



ECOLED ALPHA PCB INDUSTRIAL LED LUMINAIRE



ECOLED ALPHA PCB Industrial LED luminaire

The most powerful LED luminaire IP65 for industrial areas



Production halls

Logistic areas
and warehouses



Český výrobek
Made in Czech

Excellent lighting performance and price ratio - guarantee of rapid return on financial and energy savings. Zero maintenance costs, maximum reliability and easy installation make this luminaire one of the most sought - after type of LED luminaire by customers.



PRODUCT LINES:

ECOLED ALPHA PCB

Application: production halls, large-capacity logistics areas, food industry (HACCP).

ECOLED ALPHA PCB WRH

Application: production halls, warehouses with installation height up to 13 m.

ECOLED ALPHA PCB/NZ

– combined emergency lighting luminaires

Application: Central Battery Systems (CBS) and autonomous emergency power supplies.

ECOLED ALPHA PCB/B

– busbar system

Application: moulding system up to 25A-40A with luminaire connection using the **JUST ONE CLICK** system.



ECOLED ALPHA PCB industrial LED luminaire with its design simplicity, reliability and exceptional luminous efficacy up to 170 lm/W is a perfect LED luminaire for new lighting systems and reconstructions of existing lighting systems. Combined with excellent optics, it is the ideal luminaire for warehouses and logistics areas with installation height up to 13 m.

Reliability and trust of customers in this luminaire is also confirmed by the fact, that more than 40,000 units were installed on the largest projects in the Czech Republic and in the Slovak Republic within a one-year period.

Excellent luminous efficacy and price ratio is the main guarantee of the rapid return on investment and energy savings. Zero maintenance costs, maximum reliability and simple installation make this luminaire one of the most sought - after type of LED luminaire by customers.

ADVANTAGES

- Quality MADE IN CZECH.
- Optical luminaire system ensures high quality illumination with a low flare level.
- Unbeatable performance - price - energy savings ratio.
- Absolutely highest luminous flux of the luminaire up to 170 lm/W.
- Maximum reliability.
- Excellent references from many large projects - more than 40,000 units have been installed within a one-year period.
- Use in ambient temperatures up to + 45 ° C.
- **5-year guarantee plus 5-year guarantee of replacement parts availability** komponentů.

TECHNICAL ADVANTAGES:

- Excellent emergency lighting solution with combined luminaires.
- A ++ energy class.
- Simple and fast installation, maintenance-free operation, low weight.
- Special optical system for rack warehouses with installation height up to 13 m.
- Connecting the luminaire by the PLUG - IN connectors.
- UV stable.
- Economical and cost-effective lighting system in combination with an aluminium self-supporting busbar system.
- Excellent 93% opal diffuser efficiency.
- Special opal diffuser design to prevent flare.
- Maximum resistance to external influences and temperature changes.
- Simple interchangeability of PCB modules and LED ballasts.

APPLICATION POSSIBILITIES:



Production and industrial halls



Warehouses and Logistics Areas



Sports facilities

BASIC TECHNICAL PARAMETERS



Basic technical parameters ECOLED ALPHA PCB – CCT 4000 K

Type	Total power input of the luminaire (W)	Luminous flux of the luminaire (lm)	Luminous efficacy of the luminaire (lm/W)	Luminous flux of the light source (lm)	Luminous efficacy of the light source (lm/W)	Efficiency (%)
ECOLED ALPHA PCB 10300/840/68/150	68	9 900	145	10 600	156	93
ECOLED ALPHA PCB 8200/840/54/120	54	7 800	144	8 300	154	93
ECOLED ALPHA PCB WRH 8200/840/54/120	54	7 400	137	8 300	154	86
ECOLED ALPHA PCB 7400/840/50/150	50	7 100	142	7 600	152	93
ECOLED ALPHA PCB 5900/840/40/120	40	5 600	140	6 000	150	93
ECOLED ALPHA PCB 4100/840/29/60	29	3 900	134	4 200	145	93

Basic technical parameters ECOLED ALPHA PCB – CCT 5000 K

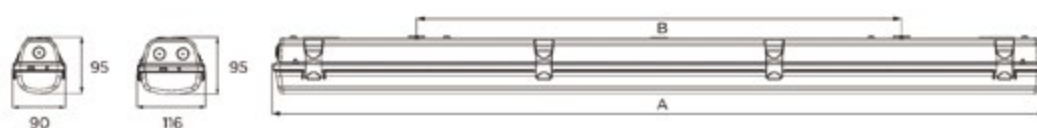
Type	Total power input of the luminaire (W)	Luminous flux of the luminaire (lm)	Luminous efficacy of the luminaire (lm/W)	Luminous flux of the light source (lm)	Luminous efficacy of the light source (lm/W)	Efficiency (%)
ECOLED ALPHA PCB 10300/850/68/150	68	10 300	148	11 200	165	93
ECOLED ALPHA PCB 8200/850/54/120	54	8 000	148	8 600	159	93
ECOLED ALPHA PCB WRH 8200/850/54/120	54	7 700	143	8 600	159	86
ECOLED ALPHA PCB 7400/850/50/150	50	7 300	146	7 900	158	93
ECOLED ALPHA PCB 5900/850/40/120	40	5 800	145	6 200	155	93
ECOLED ALPHA PCB 4100/850/29/60	29	4 000	138	4 300	148	93

Basic technical parameters ECOLED ALPHA PCB emergency and combined luminaires

Type	Luminous flux of the luminaire in the emergency mode
ECOLED ALPHA PCB 10300/850/68/150/NZ	1400 lm
ECOLED ALPHA PCB 8200/850/54/120/NZ	1400 lm
ECOLED ALPHA PCB WRH 8200/850/54/120/NZ	1400 lm
ECOLED ALPHA PCB 7400/850/50/150/NZ	1400 lm
ECOLED ALPHA PCB 5900/850/40/120/NZ	1400 lm
Emergency luminaire	
ECOLED ALPHA PCB 4100/NZ	1400 lm

DIMENSIONS:

90 mm x 95 mm x 1277 mm, 116 mm x 95 mm x 1277 mm, 116 mm x 95 mm x 1577 mm



OPTIONAL ACCESSORIES:

- Version with DALI digital dimmable ballast.
- CBS Emergency address module (Central Battery System).
- Autonomous emergency module 1H.
- One-phase connection wiring for gradual installation.
- Three-phase connection wiring for gradual installation.
- STUCCHI and ADELS connector systems.



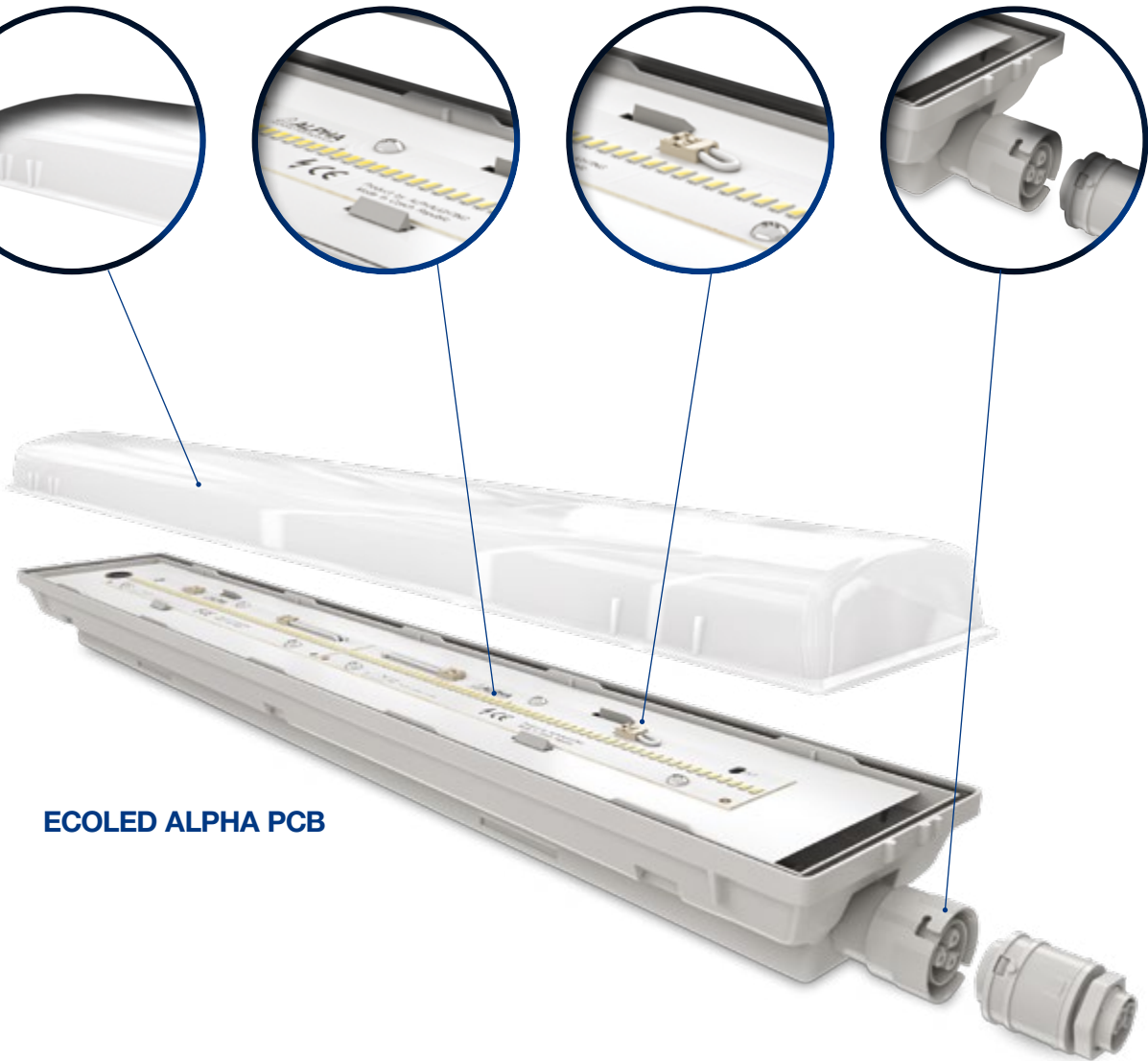
LUMINAIRE DETAILS:

Special optical diffuser preventing glare with high efficiency up to 93%.

PCB modules ALPHA PCB DUOMO MODULES with luminous efficacy up to 180 lm/W.

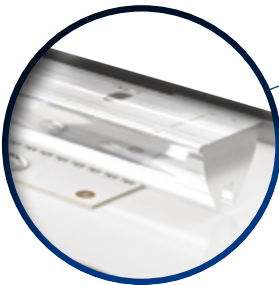
WAGO connectors - fast PCB module interchangeability.

PLUG-IN connector system.

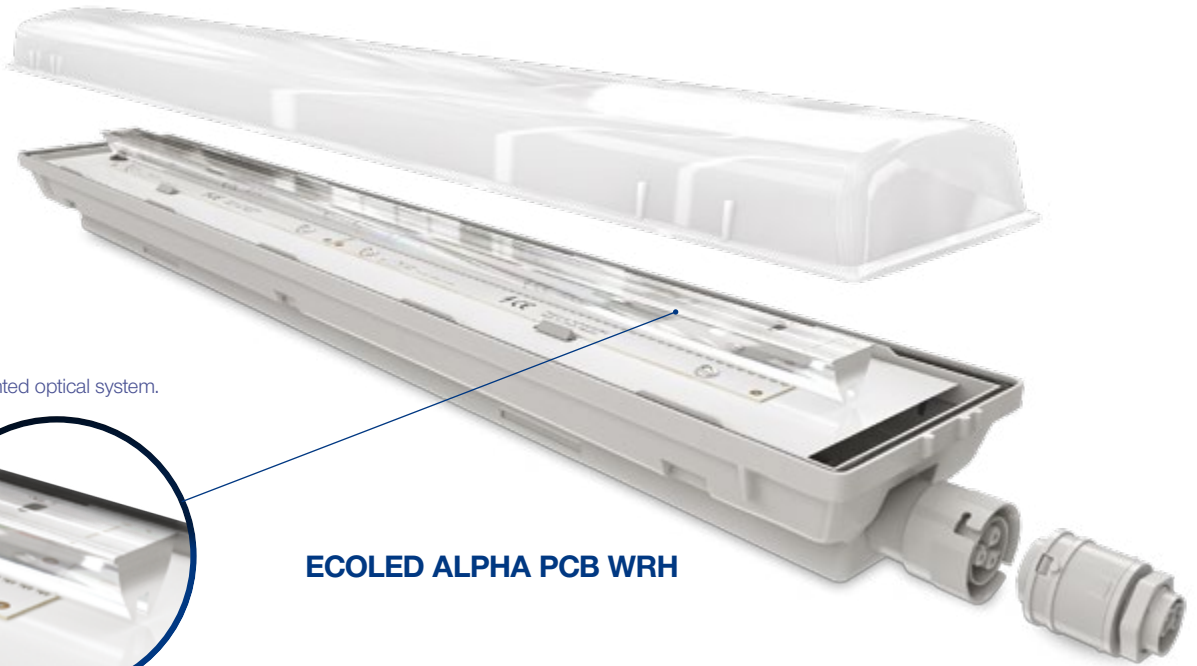


ECOLED ALPHA PCB

Patented optical system.



ECOLED ALPHA PCB WRH

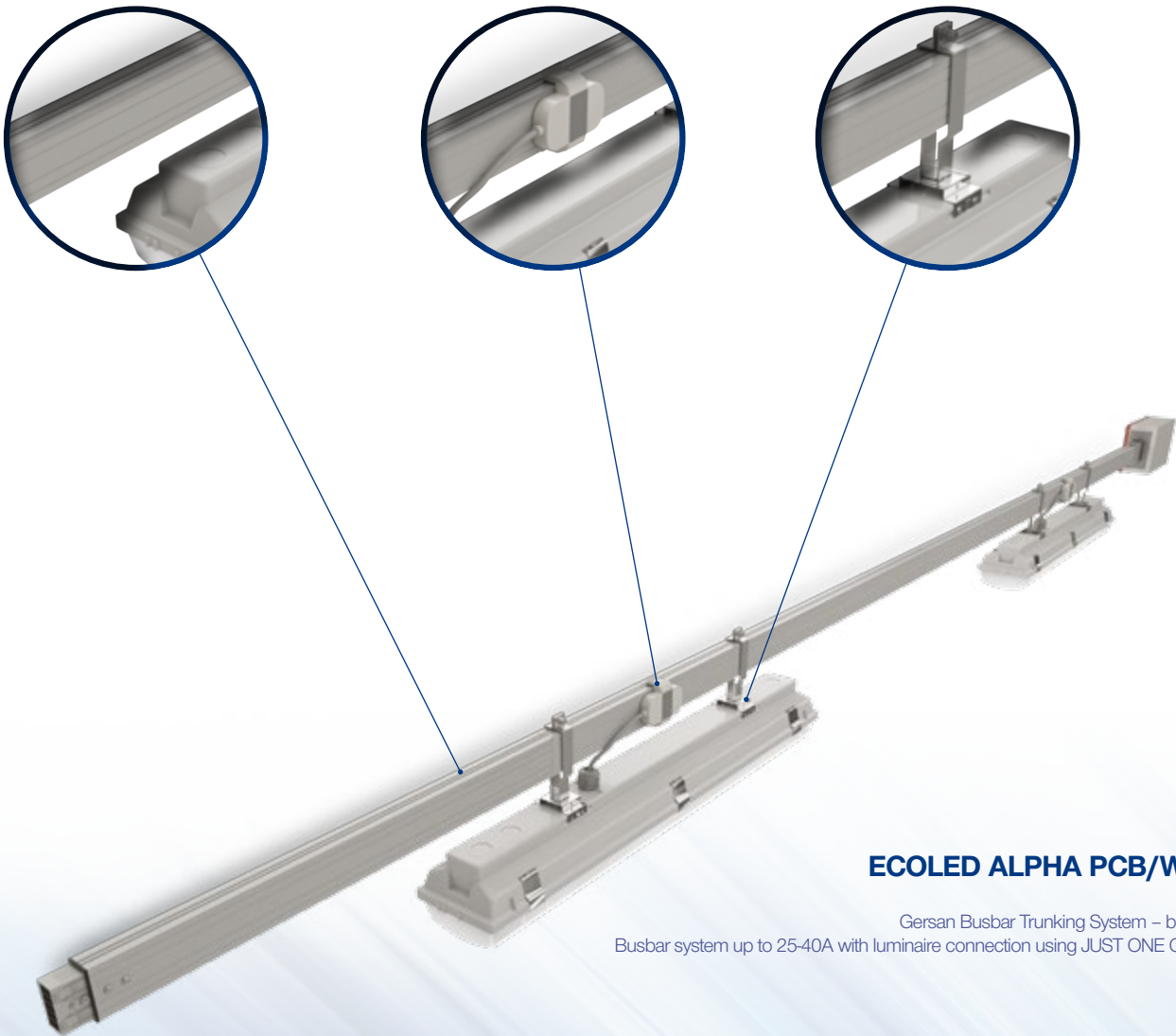


BASIC TECHNICAL PARAMETERS:

Self-supporting aluminium construction with wires.

Variable luminaire connection using JUST ONE CLICK connector system.

Fixing the luminaire with ONE CLIP EASY

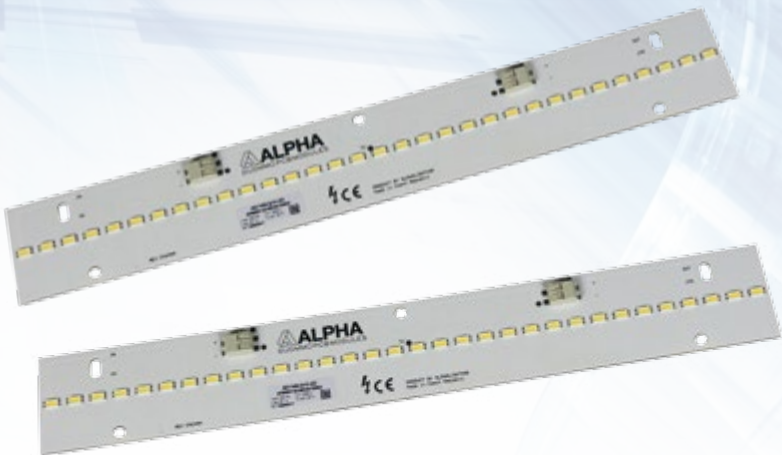


ECOLED ALPHA PCB/WRH/B

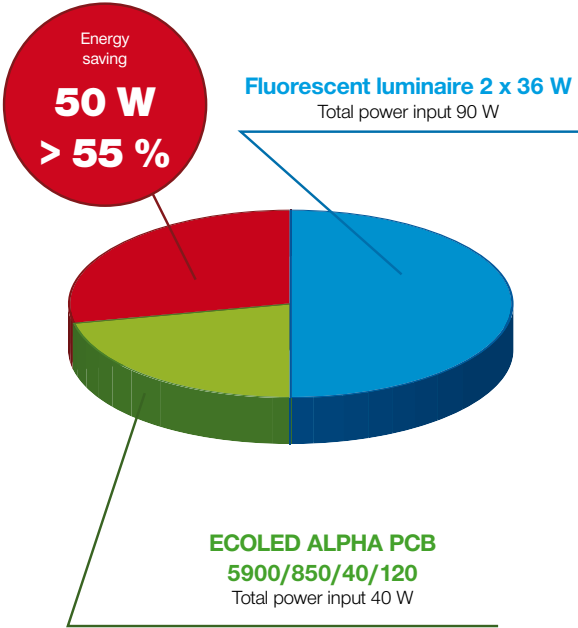
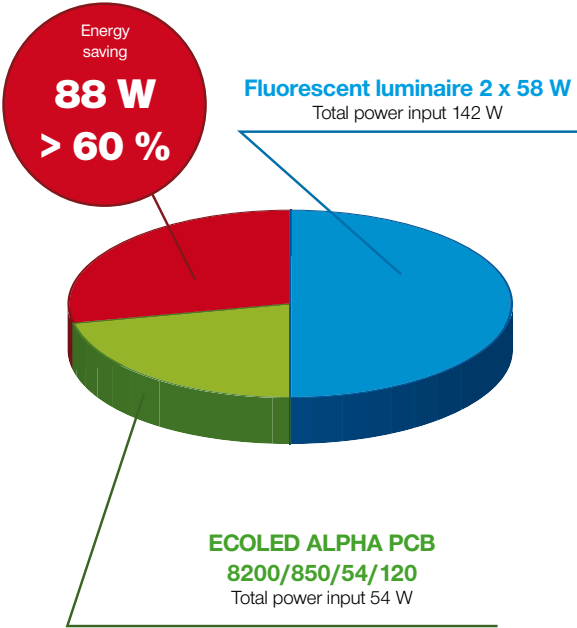
Gersan Busbar Trunking System – busbar system.
Busbar system up to 25-40A with luminaire connection using JUST ONE CLICK system.

ALPHA
DUOMMO PCB MODULES

The main light sources of the ECOLED ALPHA PCB LED luminaire are ALPHA PCB DUOMMO MODULES modules.
(DEVELOPED AND PRODUCED BY ALPHALIGHTING®)



PARAMETER COMPARISON OF ENERGY EFFICIENCY:



ECOLED ALPHA PCB WRH

- Specially developed for warehouses and logistics centres.
- Optical system ensures maximum illumination of floor surfaces and racks in storey warehouse systems.
- Possibility to operate in LUXOMAT® presence sensor system and control in DALI® system.
- Special optic cover prevents glare from warehouse operators.





Manufacturer - Supplier:

AlphaLighting CZ Ltd.

Business Line, Lorencova 3791, 760 01 Zlín
Czech Republic

Tel.: +420 732 979 009

+420 777 774 750

Email: info@alphalighting.cz

www.alphalighting-led.com

Business Representation Directorate:

AlphaLighting Trade Ltd.

Ivánska cesta 30/B

821 04 Bratislava

Slovak Republic

Tel.: +421 902 919 700

Email: info@alphalighting-led.com

www.alphalighting-led.com