of over 6000m²) have received recently escape route signalling systems, the planning and installation works of which were made by HOLUX.

On the 3 floors of the office building a total 35pcs self-testing, non-maintained operation escape route signalling luminaires with unique accumulators were installed – providing a consistent and continuous signalling system for the whole building. The self-testing luminaires can perform the obligatory logging tasks required by the OTSZ 9/2008 (II.22.) regulation and execute the needed tests on a weekly basis. 3 status LEDs provide information about the operation of the luminaire and answer also the possible causes of the errors.

Because of the particularly large sizes of the welding and turbine workshops and because of the work doing there, large-scale route signalling luminaires were installed there. These luminaires can show the escape routes towards the exits even from a larger distance.

In the two production workshops, altogether 30pcs escape route signalling luminaires were mounted. The luminaires operate 8W miniature fluorescent lamps.

Escape Route Signalling Systems for MKB Branches in Debrecen and Szeged

Two restored country branches of the Hungarian Trade Bank (MKB) have been provided recently with escape route signalling systems on the basis of HOLUX's plans, according to the OTSZ 9/2008 (II.22.) regulation.

The five-storey bank account in Debrecen has received 37pcs, and the seven-storey one in Szeged 36pcs escape signalling luminaires for their exit routes. The luminaires fit well with the bank's image, elegant appearance and they can perform the function of the exit road lighting in line with the other luminaires.

The luminaire feature easy and versatile mounting, which greatly simplified the installation work.

It is essential that instead of usual fluorescent lamps, they comprise LEDs, increasing multiple the service life of the usual fluorescent lamp solutions. Thanks to LEDs, also the needed maintenance could be minimalized. The LED light points in the luminaires illuminate laterally a Plexiglas sheet equipped with pictogram.

Lighting of the MTA TTK Research Laboratory

Recently, our Company received an interesting lighting task. In the Natural Sciences Research Centre of the Hungarian Academy of Sciences, also experiments regarding development and behaviour of children of different ages, their age characteristics and developmental phases are being performed. The tests are carried out in a room with relatively small floor area, while in the adjacent room a video camera records the children's behaviour and reactions through a „detective glass". For these tests a new, modern, high-resolution camera were sourced, but despite this, the system were not able to pick up the details and subtle reactions. During the site survey, the cause of the problem soon revealed: originally double parabolic mirror luminaires with 2x28W T5 fluorescent lamps were installed in the room. And although these luminaires were novel and in good condition, and this mirror design is suitable e.g. for office lighting, these luminaires hardly emit vertical light component, which is very important for the cameras. Therefore, we had to create higher vertical illumination level within the technical possibilities. Instead of the existing ones, recessed luminaires with white mirrors and 2x54W FLs were installed. This could significantly increase not only the luminous flux but the vertical light component, too. Taking into account the room special features, more 4 recessed, very slim luminaires were installed equipped with 2x42W CFLs. This „downlighter" version has extremely wide light distribution, therefore is a good choice for such lighting tasks. The possibility of the light controls performed in two circuits promotes the setting of the most appropriate light distribution for the given study. The light outputs of the three FL and 4 CFL luminaires can be set to the desired level by using a simple wall switch.

HOLUX and the Renaissance Year 2008

In the scope of the anniversary year, the era of the famous Hungarian king Mathias comes to life in the exhibition rooms opened on the corner of Váci street and Piarist lane – thanks to the life-sized figures made from special rubber. HOLUX used track-mounted 50W halogen lamps for highlighting of these figures, and low-power halogen reflector lamps for brightening and silhouette lightings. To simulate the torch lights, LEDs were applied.

„Artificial Window” from HOLUX for Scientific Purposes

According to the commission of Budapest Technical College, HOLUX has prepared an „artificial window” for the scientific research work continued in the College with the Pannon University together, first of all for examination of indoor glare based on instrumental measuring and human perception.

Special Reading Lamp for the Library of Esztergom Theological College

In the summer of 2006, the building of the Esztergom Theological College was reconstructed, including the library housing round 80,000 volumes.
The special reading lamps for the library reading room were designed and manufactured by HOLUX. The luminaires equipped with local switches were made from RAL 9006 grey aluminium profiles. Inside the 2x24W or 4x24W T5 FLs operated by Tridonic electronic gears.

New Public Lighting for Tisza-liget Promenade in Szolnok

The Tisza island next to Szolnok is a popular relaxing place of the citizens. After the flood damages several years ago, the dike has been reinforced for the protecting of the island facilities, and an attractive promenade with decorative pavement has been settled on it.

In the course of the commission for the renewal of the promenade lighting, HOLUX has installed energy-saving 70W HPS lamp luminaires equipped with disc mirrors on the columns extended to 4 m.

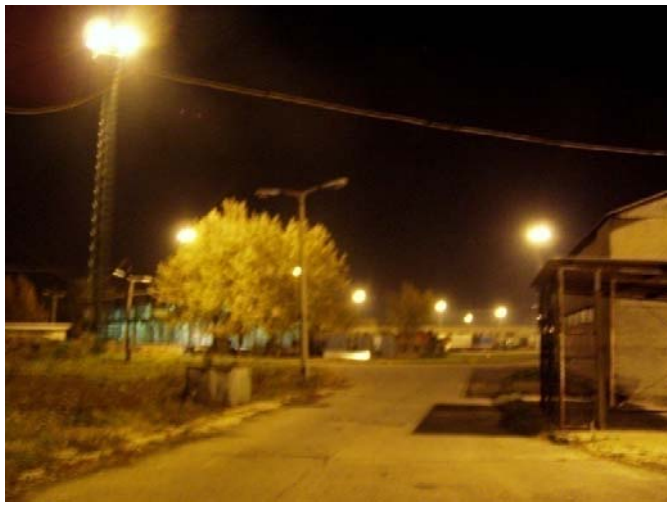
Renewed Public Lighting in Budaörs and Vadna

The streets of **Budaörs** shine in new lights: the multi-step reconstruction of the public lighting in the city has been finished.
The new lighting system installed by HOLUX provides not only suitable lighting parameters but the energy consumption has diminished considerably, thanks to the up-to-date equipment used.
Luminaires used
● Lunoide VP2 100-250W – public lighting luminaires equipped with 70-150W HPS lamps
● Attasé HA-36 – public lighting luminaires equipped with 36W CFLs
● City 70 – park lighting luminaires equipped with 70W HPS lamps

The public areas of **Vadna** got new lights. Because of the rather obsolete condition of the public lighting network of the settlement, its reconstruction could not be postponed any more.
Thanks to the reconstruction work, Vadna uses today 35% less energy for public lighting, moreover the evening traffic has become more safe and comfortable. New decorative lighting was made for the church in Vadna, too.
Luminaires used
● Lyra 11/70-150 – public lighting luminaires equipped with 70-150W HPS lamps
● Attasé 36/U – public lighting luminaires with universal band mounting equipped with 36W CFLs
● Leo/A 150 Na – decorative lighting floodlights equipped with 150W HPS lamps

HOLUX Renewed the Illumination of the DEPO in Törökbálint

The new area lighting of DEPO Logistics Centre in Törökbálint stands pre-eminent among the other – mostly obsolete – illumination systems of industrial parks in Hungary. On the storing area lit by the new lights, the store men can work quicker in a more safely and more comfort environment. The new illumination system meets the recommendations of CIE S 015:2005/E Standard (Illumination of Outdoor workplaces).



Lighting of the Cargo Space of GE Energy Veresegyház

As a part of the General Electric Company presenting in more than 119 countries, GE Energy is a market leader in the field of planning and manufacturing of gas, steam and water turbines and generators made for industrial power supply companies. Its plan in Veresegyház has been expanded with a new cargo space provided with an up-to-date lighting suitable also for outdoor working. During the planning phase of the project, HOLUX prepared the lighting modelling as a base for the installation work.
The employees could take possession with pleasure the workspace, which can be used in nights, too.

Applied luminaires

- HOLUX E-Family MACH 5/A 400W Na floodlights

Lighting of the Researchers' Car Parking Lot in TEVA, Gödöllő

The more than hundred year old TEVA, the world leading, innovative manufacturer of generic medicinal agents opened a new car parking for the researchers in its Gödöllő site. The planning and installation of the lighting for the new researchers' car parking lot gained by HOLUX. During the planning of the lighting not only the security considerations but also the economic operation had top priority.

Applied luminaires

- HOLUX E-Family Lunoide public lighting luminaires equipped with 150W HPS lamps

Lighting of Gablini M3 Used Car Dealership

The Gablini M3 opened a used car dealership in a frequented outer area of Budapest, near the M3 motorway. For the aesthetically pleasing area lighting design of the outdoor facility, the management consulted also with HOLUX. The execution works were carried out in keeping of mind the lighting designs made our experienced engineers. During the designing, not only the safety requirements, but also the aesthetical point of views were taken into account. It proved once again that: „The light attracts buyers". The element of the area lighting system were delivered by HOLUX.

Applied luminaires

● HOLUX E-Family MACH 5/A 400W MH floodlight

Lighting of Röszke-Horgos Border Crossing Station

Based on the lighting designs of HOLUX, a technically high-quality and economically efficient area lighting system was installed during the modernisation of the popular border crossing station between Hungary and Serbia.

The border crossing station features that the closely related vehicles, buildings, outdoor cargo-storage areas shadow each other and the space between them, therefore the luminaires should placed on towers. Owing to the large light point heights, this solution results in smaller disturbing shadow effects.

The HOLUX floodlights were fixed on 30m high steel poles.

Artificial turf soccer field lighting

Within the second phase of the National Soccer Field Construction Program announced by HFF, implementation of a total 100 soccer fields with artificial turf were planned.
The lighting planning and installation work of these projects gained by Comuskert Kft. were executed by HOLUX Kft.
Among them, the following 20m x 40m artificial turf soccer fields were completed in 2012 in chronological order: in Halásztelek (2012.06.20.), in Sűlysáp (2012.06.29.), in Újpest (2012.08.06.) and in Csomád (2012.09.04.).
On 2013.08.16. another 20m x 40m artificial turf soccer field and its LED lighting were completed – now in the yard of the new Nursery and Primary School in Hatvan (Bajcsy-Zsilinszky út 8.) .
On the right side of the page, you can see some photos of these projects


Halásztelek


Sülysáp


Csomád


Újpest


Hatvan

Illumination of the Soccer Field of Nagytétényi SE

The Nagytétényi Kohász Sports Association was founded in 1913. The club has achieved several great success and played also in the Hungarian National Soccer Championship. Thanks to the support of the Municipality of the 12th district of Budapest, the soccer fields have received state-of-the art sports lighting.
The sports lighting plans for the competition and training fields were prepared by HOLUX Kft.
The competition fields was lit by 2000W floodlights placed on 18m high poles, and the functional sports lighting of the training field was provided with 1000W HPS lamps.
The new sports lighting was greatly welcomed by fans and players who can now enjoy the evening matches, too.
Applied luminaires
● E-Family HOLUX Light Master MH 2000W / 1000W Na floodlights

Tennis Court Lighting in Budapest Park Tennis Club

During the reconstruction work of Park Tennis Club – former Kelenföld Ball Playing Society (est. 1908) – 9 hard courts received from HOLUX new, up-to-date and energy-saving lighting.

Luminaires used

● LASER/M – 1000W HPS floodlights with anti-glare optics

Illuminating of Csík Ferenc Swimming Pool, Spa Lővér

With its a more than 100-year history, the Csík Ferenc Swimming Pool in Spa Lővér (former: Forest Spring Spa) – one of the most popular sports facilities in Sopron – has received a new, energy-efficient lighting system, based on the planning and installation works of HOLUX. In the 36-angle-based domed building, a suspended floodlight system provides the comfort lighting.

Luminaires used

5STARS2/A45 – from brackets suspended floodlights equipped with 1000W HPS lamps

Illumination of Spa Szilva, Városnamény

In the Szilva thermal and wellness spa in Vásárosnamény, three covered pools (a thermal-medicinal pool, a swimming pool and a children-pool), as well as a wellness-pool are available for the guests. From the 36°C water of the thermal-medicinal pool the visitors can walk through a covered passage to the outdoor wellness-pool, where water jets, bubble baths enhance the good influence of the warm thermal water. The little children can spend unforgettable time in the water kindergarten.

The lighting system for the whole spa was supplied by HOLUX:

- ABR K 218 SG – ceiling luminaires with parabola-parabola reflectors, equipped with 2x18W CFLs
- EBRME 418 OSD – IP44 opal bulb luminaires equipped with 4x18W FLs
- ABLG 230 – wall brackets equipped with 2x7-11W CFLs
- E-LUX 418 – ceiling luminaires equipped with 4x18W FLs
- Y150-CR – IP65 floodlights equipped with 150W MH lamps
- Leo/A 250-94-CR – IP65 floodlights equipped with 1x250W MH lamps
- Cricket/AL 26/18-CR – IP67 luminaires equipped with 18W CFLs
- Stella SAT 32W – decorative luminaires equipped with 1x32W circle FLs
- Iris – transparent bulb luminaires equipped with 2x18W CFLs
- Lunoide VP2 – luminaires for public lighting equipped with 100-250W and 70-150W HPS lamps

State-of-the-art Illumination of the Outdoor Race Course in Szilvásvárad

As a main contractor, HOLUX has installed a lighting system according to the relevant international standards for the race-course of Szilvásvárad State Stud-farm.

LED Lights for the HOLUX Lighting Specialist’s Shop in Nyíregyháza

The HOLUX Lighting Specialist's Shop in Nyíregyháza moved to a new place in February, 2008. The new shop has received a new signage lit by up-to-date LED technology.

The letters of the HOLUX logo and the coloured sunbeams welcome from afar the arrivals from Debrecen to Nyíregyháza on No 4 thoroughfare.

The Signage BoConcept in LED Lights

As the biggest global furniture retail network in Denmark, BoConcept has more than 200 shops and showrooms in 47 countries all over the word.
HOLUX has delivered a new signage lighting for one of their shops, which uses 80pcs Tridonic P511 DL daylight white LEDs.
Total power consumption of the rather big signage is less than 40W, the max. inside height of the letters is 54 cm, their total length is about 3.5 m

Ad Lighting in the Fashion Street from HOLUX

As a part of a commission gained by HOLUX, the company has planned and installed a lighting system for the illumination of the covering stretched on front of building façades in the Fashion Street constructing in Budapest downtown. The lighting system uses E-family TAMARA/A 400 metal halide lamp floodlights featuring outstanding economical parameters and high price/quality index. As a part of a commission gained by HOLUX, the company has planned and installed a lighting system for the illumination of the covering stretched on front of building façades in the Fashion Street constructing in Budapest downtown. The lighting system uses E-family TAMARA/A 400 metal halide lamp floodlights featuring outstanding economical parameters and high price/quality index.

Decorative Lighting of the Atrium Hotel Budapest

The Mellow Mood Group has opened its first 4-star hotel in Hungary, in the downtown of Budapest. The hotel shaped according to the most modern trends including also the unique indoor designs invites the passers-by with its evening appearance and lights. The planning and main-contracting works of the decorative lighting were made by HOLUX.

Luminaires used

- Y70/C – Symmetric beam floodlights equipped with 70W MH lamps
for the decorative lighting of the façade
- TERES 1 – IP65 luminaires equipped with 50W GU10 halogen lamps
for the illuminating of the glass canopy

Decorative Lighting of the Main Square of Vác

Several years ago extended reconstructing and excavation works were made on the marvellous Baroque square of Vác. For today, the citizen could take possession of the reborn square. Actually, the Main square of Vác can be proud of several sights of interest. All of them has received up-to-date decorative lightings, which was delivered by HOLUX and which enhance the atmosphere during the evening walks. The yellowish light of HPS lamps in nostalgic candelabra give the public lighting. From the historic and architectural points of view important façades, monuments and fountains are lit by white light metal halide floodlights, most of them mounted in the ground.

Luminaires used

- CRICKET 40/A 150-CR – IP67 floodlights equipped with 150W MH lamps
- CRICKET/AL 26/71-CR – IP67 floodlights equipped with 70W MH lamps
- UWF 10/100-N – IP68 underwater luminaires
- KALANK 590 296 – IP55 / IK07 luminaires equipped with 1x26W CFLs for the illumination of the Middle Ages temple
- Y150/C-CR – IP65 symmetrical beam floodlights, equipped with 150W MH lamps
- LEO/S MH4-94-CR – IP65 floodlights equipped with 1x400W MH lamps

Decorative Lighting of Hotel Castle Sasvár

As a jewellery box hiding among the hills of Mátra, the evening appearance of the Hotel Castle in Sasvár recalls the end of the 19th century. To this experience, the nice captivating decorative lighting makes its own contribution.
The decorative lighting of the hotel (former one of the castles of the famous Károlyi family) provided by HOLUX's lumainaires.

Illuminated Floating Island in the Óbuda Shipyard Bay

HOLUX Kft. has received an interesting challenge from an investor: to install a charming illumination for an entertainment club with swimming pool, floating on the water.
Our experts have responded to this challenge with a plan that fit well into this bohemian environment and technically reflected our experiences gained in the area lighting projects made for the Hungarian power supply companies.
Applied luminaires
● HOLUX E-Family CITY LIGHT 1 70W park lighting luminaires

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