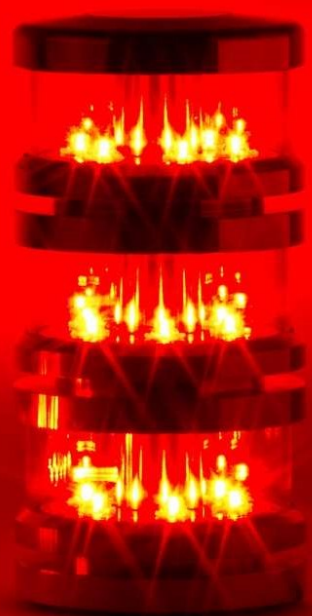


Catalogue 2019



OBSTACLE LIGHTING SOLUTIONS
&
VISUAL AIDS FOR HELIPORTS



IN AN INNOVATIVE COMPANY YOU DON'T FIND COMMON PEOPLE...

AN INVENTOR DOESN'T DESIGN COMMON PRODUCTS...

BAGLEM BELIVES THAT EVERITHING MUST BE SPECIAL.



BAGLEM® LIGHT LED is a trademark that was registered by MR di Balzarotti Ambrogio, company that since 1971 manufactures electrical panels for industrial automation, windings for the industry, single-phase and three-phase transformers, auto-transformers, reactors and electromagnets. Producing electrical panels for controlling of lighting devices, MR noticed the need of reliable lighting systems for the obstacle signalling.

To satisfy this demand the Owner of Baglem srl came up with a new modular system that allows emitting an ICAO compliant obstacle light also in backup mode. This patented solution is the beginning of the development of a series of innovative products. Due to the high quality standards and capability to satisfy client's needs by offering ad hoc solutions and with competitive prices, our lights are requested also in places of installation with the most difficult environmental conditions.

Now Baglem srl, after the success with obstacle lights, is expanding its business in the aviation lighting field and has created a complete range of visual aids for heliports. This products also are having success and are appreciated for quality and easy installation and Baglem will follow with creating new innovative products and by increasing the ability to satisfy the requirements of the customers without forgetting the importance of the Regulations.



Low intensity aviation obstacle light



ICAO COMPLIANCE

ICAO Annex 14 vol. 1, 7th edition,
July 2016, Chapter 6: Low
intensity type A, B, E

100% MADE IN ITALY

Baglem® light led products are
designed, assembled and tested
in Italy from our skilled
technicians.

PATENTED PRODUCT

Baglem® light led lights take
advantage from the patented
modular system.

Baglem® light led low Intensity Obstruction Light according to ICAO - Annex 14 and FAA is used to signal objects with a height of less than 45 mt above ground level, emits a beam of light with a 360° irradiation angle of Aeronautic Red color light with steady burning or flashing light.

Based on LED technology it ensures long lifetime and low consumption and avoids to face overheating problems. The PCB made up of 6 leds with 2 circuits ensures, in case of failure of one led, to have at least 50% of the light intensity working. Degree of protection IP68 with aluminium base and cover that protects the glass or polycarbonate from dust, dirt and snow.

BGL-L810S0R10

Single led light ICAO type A
Red light > 10 cd.
12, 24, 48 VDC

BGL-L810S0R20

Single led light ICAO type B
Red light > 32 cd.
12, 24, 48 VDC

BGL-L810S0R30

Single led light ICAO type E
Red light > 50 cd.
12, 24, 48 VDC

BGL-L810S5R10

Single led light ICAO type A
Red light > 10 cd.
230 VAC

BGL-L810S5R20

Single led light ICAO type B
Red light > 32 cd.
230 VAC

BGL-L810S5R30

Single led light ICAO type E
Red light > 50 cd.
230 VAC



Low intensity aviation obstacle light



BGL-L810M1Y41

Flashing led light ICAO type C

Amber light > 40 cd.

12, 24 VDC

Magnetic base

BGL-L810M1Y61

Flashing led light ICAO type D

Amber light > 200 cd.

12, 24 VDC

Magnetic base

BGL-L810P1Y41

Flashing led light ICAO type C

Amber light > 40 cd.

12, 24 VDC

Fixed plate

BGL-L810P1Y61

Flashing led light ICAO type D

Amber light > 200 cd.

12, 24 VDC

Fixed plate

ICAO COMPLIANCE

ICAO Annex 14 vol. 1, 7th edition,
July 2016, Chapter 6: Low
intensity type C, D

100% MADE IN ITALY

Baglem® light led products are
designed, assembled and tested
in Italy from our skilled
technicians.

PATENTED PRODUCT

Baglem® light led lights take
advantage from the patented
modular system.

Baglem®light led low Intensity Obstruction Light according to ICAO - Annex 14 and Airside safety Directive N° 14/2018 low intensity obstacle lights type C shall be displayed on vehicles and other mobile objects excluding aircraft. Low intensity obstacle lights type D shall be displayed on follow-me vehicles. The light emits a beam with a 360° irradiation angle of Amber color with flashing light.

Based on LED technology it ensures long lifetime and low consumption and avoids to face overheating problems. The PCB made up of 6 leds with 2 circuits ensures, in case of failure of one led, to have at least 50% of the light intensity working. Degree of protection IP68 with aluminium base and cover that protects the glass or polycarbonate from dust, dirt and snow.



Low intensity aviation obstacle light



BGL-L810D0R10

Dual led light ICAO type A
Red light > 10 cd.
12, 24, 48 VDC

BGL-L810D0R20

Dual led light ICAO type B
Red light > 32 cd.
12, 24, 48 VDC

BGL-L810D0R30

Dual led light ICAO type E
Red light > 50 cd.
12, 24, 48 VDC

BGL-L810D5R10

Dual led light ICAO type A
Red light > 10 cd.
230 VAC

BGL-L810D5R20

Dual led light ICAO type B
Red light > 32 cd.
230 VAC

BGL-L810D5R30

Dual led light ICAO type E
Red light > 50 cd.
230 VAC

Baglem® light led low Intensity Obstruction Light according to ICAO - Annex 14 and FAA is used to signal objects with a height of less than 45 mt above ground level, emits a beam of light with a 360° irradiation angle of Aeronautic Red color light with steady burning or flashing light.

Based on LED technology it ensures long lifetime and low consumption and avoids to face overheating problems. The PCB made up of 6 leds with 2 circuits ensures, in case of failure of one led, to have at least 50% of the light intensity working. Degree of protection IP68 with aluminium base and cover that protects the glass or polycarbonate from dust, dirt and snow.



ICAO COMPLIANCE

ICAO Annex 14 vol. 1, 7th edition,
July 2016, Chapter 6: Low
intensity type A, B, E

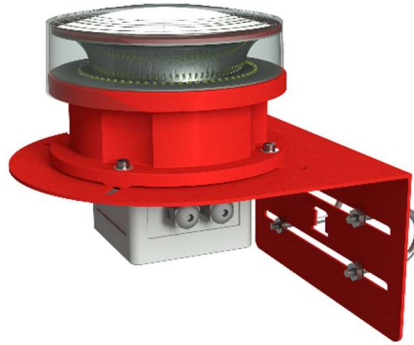
100% MADE IN ITALY

Baglem® light led products are
designed, assembled and tested
in Italy from our skilled
technicians.

PATENTED PRODUCT

Baglem® light led lights take
advantage from the patented
modular system.

Medium intensity aviation obstacle light



BGL-L864S0R0

Single led light ICAO type B
Red light > 2000 cd.
12, 24, 48 VDC

BGL-L864S0RF

Single led light ICAO type C
Red light > 2000 cd.
12, 24, 48 VDC

BGL-L864S5R0

Single led light ICAO type B
Red light > 2000 cd.
230 VAC

BGL-L864S5RF

Single led light ICAO type C
Red light > 2000 cd.
230 VAC

ICAO COMPLIANCE

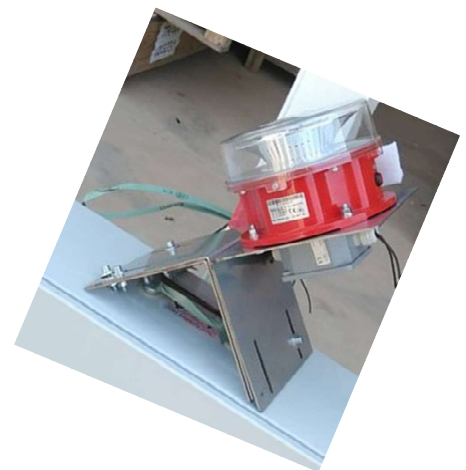
ICAO Annex 14 vol. 1, 7th edition,
July 2016, Chapter 6: Low intensity
type B,C.

KEY FEATURES

Based on single chip computer
control, automatic identification
sync signal.
Same power supply voltage with
synchronous signal, integrated in
power supply cable, eliminate the
damage by error installation
caused.
Used the photosensitive probe fit
for the natural light spectrum
curve, anatomic control light
intensity level.
The circuit of the light has surge
protection, suitable also for harsh
environment.

Baglem medium Intensity Obstruction Light according to ICAO -
Annex 14 and FAA is used to signal objects with a height 45 mt to
a hight less then 150 mt above ground level, emits a beam of light
with a 360° irradiation angle of Aeronautic Red color light with
steady burning or flashing light.

Based on LED technology it ensures long lifetime and low
consumption and avoids to face overheating problems. Degree of
protection IP 65 anti-UV cover and aluminium housing.



Medium intensity aviation obstacle light



ICAO COMPLIANCE

ICAO Annex 14 vol. 1, 7th edition,
July 2016, Chapter 6: Low intensity
type B,C.

KEY FEATURES

Based on single chip computer
control, automatic identification
sync signal.
Same power supply voltage with
synchronous signal, integrated in
power supply cable, eliminate the
damage by error installation
caused.
Used the photosensitive probe fit
for the natural light spectrum
curve, anatomic control light
intensity level.
The circuit of the light has surge
protection, suitable also for harsh
environment.

Baglem medium Intensity Obstruction Light according to ICAO -
Annex 14 and FAA is used to signal objects with a height 45 mt to
a height less then 150 mt above ground level, emits a beam of light
with a 360° irradiation angle of Aeronautic Red color light with
steady burning or flashing light.

Based on LED technology it ensures long lifetime and low
consumption and avoids to face overheating problems. Degree of
protection IP 65 anti-UV cover and aluminium housing.



BGL-L864D0R0

Dual led light ICAO type B
Red light > 2000 cd.
12, 24, 48 VDC

BGL-L864D0RF

Dual led light ICAO type C
Red light > 2000 cd.
12, 24, 48 VDC

BGL-L864D5R0

Dual led light ICAO type B
Red light > 2000 cd.
230 VAC

BGL-L864D5RF

Dual led light ICAO type C
Red light > 2000 cd.
230 VAC

BGL-L865-6D0W0

Dual led light ICAO type A
Day White light > 20000 cd.
Night White light > 2000 cd.
12, 24, 48 VDC

BGL-L864-5D0RW0

Dual led light ICAO type
A+B
Day White light > 20000 cd.
Night Red light > 2000 cd.
12, 24, 48 VDC

BGL-L865-6D5W0

Dual led light ICAO type A
Day White light > 20000 cd.
Night White light > 2000 cd.
230 VAC

BGL-L864-5D5RW0

Dual led light ICAO type
A+B
Day White light > 20000 cd.
Night Red light > 2000 cd.
230 VAC

Control panel for obstacle lighting systems

REFERENCE STANDARDS

IEC 61439-1 ; CEI-EN 61439-2 ;
CEI-EN 60204-1

100% MADE IN ITALY

Baglem® light led products are designed, assembled and tested in Italy from our skilled technicians.

ADDITIONAL OPTIONS

The system Baglem® Lights Synchronizer is based on the reception of UTC from the satellite system GPS (Global Positioning System) with an accuracy in the order of milliseconds. Virtually an infinite number of signaling systems Baglem®, provided by Baglem® Lights Synchronizer, without physical connection of each other are able to activate the lights in a synchronized manner with a time lag, between all of them, less than one millisecond.



Baglem®light led control panel is used to monitor the state of operation of the lights and, in case of failure, activates the backup mode, the fault alarm can be local and/or remote. (Optional SMS alarm transmission) This product boasts an extreme simplicity of use and a great economic advantage thanks to the dusk sensor that allows you to turn on and off lights automatically, eliminating the waste of energy and the use of personnel. It can be powered from a landline or alternative energy. The control panel is also able to work with both power supplies using the fixed network simultaneously for operating and charging the battery packs, if the main supply is interrupted, it will work thanks to batteries (UPS) until reset the fixed network.



BGL-M3131210322

Folded and welded from a cold-pressed sheet steel plate, all parts are pre-treated with iron phosphate, demineralised and protected by an epoxy-polyester powder-structure coating in RAL7035. The door is mounted using safety pins and the hinges are hidden and have a foamed polyurethane seal. High degree of protection and impact resistance IK10 according to IEC 60529 standards.

BGL-I3131210322

AISI 304 stainless steel (Wnr 1.4301) enclosure with hinged solid door. Door opening: 145° with hinges on the left. Internal mounting plate 25/10 FeZn. IP 66 protection rating. The body front of the enclosure is a double-edged rain gutter to allow water to drain. The door is mounted using safety pins and the hinges are hidden and have a foamed polyurethane seal.

BGL-P3131210322

Fibreglass reinforced polyester, Halogen free, RAL 7035, Protection degree: IP 66, Impact resistance: IK10 20J, Self-extinguishable 960°, Double isolation according to UNE-EN 60439-1, IEC60439-1, Thermic class E 150°. The door is mounted using safety pins and the hinges are hidden and have a foamed polyurethane seal.



Solar kits for obstacle lighting systems

REFERENCE STANDARDS

IEC 61439-1 ; CEI-EN 61439-2 ;
CEI-EN 60204-1

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ADDITIONAL OPTIONS

The system Baglem® Lights Synchronizer is based on the reception of UTC from the satellite system GPS (Global Positioning System) with an accuracy in the order of milliseconds. Virtually an infinite number of signaling systems Baglem®, provided by Baglem® Lights Synchronizer, without physical connection of each other are able to activate the lights in a synchronized manner with a time lag, between all of them, less than one millisecond.



BGL-QPMPF010S

Solar control panel 10 W
Single low intensity obstacle light

BGL-QPMPF015S

Solar control panel 15 W
Single low intensity obstacle light

BGL-QPMPF020S

Solar control panel 20 W
Single low intensity obstacle light

BGL-QPMPF010D

Solar control panel 10 W
Double low intensity obstacle light

BGL-QPMPF015D

Solar control panel 15 W
Double low intensity obstacle light

BGL-QPMPF020D

Solar control panel 20 W
Double low intensity obstacle light



ON REQUEST

Solar control panel 20-50-100 W
Single-Double low intensity obstacle light

ON REQUEST

Solar control panel 20-50-100 W
Medium intensity obstacle light



Baglem®light led solar system does not need an external power. A photovoltaic panel and a battery group supply power to the system. System specially designed for low power consumption and long battery life. System operates under the control of photocell relay, so it automatically turns the system on when ambience gets dark and runs it off when the ambience gets lighten. The compact design version has panel, battery and lamp included in a compact robust box. You only need to turn on the switch to operate the system.

Inset omnidirectional tlof lights



ICAO COMPLIANCE

ICAO Annex 14 vol. II, 4th edition,
July 2013,

100% MADE IN ITALY

Baglem® light led products are
designed, assembled and tested in
Italy from our skilled technicians.

TOP QUALITY

The inset lamp is tested and
certified by third parties to guarantee
the high quality that allows to avoid
infiltrations and other defects found
on this type of products currently on
the market.

Baglem® light led inset lights for TLOF and FATO areas are used as
steady burning approach lights, final approach and take-off lights,
aiming point lights and perimeter lights.

the omnidirectional light source is mounted in the aluminum body with
lower cap in oxidized aluminum casting and lens with breaking power
at 2 Ton. it is complete of gasket and mechanically bound to the cap
by means of a stainless steel lens ring, the degree of protection is
IP65.

The inset lamp is supplied with a circular bracket that allows an easy
and fast installation. Based on LED technology it ensures long lifetime
and low consumption and avoids to face overheating problems. The
PCB made up of 6 leds with 2 circuits ensures, in case of failure of
one led, to have at least 50% of the light intensity working.

BGL-TLOFS1G000

Green light > 60 cd.
12, 24, 48 VDC

BGL-TLOFS1Y000

Yellow light > 60 cd.
12, 24, 48 VDC

BGL-TLOFS1W000

White light > 350 cd.
12, 24, 48 VDC

BGL-TLOFS1B000

Blue light > 32 cd.
12, 24, 48 VDC

BGL-TLOFS5G000

Green light > 60 cd.
230 VAC

BGL-TLOFS5Y000

Yellow light > 60 cd.
230 VAC

BGL-TLOFS5W000

White light > 350 cd.
230 VAC

BGL-TLOFS5B000

Blue light > 32 cd.
203 VAC



Overground omnidirectional fato lights



ICAO COMPLIANCE

ICAO Annex 14 vol. II, 4th edition,
July 2013,

100% MADE IN ITALY

Baglem® light led products are
designed, assembled and tested in
Italy from our skilled technicians.

TOP QUALITY

The overground lamp is tested and
certified by third parties to guarantee
the high quality that allows to avoid
infiltrations and other defects found
on this type of products currently on
the market.

The **fato** perimeter lights must be placed without blinding the pilots in flight and the staff who works on that area. The lights for the diffused illumination of **tlof** area must not exceed the height of 25 cm if located within the security area of the heliport or within the area that must be free from obstacles. The arrangement and orientation of the lights must be such as to minimize shadows. Baglem® light led fato lights are very easy and fast to install overground with bar bracket. The light is composed of a body made of Aluminum with a low level of copper, and a resistant borosilicate glass part with a high mechanical resistance and high temperature resistance. Degree of protection IP68. Based on LED technology it ensures long lifetime and low consumption and avoids overheating problems. The PCB is made up of 6 leds with 2 circuits ensures, in case of failure of one led, to have at least 50% of the light intensity working.

BGL-FATOS1G000

Green light > 60 cd.
12, 24, 48 VDC

BGL-FATOS1Y000

Yellow light > 60 cd.
12, 24, 48 VDC

BGL-FATOS1W000

White light > 350 cd.
12, 24, 48 VDC

BGL-FATOS1B000

Blue light > 32 cd.
12, 24, 48 VDC

BGL-FATOS5G000

Green light > 60 cd.
230 VAC

BGL-FATOS5Y000

Yellow light > 60 cd.
230 VAC

BGL-FATOS5W000

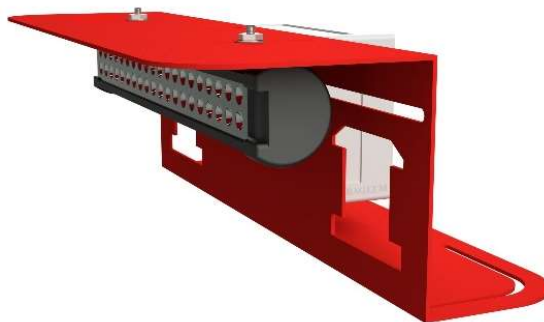
White light > 350 cd.
230 VAC

BGL-FATOS5B000

Blue light > 32 cd.
203 VAC



Floodlights



BGL-FLOO6000

White light 6000 lumen
12, 24, 48 VDC

BGL-FLOO8000

White light 8000 lumen
12, 24, 48 VDC

BGL-FLOO60002

White light 6000 lumen
230 VAC

BGL-FLOO80002

Blue light > 32 cd.
230 VAC

ICAO COMPLIANCE

ICAO Annex 14 vol. II, 4th edition,
July 2013,

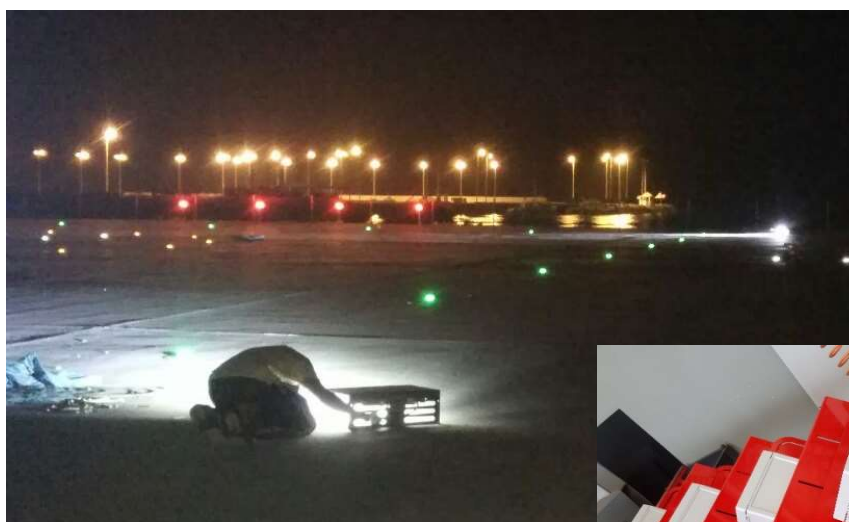
100% MADE IN ITALY

Baglem® light led products are
designed, assembled and tested in
Italy from our skilled technicians.

KEY FEATURES

low power consumption and long life
light source;
easy way for mounting and simple
cable plug and play connection;
resistance to corrosion.

Baglem® light led floodlights are used, besides the perimeter lights,
to illuminate touchdown and lift - off area in compliance with ICAO.
The height doesn't exceed 25 cm from ground, the special design
allows to avoid glare to pilots in flight or to personnel working on the
area. Projectors have to be installed outside the perimeter of the
touchdown and lift-off area. They can be fixed on a special base by
means of screws or bolts, or directly to the ground and must be
carefully oriented, in order to achieve the most effective spreading of
the light. Degree of protection IP67.



Adjustable floodlights



BGL-FLOO0SL00

White light
Single – 1 light source
12, 24, 48 VDC

BGL-FLOO0DL00

White light
Double – 2 light sources
12, 24, 48 VDC

BGL-FLOO5SL00

White light
Single – 1 light source
230 VAC

BGL-FLOO5DL00

White light
Double – 2 light sources
230 VAC

ICAO COMPLIANCE

ICAO Annex 14 vol. II, 4th edition,
July 2013,

100% MADE IN ITALY

Baglem® light led products are
designed, assembled and tested in
Italy from our skilled technicians.

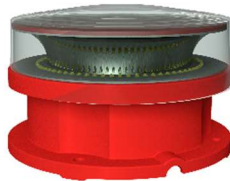
KEY FEATURES

low power consumption and long
life light source;
easy way for mounting and simple
cable plug and play connection;
resistance to corrosion

Baglem® light led adjustable floodlights are used, besides the perimeter lights, to illuminate touchdown and lift - off area in compliance with ICAO. The height doesn't exceed 25 cm from ground, the special design allows to avoid glare to pilots in flight or to personnel working on the area. It is possible to adjust the lights 90° right and 90° left horizontally and 27° vertically. Projectors have to be installed outside the perimeter of the touchdown and lift-off area. They can be fixed on a special base by means of screws or bolts, or directly to the ground and must be carefully oriented, in order to achieve the most effective spreading of the light. Degree of protection IP67.



Heliport beacon



BGL-LHB0000

White light >2500 cd
Flash rate "H Morse"
230 VAC.

ICAO COMPLIANCE

ICAO Annex 14 vol. II, 4th edition,
July 2013,

KEY FEATURES

IZOD notch impact strength: 90
Working temperature can be 130°
Light weight, water tightness,
corrosion resistant, long life light
source.

Baglem® light led heliport beacon should be provided at a heliport where long-range visual guidance is considered necessary and is not provided by other visual means; or when identification of the heliport is difficult due to surrounding lights. The light is emitting repeated series of equispaced short duration white flashes in the format of the morse letter 'H'. Degree of protection IP65.

Rotating beacon

BGL-L802-520

White and Green light
Or
White and Yellow light
230 VAC.

BGL-L802-530

White, Yellow and Green light
230 VAC.



Flight path alignment guidance lighting system



BGL-GPI800YGR

Top beam (yellow) indicates a too high altitude of approach.

Center beam (green) is the correct altitude

Lower beam (red) is a too low altitude.

By staying within the green light beam, the correct slope is maintained to touchdown.

230 VAC

BGL-L881HAPI00

Flashing Green Light : Helicopter above the optimal approach slope (too high)

Fix Green Light: Helicopter on the slope

Fix Red Light: Helicopter slightly below the optimal slope (slightly too low)

Flashing Red Light: Helicopter below the optimal slope (too low)

230 VAC



ICAO COMPLIANCE

ICAO Annex 14 vol. II, 4th edition,
July 2013,

100% MADE IN ITALY

Baglem® light led products are designed, assembled and tested in Italy from our skilled technicians.

KEY FEATURES

low power consumption and long life light source;

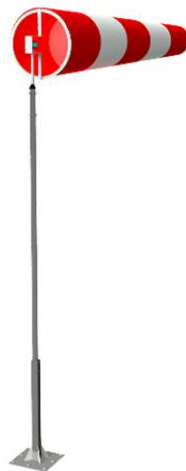
easy way for mounting and simple cable plug and play connection;

resistance to corrosion.

Baglem® light led flight path alignment guidance systems use a LED lamp of very high intensity and has a rated life of at least 50,000 hours. The mechanical part is folded and welded from a cold-pressed sheet steel plate, all parts are pre-treated with iron phosphate, demineralised and protected by an epoxy-polyester powder-structure coating in RAL3020. Degree of protection IP67.



Wind direction indicator



The customer can choose between Unlighted, Internally Lighted, Externally Lighted or Solar Internally Lighted versions. And we add the Red obstacle light on top if required. Our wind direction indicators are sold with Full LED solution and low power consumption. Tilting mast in galvanized and powder coated steel sheet, complete with base flange, rotating Frame and Hoop.

BGL-MAN02R6030

2 mt total height
Internally lighted
24 VDC

BGL-MAN04R6030

4 mt total height
Internally lighted
24 VDC

BGL-MAN06R6030

6 mt total height
Internally lighted
24 VDC

BGL-MAN02R60302

2 mt total height
Internally lighted
230VAC

BGL-MAN04R60302

4 mt total height
Internally lighted
230 VAC

BGL-MAN06R60302

6 mt total height
Internally lighted
230 VAC

BGL-MAN240

L. 240 cm ; Ø60 ø 30
White /Red Ripstop textile 80 gr

BGL-MAN240160

L. 240 cm; Ø60 ø 30
White /Red Polyester 160 gr



Control panel for heliport lighting systems



BGL-QGM00007

Metal RAL 7032

7 circuits

230 Vac / 400 Vac / on request

BGL-QGM00010

Metal RAL 7032

10 circuits

230 Vac / 400 Vac / on request



REFERENCE STANDARDS

The Legislation 2006/95/CE (low voltage regulation), The Legislation EMC 2004/108/CE (electromagnetic compatibility

Regulation), 93/68/CEE (CE marking Regulation), harmonized Regulation CEI EN 61439-1/CEI EN 61439-2 is applicated

100% MADE IN ITALY

Baglem® light led products are designed, assembled and tested in Italy from our skilled technicians.

The framework manages autonomously the heliport lighting system by controlling the state of operation and protecting the various circuits. The electrical circuits of power light line are double to ensure, in case of failure, that the second circuit makes the system working at least to 50%. In charge of each circuit are installed thermal magnetics and circuit breaker to protect it against short circuits or ground faults.

BGL-L854000

AIRSWITCH RCM 854 radio.

(It can be incorporated in the control panel)



What is the meaning of quality for baglem?



STRENGTH



EFFICIENCY



PRECISION



ATTENTION TO DETAILS



AIRPORT



LINATE



AIRPORT



FRIULI VENEZIA GIULIA



AIRPORT



MALPENSA





TEKFEN GAYRİMENKUL

AEROPORTO



VENEZIA



SIEMENS



AEROPORTO



TREVISO



AEROPORTO



FIUMICINO

DON'T COMPLAIN ABOUT THE QUALITY, CHOOSE BAGLEM!

BAGLEM SRL

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