



We produce flagpoles, lighting columns and advertising carriers

We have been on the market for 15 years

We distribute to over 40 countries

The company has been on a stock market since 2008

Improving and implementing new innovative solutions - patents

Economy, safety, durability - awards and prizes

Alumast has its offices and production halls in Wodzislaw Slaski.

THE AREA OF OUR ACTIVITY

ALUMAST S. A. is one of the biggest manufacturers of:

- lighting columns
 - aluminium
 - composite
- flagpoles
 - aluminium
 - fiberglass
 - prestigious flagpoles MASTER
- advertising carriers
 - advertising frames
 - wall-mounted frames
 - MULTI banner systems

Sustainable development and modern technologies!

Companies which we cooperate with:

composite lighting columns

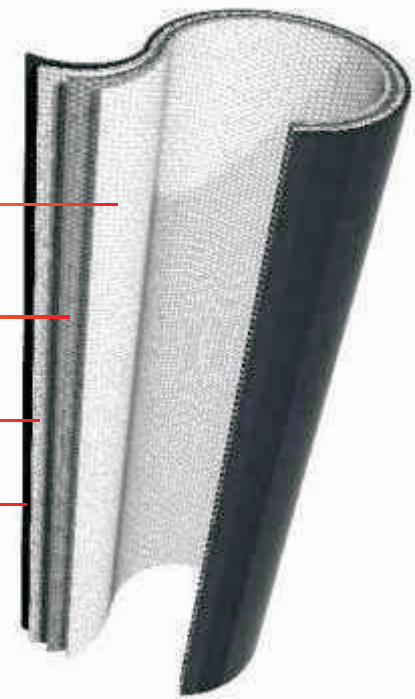


GLASS FIBER WITH
POLYESTER RESIN

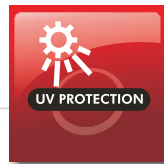
GLASS FIBER WITH
POLYESTER RESIN

GLASS MAT WITH
POLYESTER RESIN

GELCOAT



construction scheme





Advantages of composite lighting columns

■ COLOURS

The standard colours of composite lighting columns are: RAL 7032, RAL 7042, RAL 6005, RAL 7021. Other colours according to RAL palette are available at additional cost. It is also possible to produce multicoloured lighting columns.



RAL 7032



RAL 7042



RAL 6005



RAL 7021



■ AESTHETICS

High quality raw materials used for the production ensure UV resistance. With the smooth surface it is easy to remove dirt, glue or Scotch tape which is used for hanging posters and advertisements. Lighting columns can be cleaned effectively and fast using cleaning agents made by Alumast. Additionally, the surface of the columns can be covered with a silicon coating made with nanotechnology which strongly protects the columns against smudges of dirt and glue..



Advantages of composite lighting columns

■ DURABILITY

Composite lighting columns do not corrode. Composite lighting columns mounted in the ground do not have any metal elements which may corrode.

Therefore, they are resistant to:

- salt on the roads and other road cleaning agents
- traffic pollution
- animal contamination.

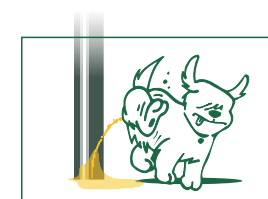


Composite lighting columns are resistant to salt.

The lifetime of composite lighting columns is about 80 years.

Composite lighting columns are resistant to sea salt and squall.

Therefore, they are suitable for coastal areas where marine corrosion may be a problem. Because of their construction, they are also suitable for places where earthquake may occur.



Resistant to adverse external factors.

■ ECOLOGY

PRODUCTION – LOW CO₂ EMISSION

The composite lighting column gets 100% recycled



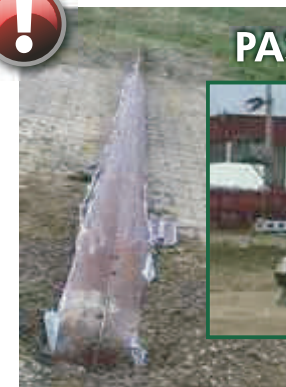
ECO FRIENDLY

Advantages of composite lighting columns

■ SAFETY

Composite material is an insulator. Composite lighting column mounted in the ground does not have any metal elements, which require earthing. There is no need for galvanic isolation between the composite lighting column mounted in the ground and active conductor, surge or fire protection elements. Even if the wire insulation is damaged, the dangerous voltage will not appear.

The composite column slightly absorbs the energy during a collision – after the collision the vehicle continues to ride with a reduced speed. The researches show that the value of ASI indicator (indicator of acceleration rate – according to PN-EN 1317 norm) is five times lower than the value by which the effects of the collision are dangerous or fatal for people being in a vehicle.



PASSIVE SAFETY



Advantages of composite lighting columns

■ LOGISTICS AND INSTALLATION

Universal aluminium sleeve fi 60, installed at the top of pole, allows the assembly of typical luminaires with the bracket for vertical assembly. Using the arm or adjustable bracket it is possible to assembly typical luminaires with a bracket for side installation. Thanks to even 60% bigger internal diameter all the inspection worksinside the composite column are performed much faster and more precisely.

9m composite lighting column mounted in the ground weights only 48kg.

The use of the light composite columns mounted in the ground allows to eliminate heavy foundation during an installation. Moreover, it simplifies the transport, installation and disassembly (in case of collision). It reduces considerably the costs of investment and exploitation.





c o m p o s i t e l i g h t i n g c o l u m n s

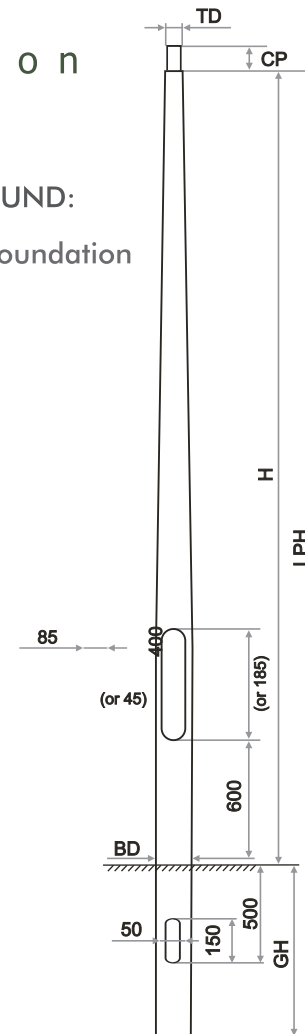
possibilities of installation

ADVANTAGES OF COMPOSITE LIGHTING COLUMNS MOUNTED IN THE GROUND:

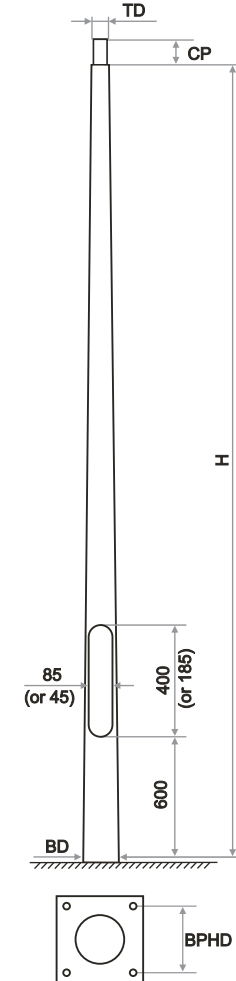
- lower installation costs for columns mounted in the ground – no base and foundation
- faster installation – 9m column mounted in the ground weights only 48kg
- easy to unload and load without any machines,
- lower transport and installation costs – no need for heavy foundation
- easier reinstatement – in need of replacement of composite lighting column i.e. in case of a damaged pole due to a collision or modernisation of street lightings

symbols used in the drawings

H[m]- height	LPH[m]- overall height
BD[mm]- bottom diameter	GH[m]- length of the part mounted in the ground
TD[mm]- top diameter	BPHD[mm]- bolt spacing
CP[mm]- height of cylindrical part (on the top)	



MOUNTED IN THE GROUND



MOUNTED IN THE FOUNDATION

technical data

■ COLUMNS MOUNTED IN THE FOUNDATION

■ COLUMNS MOUNTED IN THE GROUND

COLUMN TYPE		H [m]	BD [mm]	TD [mm]	CP [mm]	LPH [m]	GH [m]	BPL [mm]	BPT [mm]	BPHD [mm]	W _{max} [kg]	
SKPW 3,0	SKPF 3,0	3,0	130,150	60	130	4,0	1,0	260	8	200	9,6	14,9
SKPW 4,0	SKPF 4,0	4,0	130,150	60	130	5,0	1,0	260	8	200	12,3	17,5
SKPW 5,0	SKPF 5,0	5,0	130,150,175	60	130	6,0	1,0	260	8	200	18,5	23,5
SKPW 6,0	SKPF 6,0	6,0	150,175	60	130	7,0	1,0	260	8	200	21,6	26,0
SKPW 7,0	SKPF 7,0	7,0	175,193	60	130	8,2	1,2	400	8	200, 300	34,0	43,5
SKPW 8,0	SKPF 8,0	8,0	193	60	130	9,2	1,2	400	8	200, 300	38,0	47,6
SKPW 9,0	SKPF 9,0	9,0	193	60	130	10,5	1,5	400	8	200, 300	48,0	55,2
SKPW10,0	SKPF 10,0	10,0	193	60	130	11,8	1,8	400	8	200, 300	54,5	60,0
	SKPF 11,0	11,0	193	60	130			400	8	200, 300		65,0

symbols used in the table

H[m]- Height

BD[mm]- Base diameter

TD[mm]- Top diameter

CP[mm]- Height of cylindrical part (on the top)

W[kg]- Weight (without accessories)

BPL[mm]- Base plate width

BPT[mm]- Base plate thickness

BPHD[mm]- Spacing hole in base plate

LPH[m]- Overall height

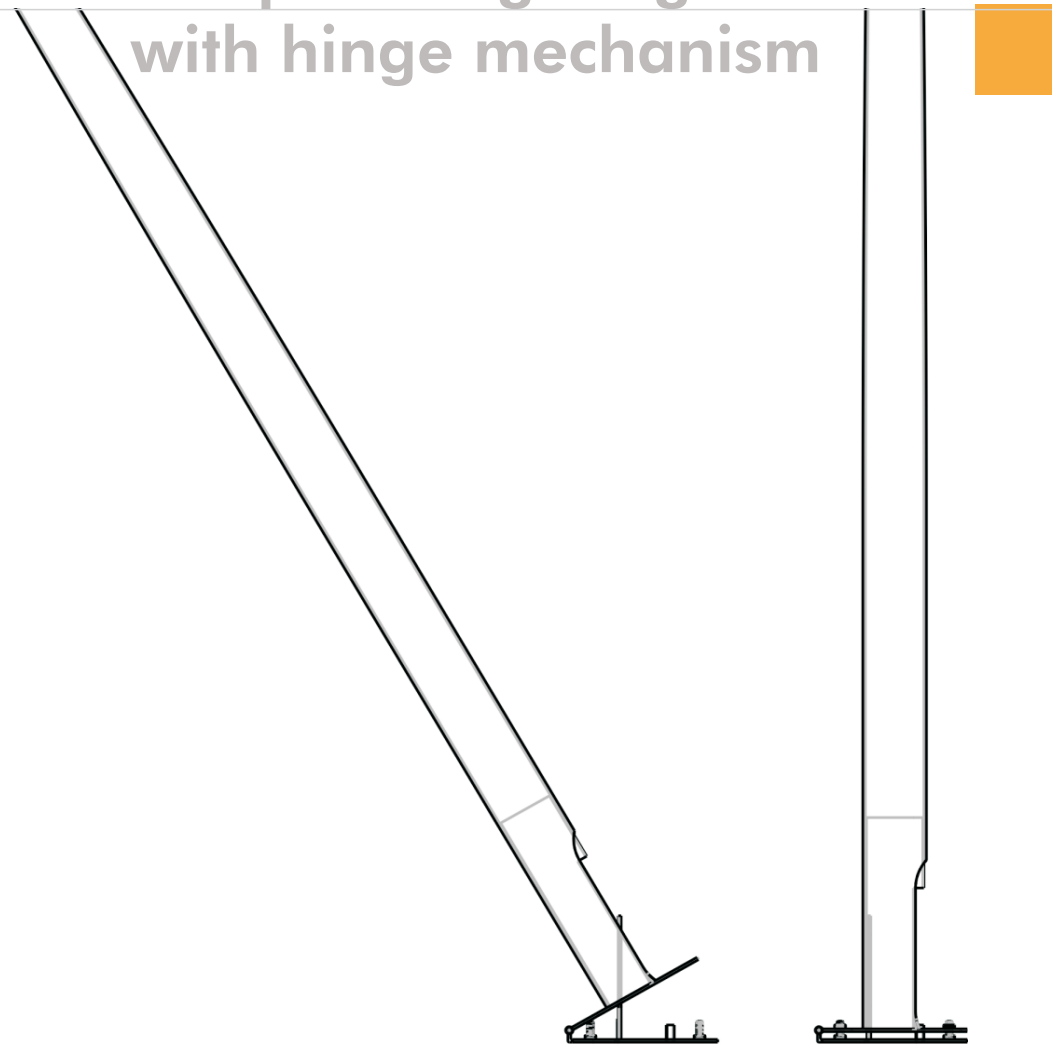
GH[m]- Length of the part in the ground

composite lighting column
with hinge mechanism



version " B "

composite lighting column with hinge mechanism



version „ B ”



light pole with a reflector

unlimited possibilities of choosing the pattern

led illumination

energy saving

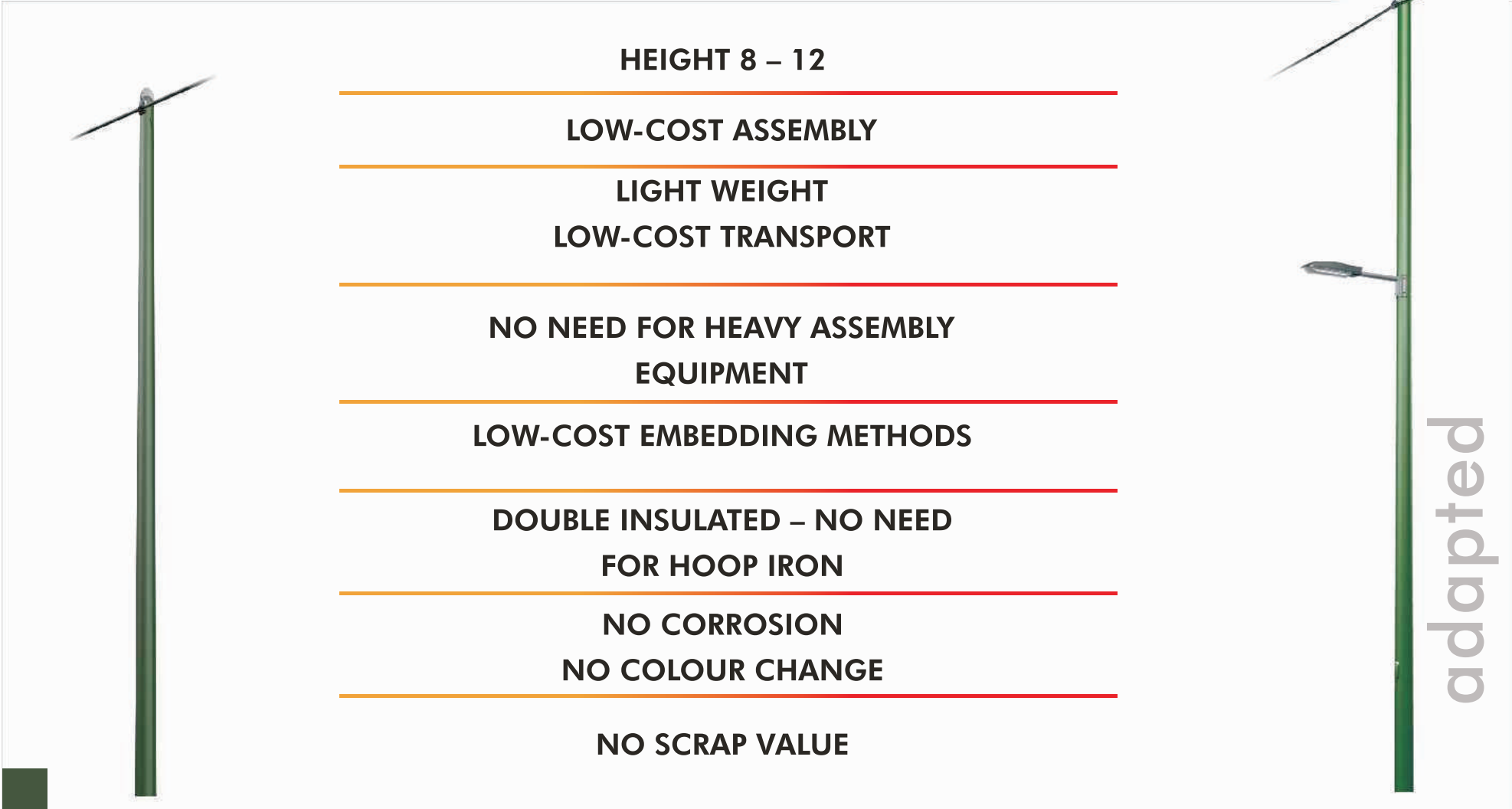
large cost saving with light poles mounted in the ground

passive safety

exemplary patterns



composite transmission pole for low voltage power lines



HEIGHT 8 – 12

LOW-COST ASSEMBLY

LIGHT WEIGHT
LOW-COST TRANSPORT

**NO NEED FOR HEAVY ASSEMBLY
EQUIPMENT**

LOW-COST EMBEDDING METHODS

**DOUBLE INSULATED – NO NEED
FOR HOOP IRON**

NO CORROSION
NO COLOUR CHANGE

NO SCRAP VALUE

adapted

composite aluminum lighting column

Composite aluminium lighting
upper part – aluminium pole,
lower part- composite pole

columns are made of two elements

EASY REPLACEMENT AFTER MECHANICAL DAMAGE

**HEIGHT OF THE LOWER
PART OF THE COLUMN IS 2M**

**THE LOWER PART
IS RESISTANT TO CORROSION
AND WEATHER CONDITIONS**

HIGH QUALITY ALUMINIUM

**AVAILABLE ALSO IN COMPOSITE
STEEL VERSION (GALVANIZED STEEL)**

**MAX HEIGHT
12M**



aluminium lighting column CHICAGO

**EXCLUSIVE
AND MODERN DESIGN**

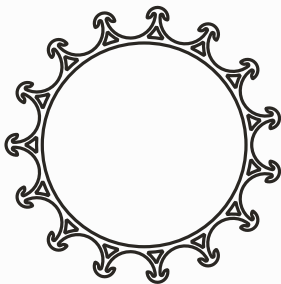
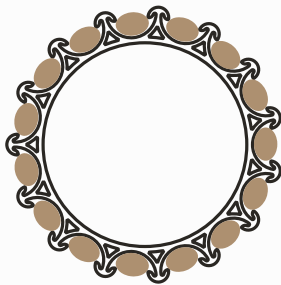
**HIGH QUALITY
ALUMINIUM**

**POSSIBLE
TO BE ANODIZED**

**POSSIBLE
TO BE WOOD DECORATED**



PROFILE



aluminium sectional lighting column

high quality aluminium

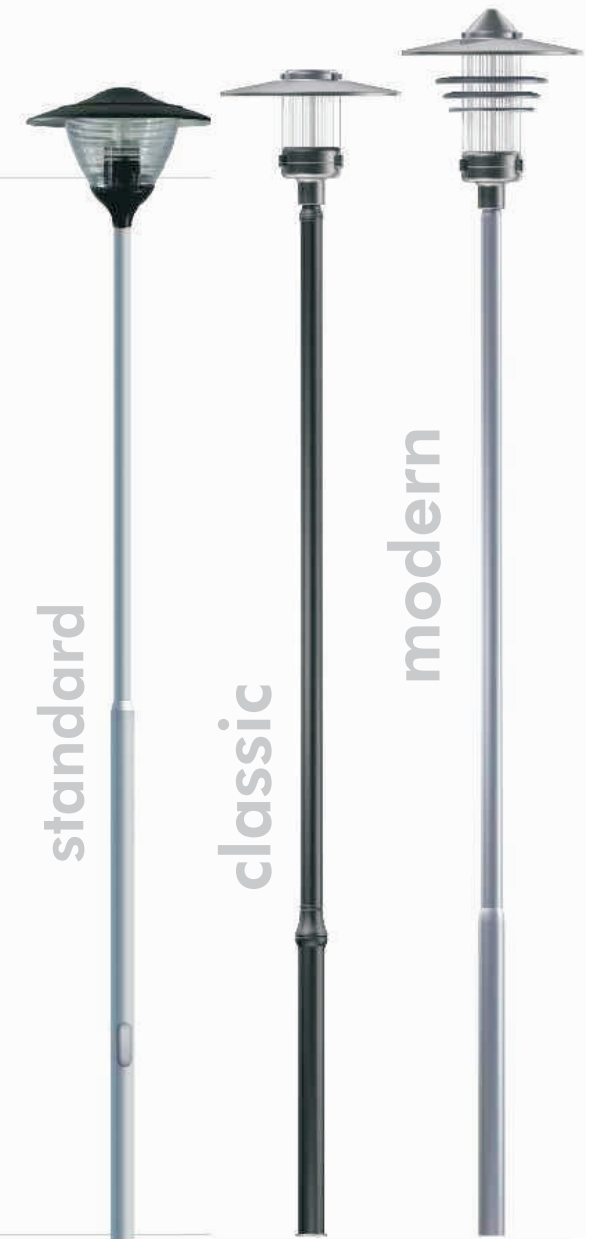
low-cost transportation

easy to assembly and disassembly

mounted in the ground or on the foundation

possible to be anodized at any colour

accordant with standard PN-EN 40-6



CERTIFICATES



Certificate of conformity with the safety requirements of the standards and/or normative documents:
EN 60529:1991 + A1:2000
EN 62262:2002
EN 50102:1995 + AC:2002



Our product gained a positive opinion from Railway Institute in Warsaw.



We gained a Declaration of Conformity (CE), stating that our composite lighting columns are in conformity with European Standard PN-EN 40-7:2004



Composite lighting columns can be used in rail infrastructure managed by Polish State Railways (PKP PLK).

SOME OF OUR AWARDS AND DISTINCTIONS



2008

DISTINCTION FOR COMPOSITE LIGHTING COLUMNS AT FAIR: ENERGETAB 2008 IN BIELSKO-BIALA



2010

THE FIRST PRIZE OF MINISTER OF INFRASTRUCTURE RECEIVED FOR COMPOSITE LIGHTING COLUMNS AT FAIR: INFRASTRUKTURA 2010 IN WARSAW



2010

BRONZE MEDAL FOR COMPOSITE LIGHTING COLUMNS COATED WITH SHINING GLASS MICROBEADS AND LED STRIP AT FAIR: ENERGETAB 2010



2011

AUTONOMOUS LAMP RECOMMENDED FOR CONCEST "GOOD DESIGN" 2011 BY INSTITUTE OF INDUSTRIAL DESIGN IN WARSAW.



2011

ALUMAST'S COMPOSITE LIGHTING COLUMNS GAINED POSITIVE OPINION FROM RAILWAY INSTITUTE IN WARSAW AND WE HAVE RECEIVED AN OPERATION PERMISSION FOR LIGHTING COLUMNS TO BE USED IN RAIL INFRASTRUCTURE OF PKP POLISH RAILWAY LINES



2011

SILVER MEDAL RECEIVED FOR AUTONOMOUS LAMP WITH LEDAL LUMINAIRE AT FAIR: ENERGETAB 2011 IN BIELSKO-BIALA



2011

DISTINCTION IN "PRODUCT OF THE YEAR" FOR GROUP OF PRODUCTS BASED ON COMPOSITE POLES AT FAIR: ENERGETICS 2011 IN LUBLIN.



2012

DISTINCTION IN A CONTEST FOR PRESIDENT CUP OF POLISH BELARUSIAN CHAMBER OF COMMERCE AND INDUSTRY FOR THE MOST ECONOMICAL SOLUTIONS IN ENERGY RECEIVED AT FAIR: ENERGETICS 2012 IN LUBLIN.



2012

RUSSIAN ORGANIZING COMMITTEE OF "BRUSSELSINNOVA 2012" REWARDED ALUMAST FOR ACTIVE PROMOTION OF ADVANCES IN SCIENCE AND MECHANICS AND FOR GREAT ACHIEVEMENTS AT 61TH THE WORLD EXHIBITION ON INVENTION, RESEARCH AND NEW TECHNIQUES



2012

SILVER MEDAL FOR LIGHT POLE WITH A REFLECTOR MADE OF COMPOSITE RECEIVED FROM THE WORLD EXHIBITION ON INVENTIONS, RESEARCH AND NEW TECHNOLOGIES - BRUSSELS INNOVA AT FAIR IN BRUSSELS

SOME OF THE REFERENCE LETTERS



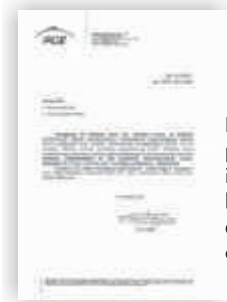
Tauron, the largest electricity distributor in Poland, confirms that Alumast's composite lighting columns are of a high quality and meet the requirements of power industry.



Polish Railway Lines state that they did not notice any deformation or discolouration of composite lighting columns after 6 months of operation.



Porsche Centrum in Katowice states that Alumast is a trustworthy business partner



Polish Energy Group - the largest power producing company in Poland believes that the cooperation between Alumast and PGE is fruitful and that the composite lighting columns are of a very high quality.



Magro International confirms that the service and installation of Alumast meet the requirements and are very professional



Mercedes-Benz confirms the high quality of products and the timeliness of Alumast

SOME OF THE REFERENCE LETTERS



IKEA declares that both, Alumasťs products and the quality of provided services as well as the level of customer service meet their expectation. They recommend Alumasť as a trustworthy partner.



Statoil confirms that the company uses Alumasťs services and that Alumasť is a reliable and honest business partner



Mc'Donalds confirms that Alumasť fulfilled all contracts and recommends Alumasť as a trustworthy partner.



Real states that Alumasť is a trustworthy and recommendable business partner because of its accuracy and timeliness

Thank you for your attention and for your time

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