

LUXIONA

LUXIONA Poland magazine

Events ●●●
Projects ●●●
Products ●●●



FROM THE EDITORS

We are happy to present the first issue of LUXIONA magazine, which is a specific compendium of information about current events, projects and new products. We wish to use it as a means to bring every reader closer to the values we follow and to present our development and our offer.

The first issue of the magazine is being edited at the time of significant changes taking place in our company. Since October we have been operating under the new name: LUXIONA Poland S.A., which replaced the previous name: Aga Light S.A. The change of our business name is only one of the elements of the transformation that the company has been undergoing since it joined the international lighting Group LUXIONA.

Materials included in the first issue are ...

An interview with Rafał Wesołowski – the Company's General Manager – who answers a few questions which are certainly on everybody's mind at the time of such important changes.

We also provide information on latest events in which our company took part, we present the most interesting buildings with LUXIONA Poland's lighting and the products to which particular attention should be paid.

Enjoy the reading...

Editors of the LUXIONA Magazine

Issue 1 / 2011



Events

- Interview with the General Manager of LUXIONA Poland
- Dedicated programs
- What is new at LUXIONA Poland



LUXIONA Team

- Light and the taste of wine... a few words on designing



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- Mercedes showroom in Stryków
- Catalina Office Center



Products

- Descriptions of the latest and most interesting products offered by LUXIONA Poland in 2011



LUXIONA editors' interview with **Rafał Wesółowski**
– General Manager of LUXIONA Poland S.A.

„What we want to achieve
is the synergy of all brands...”

There are significant changes taking place in LUXIONA Group (merging of brands) – what is their purpose and what is the role of LUXIONA Poland in this case?

In order to answer this question, we need to discuss the history of the company in more detail. Aga Light S.A. was established as a Polish company, which until recently was owned by Polish entities. Over the 20 years of its activity, it enjoyed a good position on the Polish lighting market, offering high-quality products. In the light of new expectations, however, after Poland's accession to the European Union – the company's offer turned out to be incomplete. This was the common concern of many Polish producers from various industries. Their efforts, unfortunately, do not bring the expected results because of the limited growth opportunities. The growing competition on the market made the company accelerate its development, so as not to stay behind other entities in the industry. We decided to enter a new level of operations and thanks to the support from the Group we made our way from the supplier of reliable lighting solutions to the advisor and expert cooperating with architects and investors.

Access to the brands such as Metalarte or Troll, as well as cooperation with real icons among designers, e.g. Jean Nouvel or Jaime Hayon dignifies the highly reliable technological solutions offered by our company. In addition, we have a chance to gain the experience of other brands. As Aga Light we had a 20-year-long history, whereas now – being a member of the Group – we make use of the knowledge of companies with over 80-year-long presence on the market. This fact makes us an interesting partner for architects who are the ones to create the world around us. Today, we are able to help them much more efficiently and effectively.

As regards the merging of brands, we are facing the merging of a Polish brand Aga Light with the Spanish Troll. We decided to implement it, as both companies had a very similar technical offer and there was simply no point in promoting two catalogues presenting similar solutions. As a result, we decided to



LUXIONA

AGA LIGHT troll metalarte Sagelux heper+ moonlight

create a combined brand: Aga Light-Troll and, in consequence, to prepare a common catalogue presenting the best solutions of the Troll company together with the architectural lighting and high-quality solutions offered by Aga Light.

Apart from merging brands, the changes taking place in LUXIONA Group are aimed at presenting various brands on various geographical markets in the same way. Until present, the company has been offering different brands on each market. Now we aim at achieving the synergy of various lighting companies belonging to the Group under one sign. As a result, our company LUXIONA Poland will provide customers with complementary solutions composed of products created by many brands. Currently the market frequently offers designs based on the solutions of one company specializing in lighting, which are unfortunately incomplete.

The company I am leading will surely play an important role in the international LUXIONA Group. We are bringing in a rapidly growing production plant, a very solid distribution network which we have created for the CEE markets, we have many clients in countries with especially high requirements concerning quality and technology, such as: Germany, France, Sweden, the Netherlands, as well as a strongly pro-client attitude to business. In Poland we have constructed solid competence centre which implements lighting solutions at the highest global level, including recent technologies based on the LED technology and on intelligent light steering.

What benefits are there for LUXIONA Poland from belonging to the Spanish Group?

Our presence in the Group brings an opportunity to further develop our business, which was previously limited by the possibility to carry our research and development. As Aga Light we did have the opportunities to use technologies on a global level, but we lacked – just as many Polish producers did – a proper approach to design.

Our membership in the Group brings mutual benefits, both to us and to other companies. The Group will obtain access to our extended distribution network, to our domestic market, as well as to the market of Eastern and Central Europe. Aga Light, on the other hand, is becoming LUXIONA Poland with an offer extended by the brands Aga Light-Troll, Metalarte, Led&Co, Sagelux and Heper+Moonlight. We are not, however, giving up our presence in western countries, in which LUXIONA Poland has already created a solid client portfolio.

Thanks to the membership in the Group and bounding its capitals, it is possible to achieve a stable and optimum growth of products, which leads to creating a complete and balanced offer on every market, as well as an effective management of the supply chain.

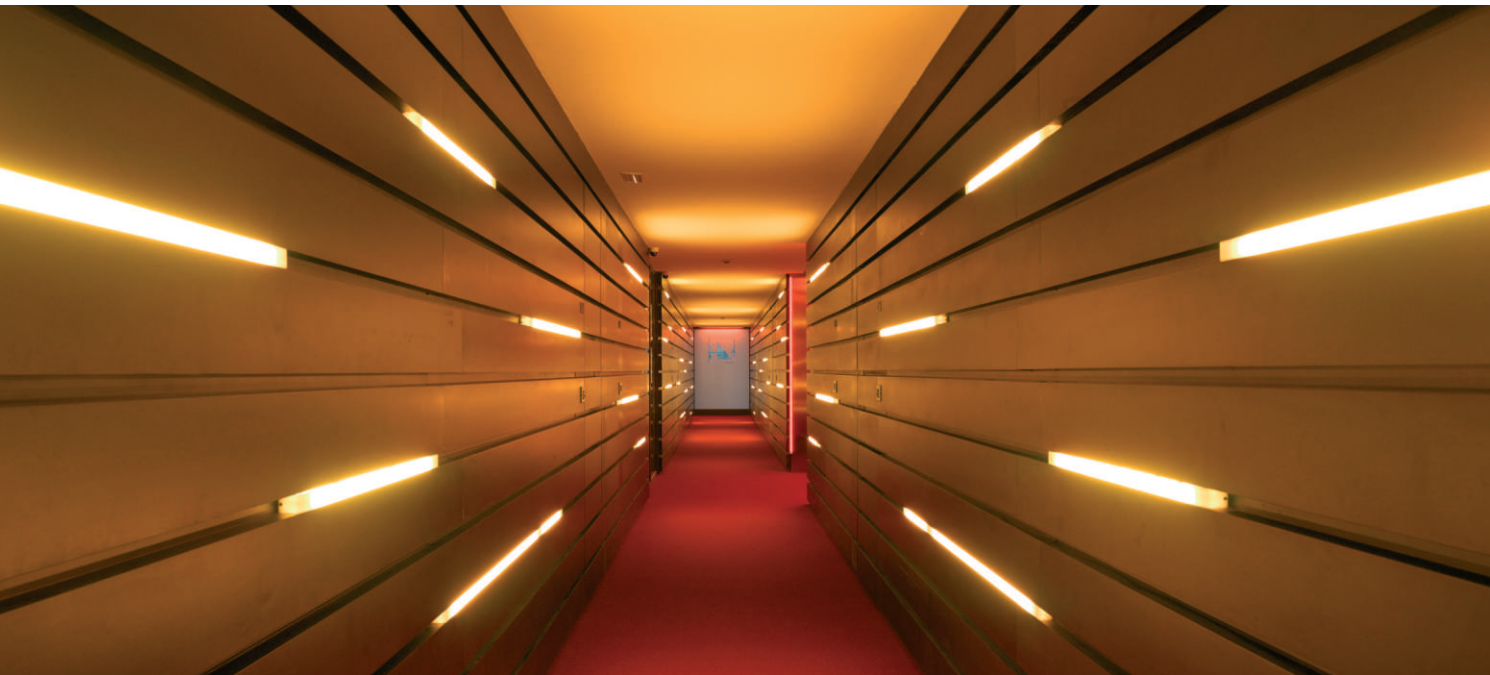
What is the future of the production plant near Ostrowiec Świętokrzyski? Are there any plans regarding its extension?

LUXIONA Poland currently hires about 250 employees, significant part of whom are workers in the production plant in Ostrowiec Świętokrzyski, while the rest are a highly developed commercial team. When we were joining the LUXIONA Group, there were certain doubts about the future of the plant and its workers, which were natural in such circumstances. Many people feared that the significance of the plant would become marginalized and workers would be left without employment. It turned out to be completely different. The demand for products manufactured in our plant has increased, the distribution to western markets is growing. We are currently planning an extension of the plant in order to increase the capacity, which is connected with bigger employment. Part of the technical competence of the Group was moved to our plant. A great example here is taking over all output competence connected with lighting in the so-called clean areas – I mean operating rooms, as well as lighting solutions for pharmaceutical, chemical plants etc.



Are there any plans regarding the acquisition of any other industry companies in Poland?

After joining the LUXIONA Group our offer was extended by several product segments. But we were still lacking architectural outside lighting. We were considering the acquisition of a supplier of this type of products, but we could not find a right partner. Public spaces in Poland require a change in the attitude to lighting, which should be an element of



architecture, and not only “give light” that is compliant with Polish standards.

This is the reason we signed an agreement with the company Heper+Moonlight offering high-quality technological solutions, not giving up the architectural function of products. The company offers solutions that can be compared to those of the world-class producers, at the price, however, which corresponds to the situation on the market on which we operate. Currently I am not planning any acquisitions in Poland, but I am not ruling out any acquisitions in Russia.

What fields does the company perceive as its chances for growth (e.g. the production of LED lighting)?

In our growth we put emphasis on architectural lighting. We try to reach investors and architects who create beautiful buildings and we wish to highlight their beauty through light.

The LED technology is only an element in our offer and at present it is more of a supplement to it, and not its main target. We can observe a trend to promote the LED technology and as a substitute for traditional lighting. For such transition to take place, however, it would be necessary for the costs of both solutions to reach a comparable level. Currently the costs of lighting up e.g. a supermarket, using only LED sources, is 4 times higher than it would be, if traditional solutions were applied.

Even if traditional technologies were commonly replaced by LED solutions, it would take place through market cannibalism, instead of the significant growth of the market. The LED technology does not currently serve as a market driver, but more as an enrichment in the offer. There are more and more examples of this type of application for this technology, which is perfect for decorative, illumination lighting and in situations, when low expenditure on upkeep and maintenance is an important factor. Basically each of our projects contains smaller or more important solutions based on the LED technology. At the moment it is important to advise our clients, where it is profitable to use such solutions, as in certain applications they are more justified than conventional ones. It is important that our clients get a fair presentation. Many companies of today present false

technical data, trying to gain unfair competitive advantage. Many clients have already found out that relying on cheap Asian LED solutions is a sheer waste of money. We have carried out investments based only on the LED technology as well. If our clients demanded that we switch to LED solutions – we are ready to do that. It is worth emphasizing that being a member of the Group, we dispose over extended process lines which are dedicated only to this technology.

How does the sales network function (do LUXIONA Poland products reach stores like Castorama as well ...)?

The activities of LUXIONA Poland are focused on the B2B segment, as we cooperate with professionals of the electrotechnical market and with architects. We do not intend to change that because of the specific character and technological complexity of our offer. The sales of this type of solutions is even harder, as it is not always clear who the final decision-maker is for a given investment.

For this reason we keep an extended network of Agents all over the country and we reach professionals who expect not only a product offer, but also technical support and counselling. This is the main reason why we hire specialists who become partners both for an architect or investor and for the electrical designer and the contractor. Our Agents sell more of counselling services than products themselves, which more and more often tend to become a tool used for getting an expected effect. We also have an opportunity to create solutions designed especially to fit the requirements of particular investments. The list of products included in a catalogue is only a starting point for creating a lighting project.

We intend to develop this model of activity, so as not to become one of many suppliers of products to construction supermarkets, without the possibility to guarantee a proper service to the final customer.

Does the Company execute bigger orders, e.g. concerning the lighting in public buildings, street lighting etc.?

We carry out major and more and more prestigious and comprehensive lighting solutions, which require the application of modern technologies. We have supplied i.a. the solutions for the Central Station in Warsaw. This investment was a big challenge for our company, as the assumption was to adjust a new offer to the existing technical conditions, as a result of which it was only a modernization and not entire reconstruction. We had to create dedicated lighting solutions which, on the one hand, would comply with all standards and on the other hand would offer the sense of comfort to the travellers.

We have also provided lighting for many significant facilities in Poland, such as Atlas Arena in Łódź, Cancer Prevention Center at the Oncology Center in Warsaw, Catalina office building in Warsaw, the network of Era GSM stores, Levi's stores or the recently opened first GAP store in Poland.

As a Group we can also take pride in the implemented projects such as the Sagrada Familia cathedral designed by Antonio Gaudi or the City of Justice by David Chipperfield. It is also worth mentioning that we are an undeniable leader on the market of lighting solutions meant for the so-called clean facilities, such as hospitals or pharmaceutical plants in Poland.

What contracts does the company expect to be awarded, in what tenders does it participate?

Due to the specific course of decision processes, we cannot participate in tenders for construction investments. In turn, we often serve as a supplier of comprehensive solutions. We also deliver our solutions for investments as a preferred supplier, which is possible thanks to our reaching investors appreciating the usefulness of our solutions and additional advantages brought by our service, conditions applied to guarantees and the unique quality within acceptable financial framework.

Our strength lies in the unique offer, but we do not try to compete by means of our prices. We believe that the producers of lighting solutions should rather form an alliance and compete with other industries, as well as work on the development of the lighting market. Lighting is a field where many contractors try to find savings, despite the fact that the costs of lighting make up 2-5% of the costs of entire investment. It is possible to use a range of the most expensive construction and architectural solutions, which will not bring any effect, if there is no final touch of proper lighting. It is the lighting that highlights the elements worth highlighting and creates the expected atmosphere. True saving should thus be looked for in other constituent elements of an investment. I would personally advise all investors, for whom it is important that their investments are beautiful and unique, that they do not try to save money on lighting. They just need to contact us – we will take care of everything.



The interview was published in the "World of Architecture" magazine (Polish: "Świat Architektury" – 11/2011).

The Supermarket Programme



It is a special offer containing solutions dedicated to this market segment. It is based on specialist technical solutions enabling the application of lighting in stores that is going to bring considerable benefits to their owners. The main idea behind the programme is the new approach to the function of light in a store (from light "overflowing" a store in an uncontrolled manner to "hiring" light in the character of a merchandiser).

The Energetab Fair 2011

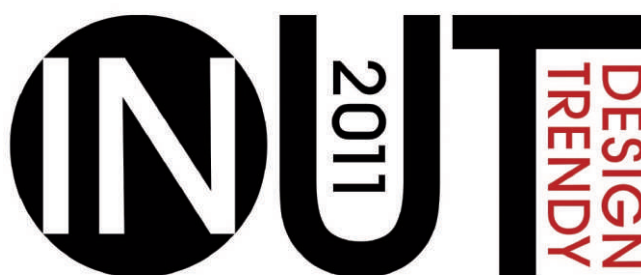
Between 13 and 15 September LUXIONA Poland participated in the Energetab Fair in Bielsko-Biala. This year's event hosted more than 680 exhibitors. It was a record-breaking edition of the fair in terms of the turnout of exhibitors and visitors.

The fair was a great opportunity to meet present and prospective clients and to exchange experiences and adopt new plans for the future. We wish to kindly thank all clients and visitors of our stand and to encourage everyone to stay in touch with our representatives.

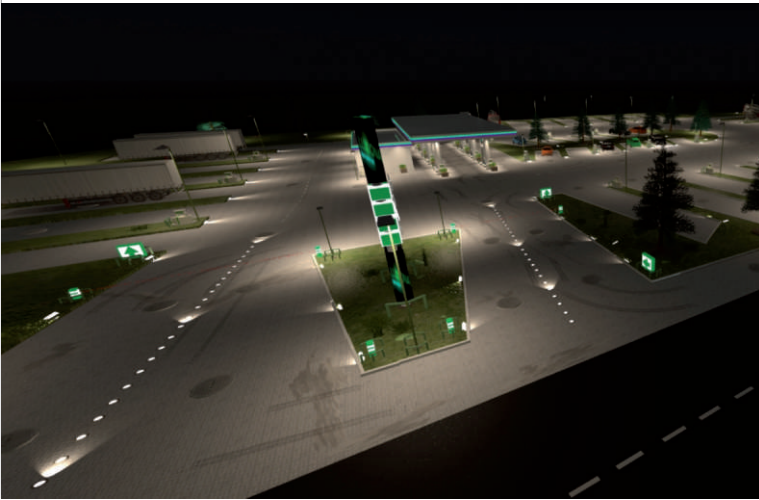


In Out Design Trends

Another meeting with architects was held on 15 September as part of the InOut Design Trends 2011 series organized by Info-Inwest. This time the event took place in Białystok in the Śleńdziński Museum. The meeting enjoyed great popularity. More than 80 guests appeared and had a chance to become familiar with the offer of several companies (including LUXIONA Poland S.A.) and to look for inspiration in their presentations.



The "Green Gas Station" Programme



This is a programme for gas station owners, giving them the opportunity to optimize the lighting of particular elements of their facilities. Our solutions enable an unattended operation of the system and bring energy savings. At the same time it is possible to obtain the effect of unlimited visibility of a station and the sense of comfort for clients.

PRCH Retail Awards 2011



On 12 October the "Fabryka Trzciny Art Center" of Warsaw hosted the Final Evening of the PRCH Retail Awards 2011. The greatest emotions were evoked by the charitable auction for the benefit of the "Fulfilled Dreams

Foundation". It was possible to raise over 80 thousand PLN. More than 30 thousand came from the auction of objects put for bidding. The winners received i.a. the book entitled "Lech Wałęsa", a comic book by Jakub Rebelka and Denis Wojda, a T-shirt of Marcin Gortat and dinner with leading actresses of the movie "Lejdis". Another object put for lottery-drawing was a decorative horse of natural size provided by the Editors of the "Kikimora" Magazine. The employees of: CAELUM DEVELOPMENT, LUXIONA Poland, DEICHMANN, SFINKS POLSKA and C&A undertook i.a. to organize a balloon flight for children, workshop in jewellery design and origami, Christmas meetings with

Santa Claus in oncology wards and reading tales to children. In addition, the LUXIONA Poland company undertook to provide lighting for oncology wards worth about 35 thousand PLN. Children are also going to receive backpacks, toys etc. The total amount of donations obtained at the bidding for the unique horse was over 50 thousand PLN.

Partnership for Sustainable Construction



In 2011 LUXIONA Poland was a partner in a series of meetings organized by the Partnership for Sustainable Construction. Each meeting was devoted to a different subject connected with sustainable construction. The issues brought up were related to the financing and legal aspects or planning of the entire investment. The series enjoyed great popularity not

only among architects, but also among representatives of companies with various activity profiles, being different members in the cycle of creating a sustainable construction investment.

Light and the taste of wine... a few words on designing

Did you know that the color of lighting has a significant impact even on ... the flavor of wine you are sensing?* You didn't? That's not a problem. This and other secrets of lighting are perfectly known to our engineers from the Lighting Projects Department of Luxiona Poland, who use their knowledge in everyday work on projects performed for our Clients. Though providing their advice to investors, architects and end users concerning the choice of optimum lighting, they can make a given surface both attractive and efficient.

ENGINEER? ARTIST? PSYCHOLOGIST?

A lighting designer is a one-man band. They must have a sound knowledge in many, seemingly different fields. Both technical aspects are of great significance here (electrical power, luminosity, angles required for light distribution, color rendering index, temperature of colors), as well as artistic, psychological, esthetical or environmental ones (interior arrangement, selection of colors, respecting natural environment). A lighting designer must also show their ability to communicate with all parties in the designing process. The key to success of the entire undertaking is a right understanding of the client's needs and reflecting them properly in a specific design.

Light is an inseparable part of the architecture of a building, an interior or a landscape. Lighting designers create space by means of light and light is only and as much as a completion of every space. As a result, it should harmoniously constitute an element of an architectural design and bring out its potential, not diminishing the role played by other elements of architecture. Depending on the designer's concept, light can discreetly or considerably highlight the character of interiors, according to their purpose and in



harmony with the entire building.

Everyone who has ever had contact with a construction investment is perfectly aware that the success of the entire investment depends greatly on the timely performance and quality of the design implementation, as well as on high flexibility. Our designers understand the needs of contemporary architects and investors, which is why these three aspects of works on a project constitute a permanent element of their cooperation with all parties involved in the construction process.

INNOVATION REQUIRES KNOWLEDGE AND TOOLS

Designers of LUXIONA Poland have a proven technical knowledge gained at the faculty of lighting technology of the best technical universities in Poland. In addition, they systematically participate in trainings in the field of lighting engineering, designing, low energy consumption and computer assistance systems. They have high-class tools and software at their disposal to support the designing process, i.a. Auto CAD, 3D Studio Max, Dialux, SolidWorks, Solid Edge, Relux, LiteStar. Additionally, the cooperation with technical universities and designing departments of art universities provides them with permanent access both to most recent



developments in the field of lighting technology and to modern trends in designing.

CLOSER TO INVESTMENT CUSTOMERS

Being an expert in the field of lighting and a supplier of comprehensive solutions, LUXIONA Poland assumes the role of consultant and advisor to the Client at every stage of implementing the construction investment. It is the Lighting Projects Department, in cooperation with the Sales Department, who aims at making the supplied lighting solutions optimum for the Client and compliant with the concept suggested by the architect. This is why this year we have reorganized

the structure of the company in a way for the Lighting Projects Department to bring together all key designing competences, which makes it possible to react more quickly to the dynamically changing needs of our clients and to the terms of investment processes.

Thanks to a many years' experience in designing, gained both in Poland and abroad, we are able to successfully implement innovative solutions in order to optimize both the costs of the applied lighting system, as well as the entire cycle of its use.

Our Designers – experts in the field of lighting – guarantee a full scope of counselling, from the stage of investment concept until the stage of building permit design and interior arrangement created

for particular users. They also carry out lighting audits in existing facilities prepared for modernizing or adjustment to higher standards. Counselling by lighting engineers includes a full scope of services in the field of lighting offered by LUXIONA Poland.



*according to tests carried out on 500 volunteers at the Psychology Institute of the Gutenberg University in Mainz, Germany. Scientists discovered i.a. that in a room with blue or red light wine would receive higher notes than the same wine served in rooms with green or white light. The flavor of wine was also sensed in a different way – in the rooms with red or blue light, the survey participants found wine more sweet than the taste of exactly the same wine tasted in rooms with white or green light. In addition, the participants were ready to pay more for wine tasted in rooms with red or blue light.
[Source: D. Oberfeld et al., Ambient lighting modifies the flavor of wine, Journal of Sensory Studies, 24:6, 797-832, 26 June 2009.]

Catalina Office Center in Warsaw

Catalina Office Center is located at the corner of Puławska and Rzymowskiego streets in Warsaw, near the apartment complex "Przy Wyścigach". The body of the building was designed in a way to enable the fitting of the facility into the specific surrounding, at the same time having the office building properly exposed from all directions.

Office space was distributed around the central part containing elevators, staircases and sanitary rooms. This solution enables great flexibility in shaping the arrangement of office rooms. As a result it possible to adjust the space to the specific requirements of users. Depending on the required function, it is possible to arrange small rooms, as well as "open space" areas. Apart from office space, the building can also contain catering outlets or stores and a garage.

Lighting

The Catalina office building is an example of a very interesting architectural concept, based on creating long and shining lines of light. Other concepts were connected with illuminating ceilings and creating interesting arrangements of fittings in various locations of the building. The applied solutions affect the overall perception of the interior, both by persons spending a lot of time inside the office building and by visitors.

The design for providing lighting to the Catalina building was created over a period longer than ten months. During that time it was possible to create solutions enabling optimum light intensity and equal distribution of light with the biggest possible savings of energy.

Outside lighting was designed in a way to highlight the dynamic and yet light body of the building, but it is only a supplement to architecture. Wall lamps on the pillars in the entrance zone, together with the downlights in the arcade, highlight the entrance and create the base for the building. The main part – a front facade made entirely from glass – was designed in a way to present only the horizontal lines of windows, which in the evenings are illuminated with inner lights. This part does not contain any outside fittings. On top of the building there is a light roof – a cornice covering the terrace around the technical floor – finished with advanced small roofs. The entire structure, in order to highlight the dynamic effect – is illuminated from the bottom by means of floodlights.



Location/ address: Warsaw, Al. Wyścigowa 6
Architectural office: Szaroszyk&Rycerski Architects
Leading architects: Piotr Szaroszyk, Jan Rycerski, Paweł Kwaśniak
Architects: Mariusz Cendecki, Marta Chojnowska, Marcin Domitrz, Michał Mrówka, Jarosław Piróg, Magdalena Starzak
Lighting fittings and illumination of the building: LUXIONA Poland S.A.





Mercedes showroom in Stryków

The Mercedes showroom in Stryków is particularly interesting due to its specific location and the resulting requirements regarding its structure and functions.

The facility is located at the crossing of A1 and A2 highways. Due to its situation a few meters below the level of the roads, the design had to contain non-standard solutions making it possible to achieve visibility of the showroom itself, but also the exposition from the highway level. It was essential to use land in a way for the showroom to be visible from various directions.

This is the reason for adopting a non-standard location of a showroom on the upper floor. As a result the trucks presented there are clearly visible from the road level both during the day

and at night, which is possible thanks to the lighting installed inside the showroom.

Lighting is a very important element of the showroom, which guarantees a proper presentation of vehicles and the showroom itself. The tasks to be fulfilled by a lighting system in such a facility include not only a favorable presentation of products, but also creating an atmosphere conducive to sales. The light is supposed to enchant the customer with the magic of the place, to create the atmosphere of luxury and the unique moment of making a choice.

The perceptible comfort should be remembered by a client long enough that they want to come back to the store, convinced of the high level of the offered products and services.

In addition, in order to achieve the best effect of the showroom interior, the game between shadow and light was used to lead the client and draw their attention to particular models of the presented cars. Thanks to such application of light, we can also avoid the effect of blinding the clients and workers moving around the showroom.

In this particular showroom's case it was also very important to attractively illuminate the outside parts of the building and the vehicles placed in the shop window or in another

visible place in front of the store, serving as "magnets" for clients.

The entire design involved the application of such solutions that could make a full use of the possibilities and limitations of such strategically located facility and as a result could make it a place clearly visible and eagerly visited by clients.

Location/ address: Stryków, Smolice 1L, Tulipan Park
Architectural office: Architectural office of Ewa Szmidt
Leading architect: Ewa Szmidt
Architects: Krzysztof Jabłoński, Kamila Kamińska
Date of implementation: February 2010 - December 2010
Investor: EWT TRUCK & TRAILER GMBH, Austria
Agent preparing the investment:
EWT TRUCK & TRAILER POLSKA Sp. z o.o. in Ołtarzew
Total surface:
Main building: 8,091.66 m²
Semitrailer installation hall: 2,624.60 m²
Porter's lodge: 93.89 m²
Footprint area:
Footprint area of the main building: 6,458.45 m²
Footprint area of the semitrailer installation hall: 2,624.60 m² – planned for performance in the future
Footprint area of the porter's lodge: 93.89 m²
Gross cubic volume:
Main building: 54,638.25 m³
Semitrailer installation hall: 25,857.58 m³
Porter's lodge: 329.36 m³
General contractor: Mirbud S.A.



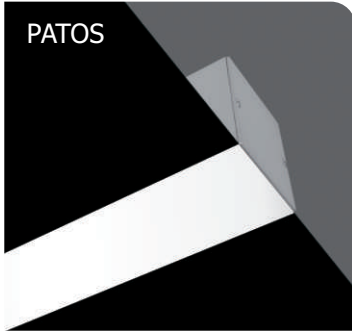
What tasks are to be fulfilled by modern lighting fittings? Is it the most important task faced by the designers of today to guarantee the most optimum use of electricity, or maybe another thing is becoming even more important - namely introducing new design trends reflecting modern changes in interior design? We hope that the new products introduced by LUXIONA Poland will help you answer these questions. Among the new products you will find ones that are excellent in terms of energy efficiency, but at the same time you can find products featured by unique design, giving you a chance to add modern character to your interiors.



X-LINE SNAKE

A luminaire for T5-type fluorescent lamps, with the body made of aluminium profile and the optics of fitting guaranteeing high efficiency of the system. Fittings made in the SNAKE system are joined at an angle of 120 degrees, which enables the creation of unconventional lines of light and systems in a hexagonal shape. Assembly of the fittings is possible directly to the ceiling or a wall or also on suspensions. The fittings can become a decoration of representative places in various types of facilities, especially in entrance areas, reception areas, restaurants, hallways etc.





PATOS



PATOS

In the days of high requirements concerning the style and lighting parameters of products, architectural interior lighting should be featured by a unique design of simple and elegant form. Patos is a luminaire dedicated to galleries, museums, offices, clubs, restaurants and hotels, which adds individual and modern character to every interior. It is a system of recessed luminaires for T5 linear fluorescent tubes, aimed for building in plaster-board suspended ceilings. The body is made of aluminium profile. The diffuser is made of material having a very good light transmittance factor and good parameters of light diffusing.



FLYING SURFACE



FLYING SURFACE

The idea of Flying Surface was caused by the need to create surfaces that give light, at the same time creating the impression of freely floating on air. The effect turned out to be extraordinary. Flying Surface creates unique lighting effects in every room and makes it possible to observe a game of light in its pure form. Another distinctive feature of this solution is the uniformity of light, achieved by means of fluorescent tubes and the special structure of fabrics. The fitting is made of steel painted white with embedded balancer. The external finishing is a layer of white fabric on a PCV base. The accessories include T8 linear fluorescent lamps and an electronic dimming ballast.



METROPOLITAN



METROPOLITAN

Metropolitan is the type of modern and decorative lighting for open spaces. Thanks to using a high performance reflectors, we were able to achieve the highest possible lighting efficiency, at the same time guaranteeing a high level of uniform distribution of light and the visual comfort which is expected from illuminations of outdoor spaces like parks or big interiors like halls and corridors. Apart from highest lighting parameters, we have also guaranteed the high quality of finishing. We have applied high-class powder paint and aluminium resistant to the most challenging weather conditions. As a result, the products keep their perfect look throughout the period of usage.



KUBIK

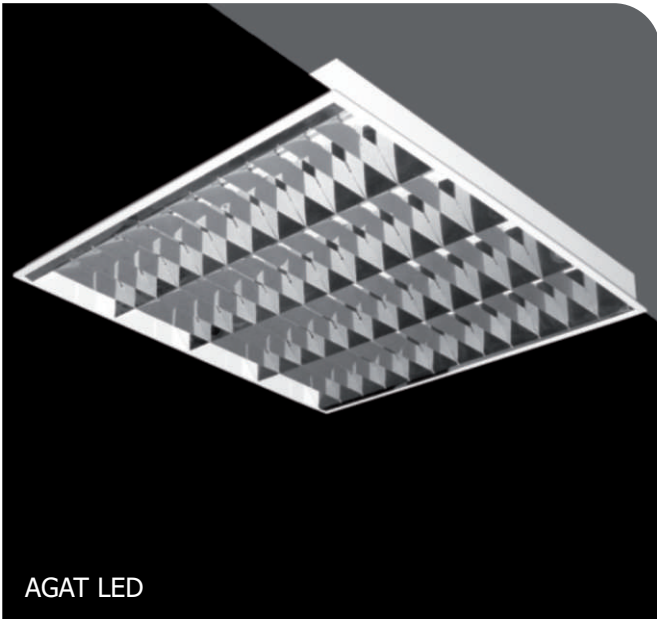
Outdoor architectural lighting fitting with body made of aluminium and optics showing wide scope of possibilities to create various arrangements and light distribution. The fitting is aimed for creating decorative architectural effects on front elevations and facades of buildings, but it can also be used for illuminating entrance areas and access ways to buildings.



OKTAN LED

Industrial lighting fitting of the low-bay type. The optics consist of new-generation lenses and a screen with very good lighting parameters. The fitting is aimed for use in facilities like gas stations, as well as industrial buildings and warehouses. Thanks to the exceptionally long lifetime of the light source, the fittings are perfect for applications where service access to fittings is limited or even impossible. At the same time this type of fitting is resistant to low temperatures, which broadens the area of its use by refrigerators and freezers.

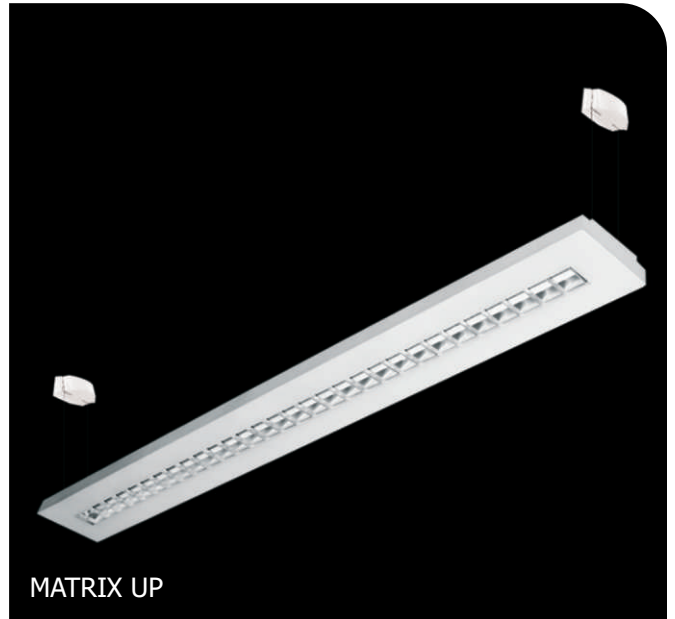




AGAT LED

AGAT LED

Recessed luminaire for suspended modular ceilings, it was designed especially for the latest generation of LED light sources. The body is made of powder coated steel sheet. The fitting has an innovative high efficient optics , using the advantages of LED light sources, made up of specular or mat louver and a transparent diffuser. The fitting is aimed for modern office interiors, conference halls and "open space" areas.



MATRIX UP

MATRIX UP

Suspended luminaire with predominant indirect light distribution. The quality of light is a more and more significant element of a space and an increasingly bigger role is played by uniform light distribution without the effect of a discomfort glare. Due to its good optical properties, the luminaire is dedicated to facilities like offices, conference halls and it should also be perfect for school premises.



BERYL MV21 32

BERYL MV21 32

Downlight recessed luminaire for compact fluorescent lamps. The ring of this luminaire is made of aluminium casting and powder coated with structural paint. The optical elements are made of aluminium and guarantee the high efficiency of this type of fitting, whereas the use of a single light source and an optimum electronic control system makes it possible to increase the energy efficiency of the luminaire which is a part of family SES - Super Energy Saving system. The SES system luminaires achieve optimum lighting parameters in premises with guaranteed permanent temperature of operation, i.e. in offices, commercial premises or galleries.

Real Energy consumption – 28W with 32W power of luminaire



LUXIONA
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