

Alpha[®] Lighting

Your way of savings in the future



CZECH LUMINAIRE MANUFACTURER

ALPHALIGHTING CZ Ltd.

LED luminaire brand **ALPHALIGHTING** has been an integral part of the largest domestic and foreign industrial and interior LED lighting projects since 2011.



Thanks to unbeatable technical features of our LED luminaires and individual approach to our customers we have managed to become one of the leading LED luminaire manufacturers on Czech and Slovak market and have built a reputation of the top quality European brand within a short time.

Our advantage is our own LED luminaire production and development according to specific customer requirements with guarantee of the highest quality.

We develop and produce one of the most technically efficient LED luminaires on the European market.



- Quality MADE IN CZECH
- High luminous efficacy up to 180 lm/W
- Low energy consumption
- Unbeatable price
- Special LED luminaires for both standard and demanding work environments with ambient temperature up to +60 °C
- Highly efficient emergency lighting system
- 5-years guarantee & 5-years guarantee for replacement parts availability during after-guarantee time





CLEAN ROOM LIGHTING

LED luminaires for hospitals



INDUSTRIAL LIGHTING

Industrial areas $T_a +45\text{ }^\circ\text{C}$
Industrial areas $T_a +60\text{ }^\circ\text{C}$
Built-in luminaires



OFFICE LIGHTING

Built-in luminaires
Surface-mounted luminaires
Downlights



PETROL STATION LIGHTING

Lighting for petrol station dispensing areas
Business premises
Parking areas



WAREHOUSE LIGHTING

Warehouse racking lighting

PRODUCT PORTFOLIO

Alpha[®] Lighting

Your way of savings in the future



COMMERCIAL LIGHTING

Spotlights
Line luminaires
Downlights



STREET LIGHTING

Pole luminaires
Facade luminaires



BUSBAR SYSTEM

Busbar system



EMERGENCY LIGHTING, CBS

Autonomous battery emergency systems
Central Battery Systems (CBS)
Emergency lighting and combined lights



SERVICES PROVIDED



PRE-PROJECT MANAGEMENT

1. Control measurement of the existing illuminance and its comparison with the standard ČSN EN 12464-1 (Czech technical standard 12464-1)
2. Temperature rating Ta of the surrounding environment and its impact on the pre-designed LED luminaires
3. Calculation of energy balance and return on investment when installing LED lighting systems
4. Luminance calculation - Specialized SW - Dialux
5. Variant price calculations according to the individual pre-designed types of luminaires
6. Emergency LED lighting systems
7. Determination of technical parameters of LED luminaires depending on the type of environment
8. Presentation of the proposed project solutions (used luminaires and technologies)



IMPLEMENTATION MANAGEMENT

1. Project management of the preparation and implementation of the LED lighting system project
2. Management controlling of the project's implementation
3. Professional training for the personnel that is responsible for the installation of LED lighting systems
4. The possibility of complex electro installation including luminaire installation.



PRODUCT MANAGEMENT AND ENGINEERING

1. Manufacturing and R&D development of LED luminaires according to individual project requirements
2. OEM production of LED luminaires according to individual customer requirements
3. Laboratory measurement of technical parameters, thermal management of LED luminaires



POST-IMPLEMENTATION MANAGEMENT

1. Professional measurement of the required space illumination and luminance uniformity
2. The elaboration of a protocol in accordance with ČSN 36 0011-1, ČSN 36 0011-2,
3. ČSN 73 0580-2, ČSN 73 0580-3, ČSN 73 0580-4, ČSN 36 0020, and other related regulations.
4. Professional training of personnel for operation and maintenance of lighting systems and emergency lighting





INDUSTRIAL
LIGHTING

ALPHA PCB INDUSTRY

The most efficient and energy-saving LED luminaire for demanding work environments with ambient temperatures up to + 60 ° C.



ALPHA PCB INDUSTRY is an absolute breakthrough in LED industrial lighting, offering a significant reduction in energy consumption, long lifetime, maximum module system variability and innovative design. It is an example of excellent light engineering of ALPHALIGHTING CZ Ltd. With the achieved value of total luminous efficacy **up to 170 lm/W** it currently represents the highest standard of highly-efficient industrial LED luminaires.



Český výrobek
Made in Czech







INDUSTRIAL
LIGHTING

ECOLED ALPHA PCB

The most efficient LED luminaire IP65 for industrial areas.

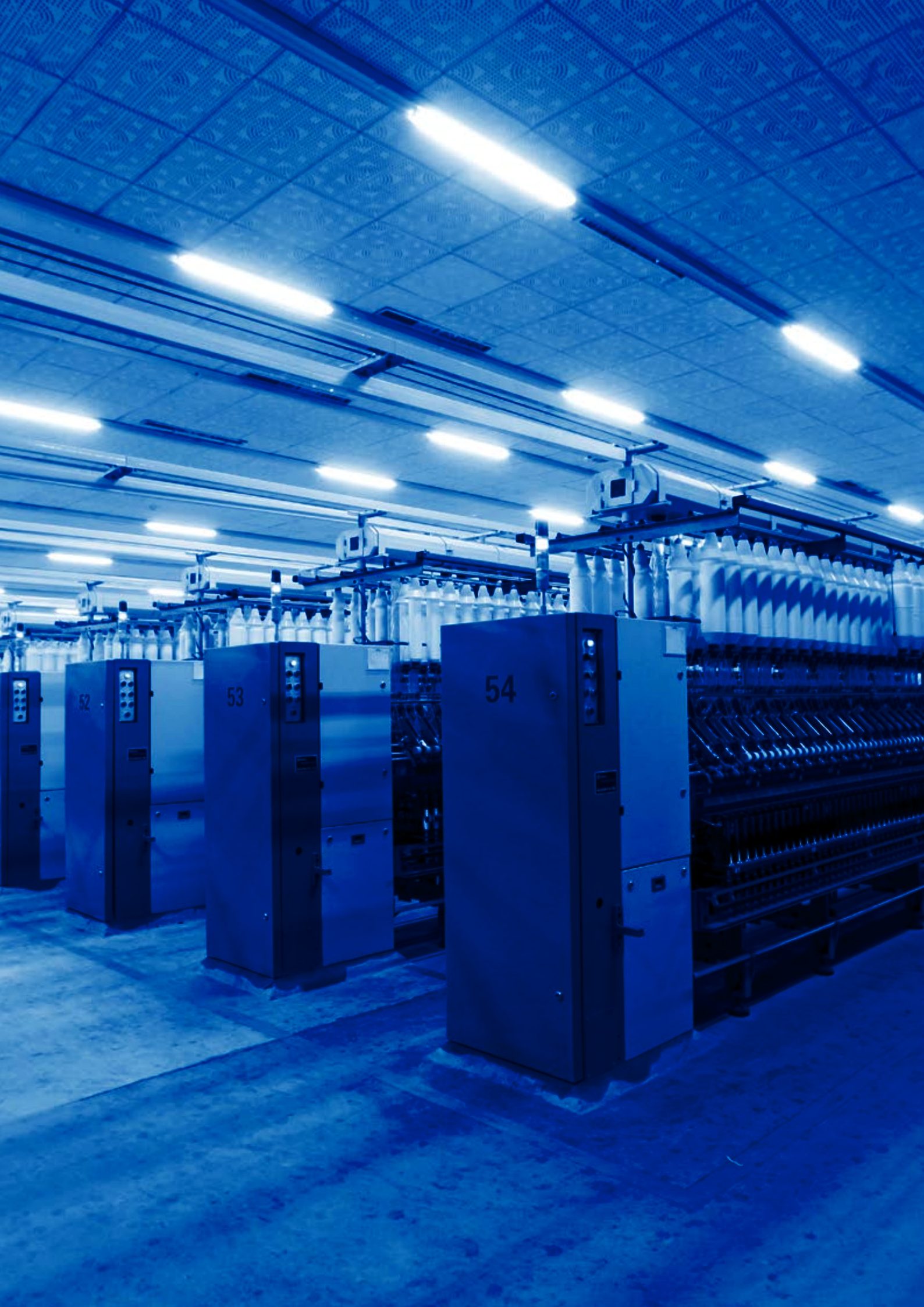


ECOLED ALPHA PCB industrial LED luminaire with its design simplicity, reliability and exceptional luminous efficacy **up to 170 lm/W is an ideal LED luminaire for new lighting systems and existing lighting system reconstructions.**

Combined with excellent optics, it is an ideal luminaire for warehouse and logistics facilities with installation height up to 13 m. The reliability and confidence of customers in this luminaire is evidenced by 40,000 pieces installed within one year on the largest projects both in Czech and Slovak Republic.

Excellent lighting performance and price ratio - this is the main guarantee of a very fast return on financial investment and energy savings. Zero maintenance costs, maximum reliability and simple installation makes this luminaire one of the most sought-after luminaire type among customers.







WAREHOUSE
LIGHTING

ECOLED ALPHA PCB WRH

To minimize storage costs, warehouse racking areas are designed with the best possible use of space.



In many cases it is very difficult to illuminate the narrow aisle space between the high racks. To avoid shading of communication zones and ensure safe movement of the operator with good visibility of stored goods and their identification labels, it is necessary to ensure the greatest possible illumination uniformity in the vertical plane of the light beam.

ECOLED ALPHA PCB WRH LED luminaire guarantees excellent light beam spread with great visibility without glare.



Available with SMART LIGHTING MANAGEMENT- DALI and motion sensors. Installation height **up to 13 m.**





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INDUSTRIAL
LIGHTING

ALPHA LED LINEAR SYSTEM

Linear modular lighting system - the highest standard in industrial LED lighting.



The requirements on the lighting systems in the various application sectors often represent a challenge for the lighting design itself. Until now, different lighting systems were needed to achieve optimal lighting concept.

Thanks to its diversity and excellent design **ALPHA LED LINEAR SYSTEM** provides maximum flexibility and comfort to meet all the requirements on the lighting in industrial and retail sectors.

Unlike many similar competitive lighting systems made of sheet steel, **ALPHA LED LINEAR SYSTEM** is made of high-quality extruded aluminium and meets the highest requirements for overall design, low weight and high strength.

Thanks to a high value of luminous efficacy of 170 lm/W, you will achieve a significant reduction of energy costs and high return on investment.





STREET
LIGHTING

ALPHA LED STREET



ALPHA LED STREET is a LED luminaire of Czech production for road lighting. The combination of unbeatable price, elegant design, excellent lighting and technical parameters and the choice of optics and power all in one.

With its distinctive visual character, this luminaire will be suitable for almost any architectural solution of road lighting. **Compact design for fast and low-cost replacement of discharge street lighting.**







STREET
LIGHTING

ALPHA LED PROJECTOR STREET

Lighting systems for industrial parks and areas.



ALPHA LED PROJECTOR STREET

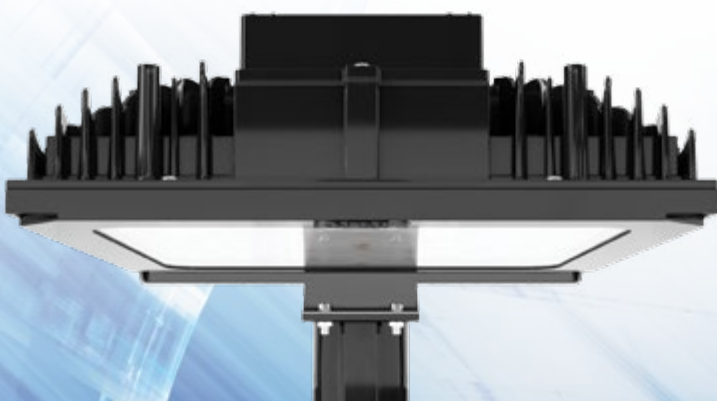
Outdoor street lighting for industrial parks and areas.

ALPHA LED PROJECTOR FLOODLIGHT

Outdoor wall luminaire is designed to illuminate building facades, sports facilities, industrial areas, etc. Universal outdoor LED luminaire with wide range of uses and excellent light and technical parameters. The variable optical system of the luminaire allows optimal light beam distribution. Extremely durable construction made of extruded aluminium alloy with excellent temperature management parameters guarantees long luminaire lifetime.



ALPHA LED PROJECTOR STREET



ALPHA LED PROJECTOR FLOODLIGHT





INDUSTRIAL
LIGHTING



OFFICE
LIGHTING

ALPHA MAGNUM PCB LED

Indoor lighting.



Built-in and surface-mounted luminaire for compartment ceiling and ceilings of the ARMSTRONG, OWA type etc.

Unique design solution of an optical low-glare luminaire system, uniform light beam distribution and high lighting performance.

The most efficient and energy-saving LED luminaire for large-scale installations with luminous efficacy up to 155 lm/W.







EMERGENCY
LIGHTING, CBS

EMERGENCY LIGHTING



**COMBINED
EMERGENCY LED
LUMINAIRE**

**CBS
Central
Battery
SYSTEM**



ALPHALIGHTING CZ Ltd. ensures a comprehensive design and implementation of emergency lighting for industrial and commercial areas on the highest technical and professional level. Our emergency lighting systems have effectively carried out their flawless function on many major projects in Czech Republic and abroad.

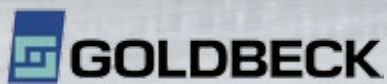
- **Fatra a.s. – Czech Republic**
- **TOS Hulín a.s. – Czech Republic**
- **DS Logistik s.r.o. – Dunajská Streda – Slovakia**
- **Faurecia DC6a – Lozorno, LED lighting system a emergency lighting**
- **BMW Prologis DC9 – Slovakia, etc.**

Highly efficient combined LED luminaires for emergency lighting systems of the main lighting system and many other are the result of our excellent lighting engineering and development.

Excellent technical parameters of these luminaires guarantee high investment savings regarding to emergency lighting implementation.

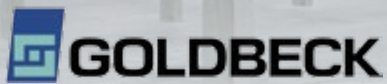
**Emergency LED Lighting
System ALL IN ONE®**





Project implementation
Prologis - BMW
LED lighting of the DC9 warehouse
and office space
Year 2016





Project implementation
BOGE Elastmetall
LED lighting of industrial halls
and office space
Year 2016





Project implementation
Fatra - Napajedla
Reconstruction of LED lighting
of the production hall B22
Year 2016

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Project implementation
ConvaTec
LED lighting of industrial halls
and office space
Year 2016

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a sense for innovation
IEE

GOLDBECK

 **GOLDBECK**

Project implementation
IEE Sensing
LED lighting of industrial halls
Year 2014

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Project implementation
Faurecia
LED lighting of the production hall DC6a
Year 2016





Project implementation
TOSHULIN
Reconstruction of LED lighting
of production hall
Year 2014

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HSF SYSTEM

Project implementation
DS Logistik
LED lighting of industrial halls
and office space
Rok 2016

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Alpha[®] Lighting

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