



Factor LED

Industrial lighting

100%

Made in Poland

We are a lighting manufacturer with 34 years of presence on the market, which is why we know everything about luminaires and lighting systems: we design, comprehensively test and manufacture them. We combine practice with modernity.

We have technologically advanced manufacturing facilities at our command, which guarantees a high level of flexibility and operational efficiency. We produce over 4 million luminaires annually, and each product leaving the Lena Lighting production line strengthens our position as one of the leaders in the market of luminaires in the country and in the world – every day.

When designing new luminaires, we take advantage of the latest achievements in technology. For years, we have cooperated with leading international manufacturers of electrotechnical components, who, in addition to providing us with their solutions, also implement individual projects of our Engineers at the Research and Development Department of Lena Lighting S.A., allowing for a significant reduction in energy consumption, while improving the quality of lighting. We are constantly enhancing our know-how using the latest global solutions in LED technology and lighting control.

34+

years of experience



Modern LED production line

Środa Wielkopolska



It really matters

We make our products according to the highest environmental standards.



Being aware of the importance of environmental protection behaviours and future generations inspires us to put maximum effort into offering the highest quality, energy-efficient products; and to make sure that the entire process and technology of their production do not have a negative impact on the ecosystem.

Our efforts and their effectiveness have been confirmed by the ISO 14001 certificate. This means that Lena Lighting has successfully implemented an environmental management system. The overall goal of this system is to create conditions for the functioning of the enterprise in order to minimise the negative impact on the natural environment. We have already succeeded, but we are going to continue our journey and invest in technology and knowledge aimed at care for the natural environment.

Entrust lighting design to professionals

Office: Środa Wielkopolska



Our customers can take advantage of our experts' professional advice at any time during the implementation of the investment. We will support you in choosing the lighting concept and the products. We will make visualisations and comprehensive lighting projects using the latest computer software. We make calculations of profitability and energy efficiency of lighting.

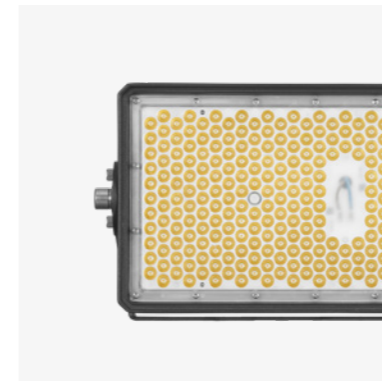
Engineers working in our design office will prepare a project that meets all standards and guarantees comfort of use. The client receives free-of-charge consultancy and project documentation, which guarantee high quality and compliance with standards.

DIALux

**AUTODESK
REVIT**

SOLIDWORKS

We invite you
to cooperate with us



Extensive range of light distribution

Thanks to the use of dedicated lenses, Factor LED floodlights are available in variants with multiple light distributions: 15°, 30°, 45°, 60°, 90°, 120°, RM7, RM3, PP1.



Easy and quick mounting

The well-thought-out design enables attaching the arm to the pole and convenient and quick attachment of the luminaire itself.

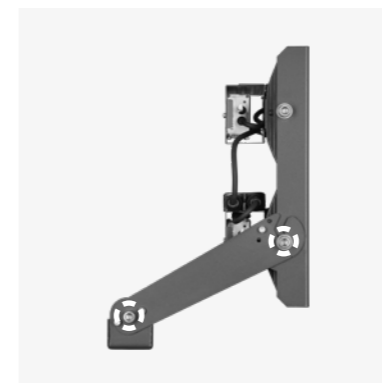
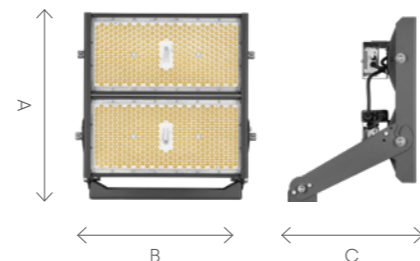
Factor LED

max. 158 lm/W IP66 IK09

Rated power [W]:	101 -1180	Body colour:	anthracite grey
Luminous flux [lm]:	14600 – 148800	Diffuser material:	PC, tempered glass
Mounting method:	to the pole	Diffuser type:	lenticular arrays, transparent
Body material:	powder-coated aluminium	Dimensions A/B/C [mm]:	191/425/217, 385/425/340, 580/425/340, 774/425/340

Distinguishing features:

- Very high luminous efficiency
- High ingress protection (IP66) and impact resistance (IK09)
- Passive cooling system
- Ability to work at elevated temperatures (depending on power).



Easy assembly and adjustment

The two-position tilt adjustment significantly increases the available number of lighting angle settings.



Modular design

Luminaire's modularity enables the installation of 1-4 modules on one bracket. In this way, it is possible to optimise the selection of power and luminous flux for a specific application.



01 / 02

Waterproof design

Factor LED is characterised by a very high degree of protection (IP66). This value means that the luminaire is entirely dustproof. There is no risk of dust getting inside the luminaire and interfering with the operation of the LEDs or other components. This is particularly important in places where there is large accumulation of dust, for example in industrial plants, production halls or on construction sites. IP66 also means that the luminaire is resistant to strong jets of water that can hit it from any direction. This makes the luminaire an ideal solution for outdoor applications where it is exposed to rain, fog or powerful water jets, for example during washing or cleaning. IP66 tightness ensures greater safety for luminaire users. Protection against water ingress inside the luminaire minimises the risk of electric shock or other dangerous situations related to moisture.

02 / 02

Impact resistant

The Factor LED luminaire, with its body made of cast aluminium and the diffuser made of polycarbonate or tempered glass, is also characterised by high resistance to mechanical impacts IK09. This means that it can withstand impacts with an energy of up to 10 J. It will therefore work well in places where there is a risk of mechanical damage to the luminaire, for example in industrial, construction or warehouse environments.

Thanks to IK09 mechanical impact resistance and IP66 tightness, the Factor LED luminaire is more durable and has a longer lifespan compared to luminaires that do not have such parameters. This means that it will be able to serve for a longer time, which translates into lower maintenance and replacement costs.



Factor LED HB

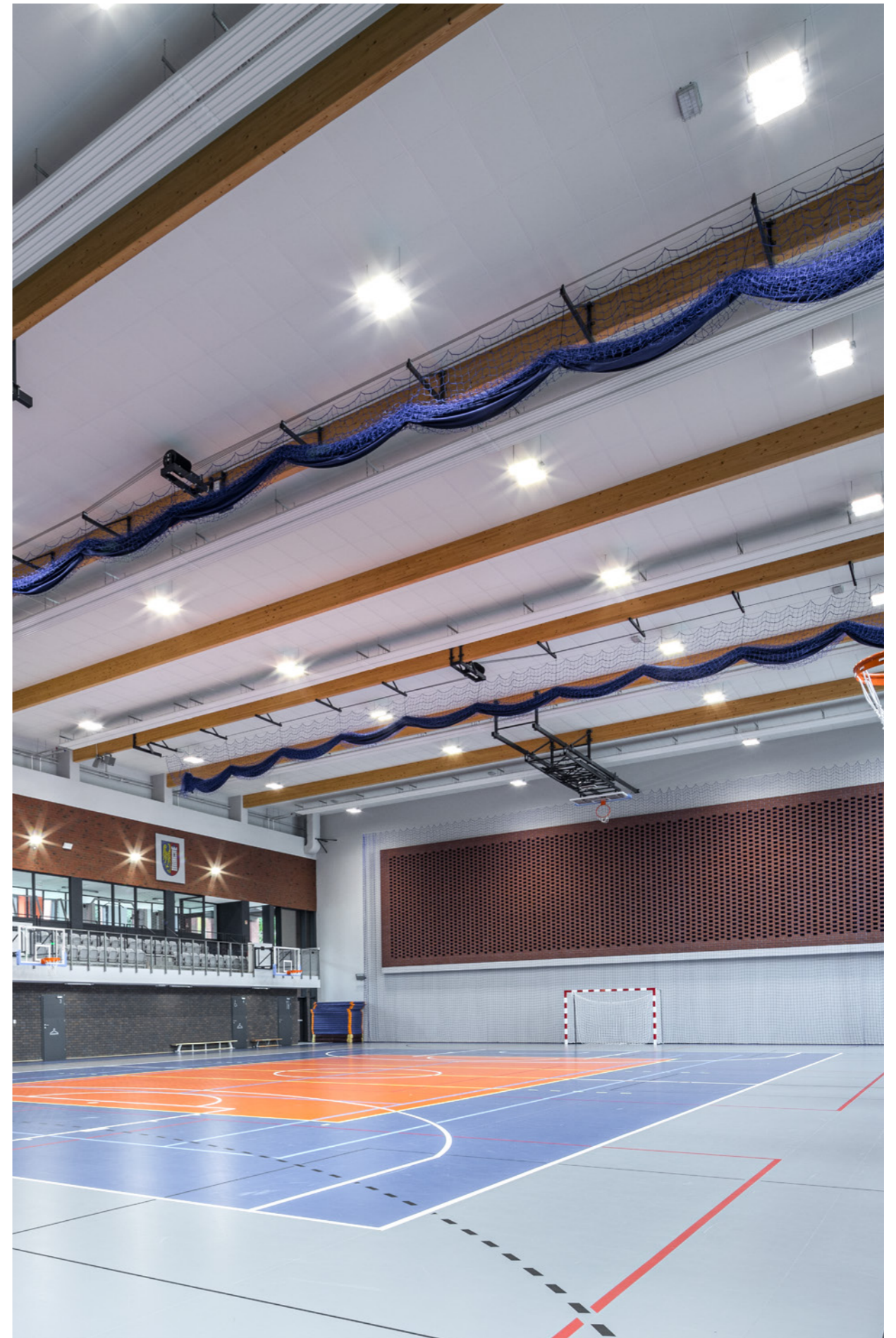
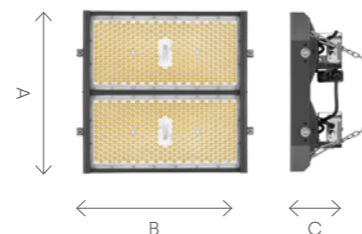
max.
158 lm/W IP66 IK09

Rated power [W]:	101 – 562
Luminous flux [lm]:	14600 – 75400
Mounting method:	surface or suspended
Body material:	powder-coated aluminium

Body colour:	anthracite grey
Diffuser material:	PC, tempered glass
Diffuser type:	lenticular arrays, transparent
Dimensions A/B/C [mm]:	191/397/125, 387/397/125

Distinguishing features:

- Very high luminous efficiency
- High ingress protection (IP66) and impact resistance (IK09)
- Passive cooling system
- Ability to work at elevated temperatures (depending on power).



Lighting of the sports field in Gliwice



Lighting of the sports field in Gliwice

01 / 02 — **Energy efficiency
and no light pollution effect**

The Factor LED line is based on LED-module technology that ensures high energy efficiency. The modules consume low amounts of power while providing the highest quality lighting, but also, when properly positioned, minimise the effect of light pollution.

02 / 02 — **Multitude of versions and
excellent parameters**

High-power floodlights and suspended high bay luminaires from the Factor LED line by Lena Lighting are a new modular solution that offers excellent lighting efficiency. With power ranging from 101 to 1124 W, a wide range of light distributions (15°, 30°, 45°, 60°, 90°, 120°, RM7, RM3, PP1), and a luminous flux ranging from 14,680 to 150,800 lm, they allow for precise illumination of even very large spaces. As a result, Factor LED products provide an incredibly wide range of applications:

Applications

inside industrial, warehouse and sports halls

in logistics centres

on sports fields,

at airports

in car parks and manoeuvring areas

on the façades of buildings and on elements of external architecture

Factor LED



Lighting of the Stotwiny Arena ski slope



Light under control

Lighting control systems are comfortable, give a sense of comfort, save time, but above all optimise processes and are energy-saving and environmentally friendly.

Clue was created for us – people and for our planet. So you can use Clue wherever you need light: for work, study, rest, recovery or entertainment. Light scenes created with Clue affect well-being and concentration.

What are the benefits Clue® ?

energy savings

scalability – from one room to the entire integrated multi-building complex

selection of lighting dedicated for specific tasks

easily and quickly changeable light scenes depending on the type of performed work

automatic modification of lighting depending on the time of day and external conditions

adaptation of lighting to room's occupancy level

Factor LED luminaires with the Clue system support safety in industrial, warehouse and sports facilities. Adaptation of lighting to weather conditions, time of day or the occupancy of rooms, brings measurable benefits in the form of optimal energy use and reduction of greenhouse gas emissions.





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