

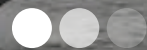
SPECIAL EDITION

# LUXIONA

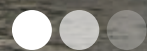
LUXIONA Poland Magazine



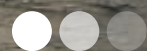
THE SUMMARY OF THE 2015  
TECHNICAL CONFERENCES



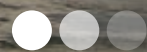
EVENTS



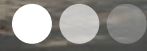
REALISATIONS



EXPERTS OPINIONS



PRODUCTS



8<sup>th</sup> edition

LUXIONA  
Poland

troll

heper<sup>+</sup>

MOONLIGHT<sup>+</sup>

metalarte

Sagelux



## FROM THE EDITOR

LUXIONA Magazine published regularly has won a large group of readers. With great pleasure we present you next issue of our magazine.

This time in our magazine we are discussing LED technology which lately is experiencing rapid development. Regular item in our magazine are interesting realisations where LUXIONA's luminaries are applied. In the present issue of our magazine, the architect Dorota Gwizdak is explaining the background of one of the projects-office building of Effect Glass Company. Additionally, using the example of Silesia Centre of Heart Diseases in Zabrze we introduce you new trends in Clean Room designing.

Undoubtedly, this year summer was dominated by series of lighting conferences organized by LUXIONA Poland. During our training programmes we had a great pleasure to host few hundreds of our clients.

Because of that in this issue we share with you this year's effects of our meetings.

**LUXIONA Magazine Editors**

# 8<sup>th</sup>/2015



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We kindly invite you to visit our website [www.luxiona.pl](http://www.luxiona.pl)



## The interview with General Director of LUXIONA Poland S.A. Rafal Wesolowski



**Rafal Wesolowski**  
General Director of Luxiona Poland S.A.



Realisation: Effect Glass S.A., Kielce

### Dear all,

With a great we present you next issue of LUXIONA magazine. In this issue you will find a short summary of our summer conferences which attracts the interest of our clients, presentation of our few newest products with separate article devoted to LED technology which we still develop. Traditionally we present the most interesting realisations of recent period, where we utilise the opportunities provided by our luminaries the best we can. During the summer time we organised the series of conferences for investment market as well as for distribution market. The conferences drew a great interest of our Clients, especially due to professional knowledge presented by our best specialists on the scope of lighting and presentation of our newest achievements in the field of modern lighting solutions. We also tried to provide you with relaxation and leisure. I believe you will be permanent participants of our next conferences. Taking the opportunity I would like to invite you to our summer conferences next year. I strongly encourage all of our Clients, who so far haven't had a chance to meet with us in Mikorzyn, to come next summer.

In this new edition of LUXIONA Magazine we present four interesting realisations we had a great pleasure to work on with our Clients. This time there are two medical facilities and one office building.

The first realisation described by us is illumination of Effect Glass S.A. office building in Kielce. This project was prepared by an architect Dorota Gwizdak from 2G Architecture Studio Wojciech Gwizdak. In the interview, which you can find in this issue of LUXIONA Magazine, an architect Dorota Gwizdak shares with her work experience as an architect and the use of light in her own projects. In the case of office building for the company producing insulating glass of the Effector brand, we tried to show professionalism of the firm of new technologies by creating modern, transparent and serious interior space. The light was used to create the climate of modern and friendly premises. How it was achieved by applying X-line, Agat POS or Toledo LED luminaries. You will find out more about this in the further section of our magazine.

LUXIONA Poland is the leader of clean room lighting. This is confirmed by many prestigious medical facilities, which we have illuminated by applying our lighting solutions dedicated for rooms, where high level of cleanliness is required. One



Realisation: Salve Medica, Lodz



Realisation: Silesia Centre of Heart Diseases in Zabrze

of our latest realisations is illumination of internationally renowned Silesia Centre of Heart Diseases in Zabrze, where we realised Hospital of Cardiology and Cardiac Surgery. Patient rooms were illuminated by X-line luminaries and offices by Agat POS luminary with a louver. The effect achieved in this project is shown on the photos shown in this magazine with detailed description of this realisation.

The tradition of the recent issues of LUXIONA Magazine is articles written especially for our Clients by our best experts in particular areas of company operations. This time Michal Szybalski, Director of Production Plant LUXIONA Poland S. A. in Jacentow, will present you rapidly developing and ubiquitous LED technology which also has taken the lighting industry. Our expert helps to distinguish professional LED light sources from cheap imported products which are flooding the electro technical market. The expert also draws attention to reasons why it is essential to use LED light sources in high quality luminaries and why LUXIONA Poland offers its Clients only solutions based on high quality products.

The best proof of such professional and responsible approach to the Clients of LUXIONA Poland is our newest high quality architectural luminaries made in LED technology: RIM LED, Tondo LED, X LED and exterior luminary Tosca LED. We recommend them in the further section of this issue.

At the end I left myself the great pleasure to invite you to read about one of our best sales reps-Rafal Perkowski, who is a successful sales rep as well as a sportsman. You can read about it later on in this issue. LUXIONA Poland supports also people from among its members who are successful in sport. On that occasion I wish him many further successes on both fields of his activities.



Realisation: KWK Poland, Swietochlowice



Rafal Perkowski, a racing driver who starts in Polish Supermoto Cup in class C2



# Summary of summer 2015 conferences in Mikorzyn



Rafal Wesolowski,  
General Director of Luxiona Poland S.A.

„It is the third year in a row when motor/water sports accompany our conferences. I am a big fan of motor/water sports and I am really glad that my co-workers share my passion. The whole setting is carried out by Luxiona's employees that bring us even closer to our clients during these events. Interestingly, this passion for motor/water sports is contagious and every year more and more of our employees join and ride on ski jets and motor boats. This year we had at disposal for our client's very interesting and powerful gear:

- CHAPARRAL Sunesta 244 motor boat 350 hp; this one we rode admiring the landscape.
- BAYLINER 215 BR motor boat 300 hp this year we used it as a towboat for other water attractions.
- Sugar Sand Tango motor boat 175 hp, the craziest boat because some of the passengers fell overboard.
- Sea-Doo RXP-X 260 hp, the most sporty ski jet, pure adrenaline our clients will remember this for long...
- Sea-Doo GTX 260 hp, the most comfortable ski jet with a huge power, it is easy to make mistake riding on it.
- Sea-Doo GTX 155 hp, this is more gentle version for those who like calmer riding.
- Sea-Doo GTR 215 hp, this ski jet joins sport and leisure, very fast. During all of our conferences we have ridden for you all together 400 operating hours, which accounts for 15 000 litres of fuel. Even though many of you got soaked there was a smile on your face fuelled by adrenaline. See you on our next conferences”.





**Bogumil Korotkiewicz**  
**Consultant of Management Support**

"For three years we have been organizing technical conferences for our clients in Training and Recreation Centre 'WITYNG' in Mikorzyn. We started with four trainings next year there were twelve and in the summer season of 2015 we organized fourteen conferences. This year's conferences were dedicated for architects, designers, investors, electricians and distributors. The conferences drew a lot of attention. It is a skilful combination of professional technical conferences conducted by Luxiona's best experts and the time dedicated for active leisure. Various water sport attractions and the evenings with shared supper, good fun and always some kind of surprise. In the year 2015 we had 700 participants from Poland and abroad who took part in our conferences. The conferences were directed towards the Clients from two different markets-investment market and distribution market. Organizing a series of a dozen conferences is a huge logistic challenge. Preparations usually begin at the beginning of the year when we agree on a range of topics for trainings, we prepare presentation materials and we begin the process of inviting our Clients, which usually lasts till summer. The conference profile requires accurate timing of two parts of our conferences: training and leisure. They intertwine during the day. Sometimes weather has an influence on an agenda of the conferences and we have to change the plan but we are very flexible and we immediately conform to the changes, so our guests do not even notice it. Simultaneously we ensure that all prepared attractions are available. Good location of the hotel helps us with that. Everything is in one place, conference rooms, bed and board and all attractions. We have already started preparations to organize our 16th conference, which are planned for 2016, the best we can. I would like to take this opportunity and I kindly invite you to take part in our conference in a suitable time for you. About the time of the conference you will be informed soon".





Eugeniusz Oleksiak  
**Research and Development Manager**

„In order to bring out the attractiveness of the interior it should be well illuminated. Various types of premises require different applications therefore during this year presentations I have discussed for you over 100 products, showing possibilities of their use. As lighting passionate and the Manager of Research and Development department in my applications I join harsh technology with aesthetic, simple form and art. During this year conferences the biggest interest was aroused by architectural luminaries from the offer of Luxiona Poland such as: Tondo LED, X LED. At the meetings with our Clients Mosaic system which consists of arch and straight element attracted a lot of interest. Combination of these two elements creates unlimited possibility of interiors arrangement. Comments and suggestions were a significant element of the conferences concerning the construction of our luminaries, especially those from architects related to appearance and installers concerning mounting details. Informal talks on the sidelines are an invaluable source of inspiration to further work on new solutions“.







**Grzegorz Nowakowski**  
**Manager of Design Department**

„The conferences were conducted in very good and friendly atmosphere. Undoubtedly, the great asset of the conferences is possibility to gather in one place lighting designers, specialists of luminary's construction, trade specialists and our Clients. The time spent together created a space to exchange ideas, opinions and experiences in the terms of lighting design. Behind the scenes talks there were opinions that lighting department of LUXIONA executes projects in a comprehensive way, responding to the Clients needs. Following the voice of invited domestic and foreign Clients, highlighting the importance of lighting projects, newly developed design strategy first of all emphasizes the quality of created lighting concepts”.



**Paweł Szot**  
**Attorney**

„Two day cycle of meetings is a great opportunity for discussion issues concerning the law between lighting specialists and Clients of LUXIONA. The world of light evolves the same as the world of law. In my opinion demonstrated practices in this field, knowledge exchange and legal experiences and on the other hand research experiences, demonstration of innovative technologies are indispensable elements of cooperation with Clients. Current cooperation with LUXIONA and participation in the conferences show how complicated legal matters have an influence on actions taken by the organisation. Mentioning conferences in which I had pleasure to participate, besides lectures and seminars which were held under the patronage of General Director Rafal Wesolowski, we went together for walks in picturesque surroundings. The conferences organized by LUXIONA it is also an excellent way to relax, stress-free time, celebration and personal relations to be built. Personal relations facilitate later communication with business partners helping in cooperation. Now only nice memories remain. See you next year!!!”.





●●● EVENTS





Piotr Adamczyk,

**Director of Domestic Sales LUXIONA Poland**

„The conferences which we have organized this year were dedicated for architectural design studios, designing offices as well as widely understood distribution. There were also Investors, General Contractors/Electrical Contractors who also came in large number on our conferences. It should be noted that it is a third year in a row when we organize summer conferences SUMMER WITH LUXIONA. Based on the opinions of our Clients we can unequivocally state that they have become annual events. During this year 14 conferences we trained about 700 Clients. As probably everybody knows it is the only one event during a year when LUXIONA can present the whole portfolio of the newest products and taking into account development of LED technology as well as new trends in lighting.



Thanks to the conferences it is possible to see and touch luminaries, which serve our clients in everyday work. No less of importance is a possibility to meet with constructors and representatives of production plant. Only thanks to such meetings and exchange of experiences our company moves forward all the time and succeeds in the field of lighting. Besides the thematic block 'NEW PRODUCTS' we also dedicated some time to share our experience in the range of legal protection of our projects. The presentation was run by Attorney Pawel Szot, who presented current regulations of construction law in practice. Thematic block 'LEGAL PROTECTION OF PROJECTS' was popular among our Clients. Apart from substantive part, which drew a lot of attention, our Clients participated in water sports attractions. Owing to the hotel location and 'heated water' this part of the conference attracted a huge interest. Motor boats, water ski jets, 'bananas', it was only a part of attractions prepared by LUXIONA for its Clients. In the evenings there were even more surprises, awards and a show of dancing group "KOLEJORZ GIRLS". The Clients who I had a chance to exchange observations on the conferences they always said, they are going to come back next year! So, see you in 2016".



Michal Szybalski

**Director of Production Plant, LUXIONA Poland**

„At this year's conferences we have demonstrated about 80 new lighting solutions, which were drew a lot of Clients attention. When conducting this year's training I particularly emphasised on bringing closer LED technology. This technology has been changing very quickly and dynamically. Substantial differences between LED products, taking the right purchasing decisions on the LED market solutions; they were main element of my trainings. This year's conferences showed our Clients that we have modern technology, specialist knowledge of lighting due to this we are a great business partner. Prepared water sports attractions which were a part of the conferences and part of leisure and integration. They often provided an opportunity for our Clients to take an advantage of that madness often first time in life. During the time we spent together on water the most important for me was Clients satisfaction. I remind myself the Clients, who when mounting on a ski jets asked to go slowly and then said: 'faster', expressing their joy and desire to do it again...".



Piotr Walkowiak,

**Regional Sales Manager**

„This year's conferences were very popular among Clients. During the summer season of 2015 more than 60 from Kujawsko-Pomorskie region took part. In the opinions of clients who came in large number it was confirmed that conferences are an important platform of exchanging experiences between LUXIONA Company, the lighting producer, and recipients of lighting solutions. We organize conferences among other things to ensure the highest standard of provided services as well as introduce our excellent commercial offer. Presence of lighting professionals and activity of the participants is the evidence the growing need to organize more meetings of this kind. The meeting of representatives of various groups demonstrates that we are taking further steps towards the improvement of our company, which capably reacts on changing needs of our Clients and creating new trends on the lighting market. I thank all my Clients for active participation in the conferences".

## Rafal Perkowski-sponsored by LUXIONA Poland

It is a pleasure to inform you that LUXIONA Poland as a dynamic and successful company in lighting industry supports the sportsman-Rafal Perkowski, who with passion and dedication, consequently strives to achieve the best results.



### Rafal Perkowski

Racing driver starts in Polish Supermoto Cup in class C2, and at the beginning of 2016 season in Poland Championship class S2. In LUXIONA Poland Rafal has been hired as a Senior Key Account Manager.

#### From passion to results

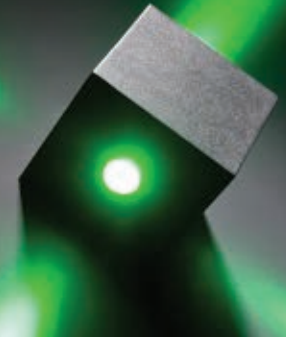
Rafal regularly starts and trains almost every weekend on asphalt racetracks and motocross tracks in Poland as well as abroad (the Czech Republic or Italy). Since 2011 he has been a member of Radom Automobile Club.

#### General classification achievements:

- 2011 – 5<sup>th</sup> place
- 2012 – 10<sup>th</sup> place
- 2013 – 8<sup>th</sup> place
- 2014 – 6<sup>th</sup> place
- 2015 – 3<sup>th</sup> place, and advanced to Poland Championship







Supermoto is a discipline which connects road racing with motocross. Contestants race using 17 inches wheels and slick tyres on motocross bikes. Competitions are usually held on go-kart tracks joined with off-road section with jumps and bands. The contestant must be thoroughly prepared to race on the asphalt as well as off-road.



# Effect Glass S.A., Kielce

## - Headquarter-Kielce

The Interview with an architect Dorota Gwizdak



Applied luminaries: X-Line G/K, Agat Pos with perforated mesh and louver



## Architectural studio:

2G Studio, Wojciech Gwizdak,  
15/19 Prosta St. 25-371 Kielce  
dorota.gwizdak@2gstudio.eu  
www.2gstudio.eu



## What is the mission of an architect nowadays?

It is difficult and complicated question. The world is so compound, that architects, as well as people of other professions have a lot of different tasks to do. However, it seems that the basics of this profession are unchangeable. An architect should provide experience and expertise to an investor to spend money on space which meets their expectations, will be functional and matched to user needs the best possible. The fact that our clients have various expectations causes that we have different missions to accomplish and the architecture is so interesting.

## In the architecture there is an inherent conflict between realisation of creative aspirations and rational approach to the project itself. Do you encounter this type of conflicts in your everyday work? How do you find the golden mean?

Architecture is a mixture of art and technique but also it is a mixture of opportunities and expectations. Conflict is not the right word here, rather tension, creative tension. This is something that enforces architects to search and causes that in our work we never rest on our laurels. Therefore, an architect is an economist as well who is looking for solutions and ideas which will meet the almost impossible criterion: the best possible, the cheapest possible. It means how to organize the space to serve well. Architecture is an art of changing prospective drawbacks and limitations into success. For instance, in the office building of Effector Company there were very low binders in corridors. We have applied there classic ploy. Instead of covering and masking them, we have emphasised them and we have created characteristic element of space. The limitations of reconstructed building we have used as its assets.

## How would you describe your approach to the process of design?

The most important is to have an idea and to know what kind of effect you want to achieve. But generally speaking, architectural design means many hours spent on the project in order to be able to offer optimum solutions for client. I try to draw a lot by hand, both views and projections. I think the best during drawing and at the same time I can test my ideas. The sketches are very useful when I meet with my clients. I also try to be up to date - I go to architecture trades, factories and I follow the newest products on the market in magazines or catalogues.

## What kind of projects do you specialise as a team in?

In principle we design everything, beginning with interiors and ending with spatial planning. However, lasting for many years process of deterioration of building regulations causes that we are more reluctant to the projects which require construction permits. Therefore, we would like to focus on interiors. But very often is that we plan something and life writes its own scenario.

## What factors decide on how architecture is perceived and to what extent have you managed to implement it in the project of Effector building?

Every project is a sum of victories and failures. Fortunately, in the Effector project the victories significantly prevailed. Effector is a company of modern technologies and this was our guideline in order to design the interiors. We tried to create modern, transparent and businesslike space conceding company's professionalism.

Currently, the wide selection of available materials and products,



Applied luminaries: Agat Pos with perforated mesh and louver



Applied luminaries: X-Line G/K



Applied luminaries: Tondo Led, Agat Pos with perforated mesh and louver

possibility of varied applications gives unlimited conditions to 'express' all kinds of ideas. If you find an investor who is interested in non-standard solutions, chance of achieving planned effect of perceiving architecture becomes reality. In the case of Effector we had this opportunity.

**Does the selection of lighting have any influence on the created space?**

I have an impression that lighting is one of the fields of construction industry where development is very rapid. The newest





Applied luminaries: X-Line G/K, Beryl KN LED customised product

lighting products give architects the chance to realise extraordinary ideas and this always improves the attractiveness of architecture. In the case of Effector we tried to use light to create the climate of modernity and friendliness and not forgetting about "an art of moderation".

**In your opinion, what role should light play in the illumination of this kind of objects?**

Light is a tool. On one hand it is only a technical function because we cannot work without light. On the other hand light can act a decoration, emphasise, create a climate of the interior, can be an ornament or an icing on the cake. Every place, every room requires an individual approach. The place where we work or rest should be lit differently than conference room or entrance hall. When we talk about light designing we can notice an increasing role of technical and product consulting of lighting supplier.

**Do product offering and lighting solutions of LUXIONA Poland fulfil your expectations?**

Thanks to products of LUXIONA we had high level of flexibility in realising our ideas of interiors illumination. Luxiona has so wide variety of products that we did not have any problems with selection of luminaries for functional as well as aesthetic requirements and customised luminaries met our expectations during the process of project realisation.

**How do you assess the cooperation with LUXIONA Poland?**

Substantive and professional.

**Thank you for the interview. Editor of LUXIONA Poland Magazine.**



Applied luminaries: Tondo Led, Agat Pos with perforated mesh and louver



Applied luminaries: Agat Clean

# Silesia Centre of Heart Diseases in Zabrze

- Hospital of Cardiology and Cardiac Surgery



Applied luminaries: Agat Clean T5

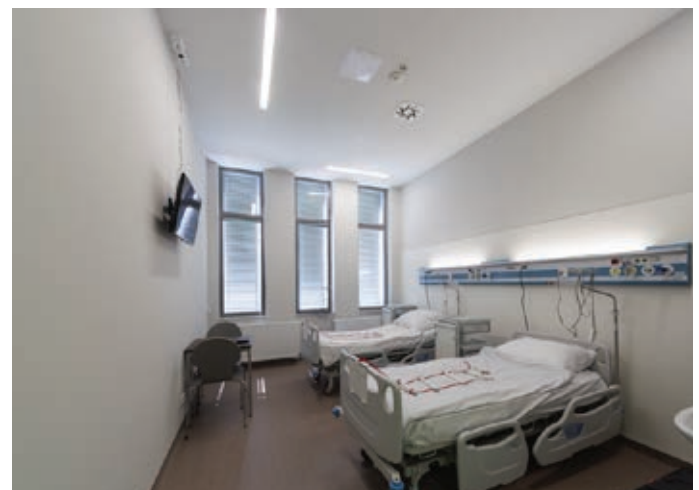




Applied luminaries: Agat Clean POS TC-L



Applied luminaries: Agat Clean POS TC-L



Applied luminaries: X-Line G/K T5

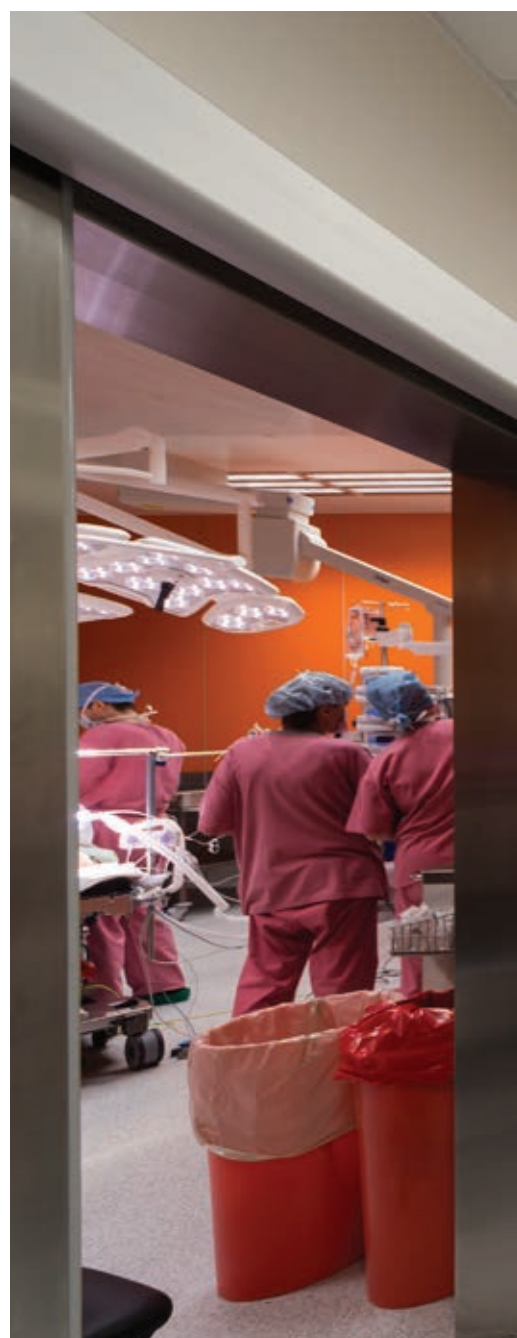
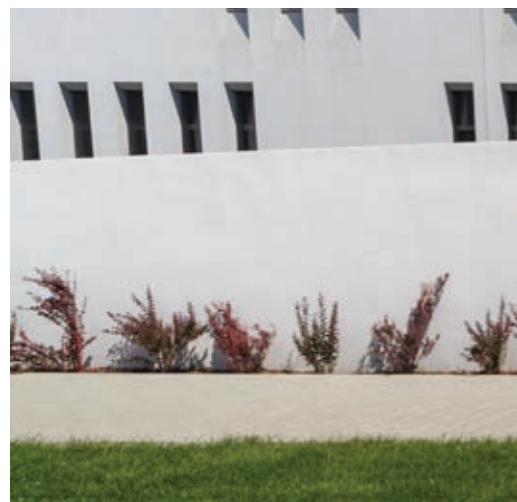
Combination of experienced and professional team with an access to modern medical equipment is a guarantee of success in saving human life. Silesia Centre of Heart Diseases in Zabrze is a leading cardiology and cardiac surgery institute known in Poland and abroad. The centre has been on top of many hospital rankings in Poland organised by Newsweek, Rzeczpospolita and other media. The hospital consists of two pavilions. It is a modern building where conditions are at the same level of European or world standards. The Centre is equipped with state-of-the-art medical equipment which was bought thanks to European Union programmes, own funds and with the support of the Ministry of Health. The Centre has first in Poland hybrid operating room.

LUXIONA Poland had a pleasure taking part in designing the lighting for this prestigious medical centre. The lighting project was created based on earlier idea agreed together with architectural studio. The main assumption was the illumination of patients rooms by means repeated and symmetric lighting lines placed along window axis. Luminaries could not have louvers but only opal diffuser. The above guidelines were successfully implemented thanks the use of X-Line. However, the offices lighting was based on universal dual-circuit luminaries. In this case the luminary Agat pos with louver perfectly fitted. Significant was the lighting of passageways, such as corridors and halls, where special ceilings were designed (120x60cm). Lighting designers of LUXIONA Poland suggested very interesting lighting solutions-taking into consideration plans of illumination of passageways, they designed customised luminary X-Line 1x54 of plexi glass which was suitable for those ceilings. Simultaneously, by applying this solution we referred to the lighting in patient's rooms.

# ●●● REALISATIONS



Applied luminaries: Agat Clean POS TC-L, X-Wall K9 T5, Agat Clean T5



Applied luminaries: Agat Clean T5





applied luminaries: Agat Clean POS TC-L, X-Wall K9 T5, Agat Clean T5

# Salve Medica in Lodz

## - Medical Centre

Salve Medica in Lodz-Medical Centre was established by means of transformation of Salve Clinic. The clinic was an alternative to public medical centre. Dynamic development of Salve, cooperation with renowned doctors, providing a wide range of health care services, purchasing the newest endoscopic technology, caused that centre was extended of hospital wards and the centre has been renamed Salve Medica-Medical Centre. Apart from medical activity, the Medical Centre cooperates with universities, foundations and associations.

Luxiona Poland delivered lighting solutions for Salve Medica in Lodz. The main assumption of the project:

- energy saving luminarie,
- linear design of luminaries, which fits an unusual „lamella ceilings”,
- applying luminaries of different dimensions while maintaining possibly the same level of luminous intensity,
- interesting visual effect of public available space, such as corri-

dors, and simultaneously fulfil all normative criteria.

The above assumptions were realised due to solutions based on X-Line LED product equipped with micro-prism, which is highly luminous and energy efficient. Applying modern LED technology allowed achieving additional benefits such as:

- maintenance-free operations of luminaries in comparison with traditional fluorescent lamps,
- pro-ecological solutions,
- avoiding suspended ceiling loading due to mounting the luminary to structural floor.



Applied luminaries: X-Line LED



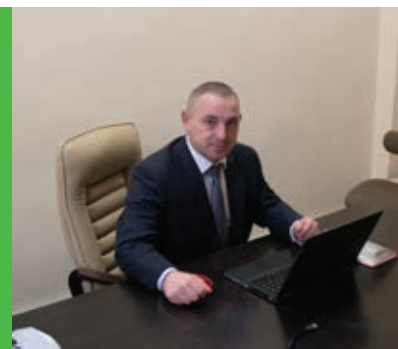


Applied luminaries: X-Line LED



Applied luminaries: X-Line LED

# LED – technology of the future, How to recognise high quality of the light?



**Michal Szybalski**  
Director of Production Plant

The world of general lighting is taken over by LED technology. LED light sources are put to use in different fields of life, namely in hi-fi devices, advertisement industry, car industry, industrial installations, etc. LED technology has been experiencing rapid growth, has been changing quickly and dynamically. How to know the quality of LED?



Market of LED light sources is full of huge amount of solutions, where significant share in LED market are imported products. This leads to the question, what part of us is aware how LED products differ and how to choose the best products. I will try to explain this issue. Very important aspect in LED technology is lifespan. The longer LED light source works the more measurable financial and ecological benefits it brings. The lifespan of LED is connected with two parameters L and B. These parameters are suitable for us, the production company, which equips its own products with LED light sources, what amount of light is lost during the operation of particular module and what percentage of modules is damaged. This information is extremely important for LUXIONA Poland. We offer our Clients LED products and we guarantee the high level of the above parameters. This information you can find in technical documentation of our solutions.



Another very important issue is LED operating temperature. You can meet different solutions of LED chips fixed on a 'plastic base' (FR4), on aluminium base or on ceramic base. The better and faster these materials are able to dissipate the heat from the chip, the longer the durability of the product is.

When selecting lighting solutions for different types of surface the colour temperature and colour rendering index are significant factors for LED light sources. Producers or importers do not always give this parameter. The Ra parameter is inherently linked with colour rendering. This factor is an average of 8 chosen wave length

emission spectrum. The Ra factor is applied with traditional light sources which are not correct. This parameter is often used to describe LED light sources which are not correct. The factor which properly tells us about real values of LED colour rendering is CRI (Colour Rendering Index). CRI is the average of 14 chosen wave length emission spectrum. In the case of colour temperature, many available on the market products are described in a general way as cold or warm colour. Such description gives a possibility for the supplier to maintain large tolerance. Unfortunately from the consumer point of view there is no guarantee of repeatability. LUXIONA Poland when exploits LED modules of global producers pays attention to chips selection which gives us the guarantee of colour temperature repeatability. This is an assurance that today installed luminary equipped with LED light sources of 4000K colour temperature in the case that investment will continue, the selection of the same luminaries in 6 months for example; the solution supplied by us will light the same.

Another important thing, which not always is taken into account, but should be!-is replacement and maintenance of LED light sources.

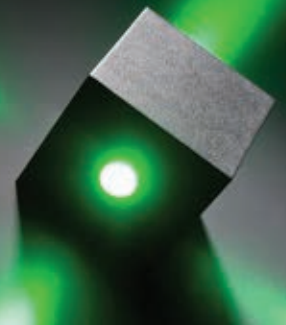


Luxiona Poland by applying LED modules in accordance with ZAGA standard guarantees that if there is a necessity of replacement of LED light sources, so today or in 5 years time we will be able to provide you with the same LED modules we used earlier in our solutions. You should be aware that many imported LED solutions are single use. It means that in the case of damaged light source the necessary is a replacement of whole luminary.

Many of discussed parameters might be known for you. We guarantee you that our experts and engineers have this knowledge and solutions provided by LUXIONA Poland are fully controlled and tested in our laboratories. We do everything to meet your highest requirements concerning the quality and investors needs. This is especially important in the view of upcoming next change in LED technology, where programming your own individual lighting solutions will be possible according to your needs. In the nearest future the luminary will be an electronic device with the possibility of any configuration/programming, but more about it in the next article.

**Michal Szybalski**  
Director of Production Plant





## LATEST NOVELTY-NEPTUN COMPACT LED

### Industrial and sport luminary

Surface mounted luminary

Easy and quick power connection

Energy saving system – power starting at 18W

High level of protection against dust and water penetration – IP 65

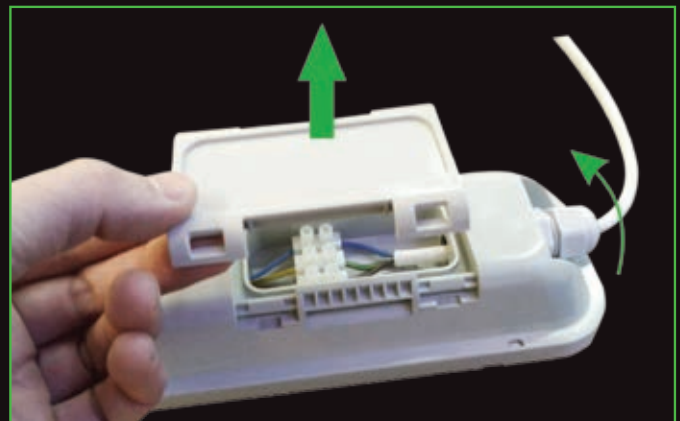
Available three lengths of the luminary

Highly efficient LED light sources

Level of protection against mechanical impact – IK09

### Characteristics of the Luminary

• Compact size, • Highly efficient LED light sources applied of high luminous efficiency 100lm/W. High level of protection against dust and water penetration – IP65. The level of protection against mechanical impact – IK09. Surface mounted luminary using clamps included in a set. Product is adjusted to easy and quick connection to power supply. Modern look of the luminary. Luminous flux: 1800, 3600 or 4800 lm. The length 590, 1180 or 1480 mm, the width 86 mm, the height 66 mm, the weight 0,8, 1,43, or 1,79 kg. Warranty 36 months.



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troll



MOONLIGHT<sup>+</sup>

metalarte

Sagelux

## Recommended products from LUXIONA Poland



### RIM LED

Modern LED panel dedicated to be mounted on suspended modular ceilings, directly on the ceiling or using the slings. The luminaire is equipped with the highly efficient LED sources. Luminaire body made from aluminum. PMMA opal diffuser. Colour of luminaire - metallic light grey. Optical system of the luminaire ensures the value of beam angle: 120°. The light stream of the LEDs used is 3800 lm. There are available two options of colour temperature 3000 K (warm white color) or 4000 K (neutral white color). Colour Rendering Index (CRI): 85. Luminaire dedicated for the public use structure like offices, conference rooms, classrooms, lecture halls etc.



### X LED

Surface mounted luminaire or suspended equipped with highly efficient LED light sources, dedicated for interiors where the main goal is to achieve incredible decorative effect. Product is characterized by very original shape and unusual universality of use. Upon request luminaries body and diffuser can be made in any colour of RAL range. Thanks to this it can suit any interior design. Perfectly even light emitting surface is made of very good light transmittance factor material as well as good diffusion characteristics. Luminaire is dedicated for galleries, museums, offices, clubs, restaurants and hotels. It gives the possibility of modern interior arrangement. Luminous flux of light source 5200 lm or 8800 lm. Colour temperature 3000 K or 4000 K.





## Tondo LED

Surface mounted circular luminary or suspended equipped with highly efficient LED light sources, designated for stylistic required interiors. Product is characterised by exceptional, simple and elegant form of design. Perfectly even light emitting surface is made of very good light transmittance factor material as well as good diffusion characteristics. Luminary is dedicated for galleries, museums, offices, clubs, restaurants and hotels. It gives the possibility of modern interior arrangement. Product is available in four options of dimensions and diameters: 682, 800, 1200 and 1600 mm. Luminous flux of light source: 4400, 7200, 9700, 11700, 9200, 18400 or 25000 lm. The colour temperature 4000 K.



## Tosca LED

Outdoor luminary to be mounted on hard surface (concrete, sett blocks or foundations) equipped with the latest generation, highly efficient and energy saving LED sources. Aluminium made housing is corrosion resistant. Product is designated to efficient illumination of walking paths, parks, recreational areas, residential areas. Level of protection against penetration of dust, moisture and solids: IP65. Height of luminary: 300, 600 or 900 mm.



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LUXIONA Poland is part of the Spanish LUXIONA Group, which for more than 80 years has been successfully operating on the international market of the lighting industry. The mission of LUXIONA Poland is to create complementary lighting solutions, in accordance with the most recent technologies as well as legal and social requirements. For that reason, an active team constantly works on innovative technical solutions, keeping in mind the need for saving energy and protecting the environment. The team does not cease to enhance the quality of our products and the efficiency of our services, permanently analyzing the needs of our Customers.

The LUXIONA Group, including LUXIONA Poland which continues to implement the Group strategy, specializes in the composition and creation of indoor and outdoor lighting systems, basing on the vast experts' experience and the broad scope of product brands. An integral part in the offer of LUXIONA Poland are comprehensive lighting solutions, which cover both the production and design services, in the widest sense of the word, delivered by high class designers and ready to meet the requirements of, among others: architectural spaces, areas in the so-called clean rooms, commercial surfaces etc. LUXIONA Poland hires professionals from the lighting industry having vast experience in the business. In managing a project, the team of LUXIONA Poland guarantees the application of the best possible technical solutions in the area of ultimate use of lighting solutions. The LUXIONA Poland team specializes in implementing projects which require an individual approach and the application of modern technologies.