Andelec







Obstructions Lights



Low Intensity LED LBIA TYPE A > 10 Cd - 230V AC



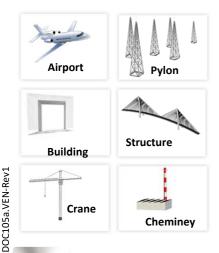




Regulations:

- OACI, STAC N° 2010A012
- CF

Scope of application:



Description:

The LBIA is based on multi-LEDs technology. Dedicated to a night beaconing, it is a long life beacon (100 000 hours), very strong, with a low consumption (3w).

The LBIA can be provided with photocell for an automatic switch ON/OFF, and a dry contact for failure alarm.

The LBIA can be solar power supplied for an environmentally friendly system.

It has been designed for an easy installation.

Advantages:

- Long life time > 10 years
- -Multi LEDs
- -Low consumption < 3W
- -Lightning protection
- -Auto test cycling when the photocell is integrated
- -No maintenance
- -2 year warranty

Applications:

Rules concerning aircraft beaconing are established by the ICAO

Low intensity beacons can be installed on structures up to 45 meters.

According to the rules, an uninterruptible power supply cabinet has to be installed to insure a 12 hour beaconing in case of power supply failure.

Model	Voltage	Photocell	Dry contact
LBIA00MC	110-240V AC	Not included	Not included
LBIA01MC	110-240V AC	Not included	Included
LBIA11MC	110-240V AC	Included	Included





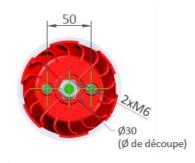
Low Intensity LED LBIA TYPE A > 10 Cd - 230V AC

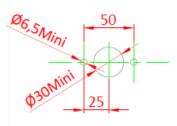
Characteristics

· · · · · · · · · · · · · · · · · · ·	Т
Luminous	
Luminous source	LEDs
Colour	Red
Horizontal beam	360°
Vertical beam	10°
Luminous intensity	>10 Cd
MTBF	100 000 Hours
Electrics	
Voltage	110 à 240V AC
Lightning protection	Integrated
Functioning temperature	-55°C to +55°C
Consumption	<3 Watts
Current Imax	10mA
Protection class	IP66
Cable	2 meters
Mechanicals	
Body material	Aluminium
Lane material	Polycarbonate with peak against
Lens material	birds
Fixation	Screw M6
Height	225mm
Wight	120mm
Weight	<1.5 Kg
Environment	
Humidity	100%
Gel	-60°C
Wind speed	240 Km/h
Certifications	
	EN60947-1
CE	CEI60364, NF C15-100
	EN60529
OACI	Annexe 14, Volume I, Chapter 6
Warranty	2 years
Quality	ISO 9001 ; 2008
Options	Photocell integrated
	Dry contact for failure alarm
	integrated

Dimensions:

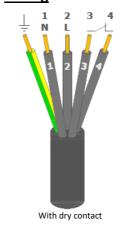






Empreinte de perçage

Wiring





- Stainless steel mounting
- Driving box
- Power supply
- Safety power supply
- Solar kit





Low Intensity LED LBIA TYPE A > 10 Cd - DC



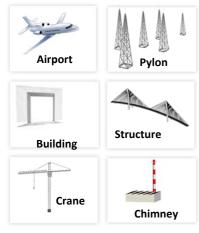




Regulations:

- OACI, STAC N° 2010A012
- CE

Scope of application



Description:

The LBIA is based on multi-LEDs technology. Dedicated to a night beaconing, it is a long life beacon (100 000 hours), very strong, with a low consumption (<3w).

The LBIA can be provided with photocell for an automatic switch ON/OFF, and a dry contact for failure alarm.

The LBIA can be solar power supplied for an environmentally friendly system.

It has been designed for an easy installation.

Advantages:

- Long life time > 10 years
- -Multi LEDs
- -Low consumption < 3W
- -Lightning protection
- -Auto test cycling when the photocell is integrated
- -No maintenance
- -2 year warranty

Applications:

Rules concerning aircraft beaconing are established by the ICAO

Low intensity beacons can be installed on structures up to 45 meters.

According to the rules, an uninterruptible power supply cabinet has to be installed to insure a 12 hour beaconing in case of power supply failure.

Model	Voltage	Photocell	Dry contact
LBIA00CC	12 to 48V DC	Not included	Not included
LBIA01AC	24V DC	Not included	Included
LBIA11AC	24V DC	Included	Included
LBIA01BC	48V DC	Not included	Included
LBIA11BC	48V DC	Included	Included



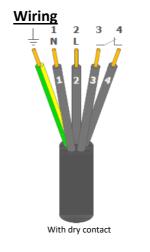


Low Intensity LED LBIA TYPE A > 10 Cd - DC

Characteristics

Dimensions:







- Stainless steel mounting
- Driving box
- Power supply
- UPS system
- Solar kit





Mounting bracket for Low Intensity Lights

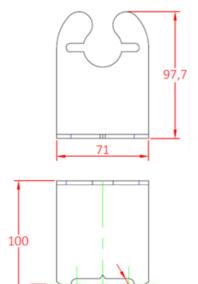


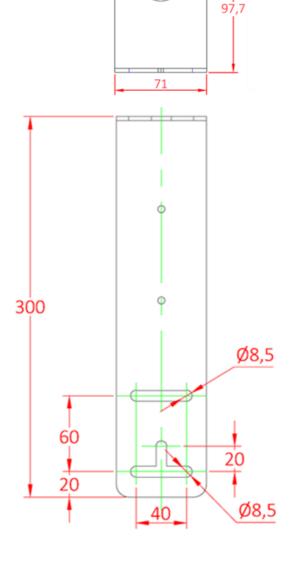
100mm Mounting bracket Ref. P89743

15,5



300mm Mounting bracket Ref. P89744









Low Intensity LED LBIA TYPE A > 10 Cd - Twiny







Description:

The TWINY is a one block beacon, equipped with the exclusive redundant system. For a safety installation, its automatic test is launched every day. With the LEDs technology, it offers performances in terms of life time (100 000 hours), robustness and consumption

The LBIA TWINY can be solar power supplied for an environmentally friendly system.

The specific design of the box is the most convenient solution on the market for installation: mounting frame is a part of the box and the light position could be adjusted in the suitable position.

Advantages:

- Long life time > 10 years
- -Multi LEDs
- -Low consumption < 3W
- -Lightning protection
- Automatics test checks the well-functioning of the both lights
- -No maintenance
- -2 year warranty

Applications:

Rules concerning aircraft beaconing are established by the ICAO

Low intensity beacons can be installed on structures up to 45 meters.

According to the rules, an uninterruptible power supply cabinet has to be installed to insure a 12 hour beaconing in case of power supply failure.

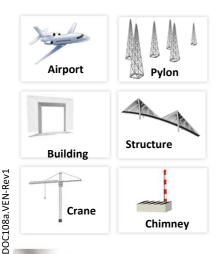
Models

Model	Voltage	Photocell	Dry contact
LBIATWCB	48V DC	Included	Included
LBIATWMB	110-240V AC	Included	Included

Regulations:

- OACI, STAC N° 2010A020
- CE
- FAA Compliant L810

Scope of application:





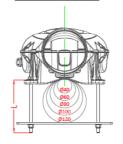


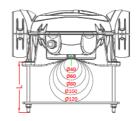
Low Intensity LED LBIA TYPE A > 10 Cd - Twiny

Characteristics

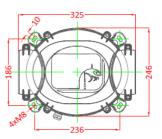
Luminous		
Luminous source	LEDs	
Colour	Red	
Horizontal beam	360°	
Vertical beam	10°	
Luminous intensity	>10 Cd	
MTBF	100 000 Hours	
Electrics		
Voltage	48V DC / 110-240V AC	
Lightning protection	Integrated	
Functioning temperature	-55°C to +55°C	
Consumption	<3 Watts	
Command Image	To 48V : I=50mA	
Current Imax	To 230V : I=10mA	
Protection class	IP68	
Mechanicals		
Box material	Zamac	
Body lamp material	Composite	
Lens material	Polycarbonate with bird spike	
Fixation	M8 screw	
Height	420mm	
Weight	<5 Kg	
Environment		
Humidity	100%	
Gel	-60°C	
Wind speed	240 Km/h	
Certifications		
	EN60947-1	
CE	CEI60364, NF C15-100	
	EN60529	
OACI	Annexe 14, Volume I, Chapter	
	6	
Warranty	2years	
Quality	ISO 9001 ; 2008	

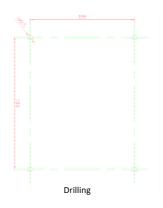
Dimensions:

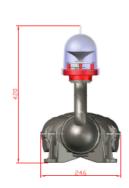




SCREW		
LENGTH		
Ø: L:		
Ø40	50	
Ø60	70	
Ø80	90	
Ø100	110	
Ø120	130	



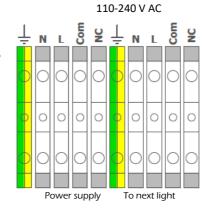


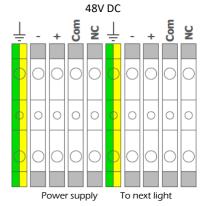


Available accessories for installation

- Power supply
- Safety power supply
- Solar kit

Wiring









Low intensity LED LBIB TYPE B >32 Cd - AC



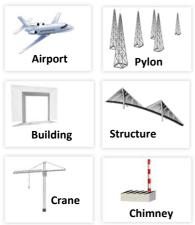




Regulations:

- OACI, STAC N° 2010A020
- CE
- FAA Compliant L810

Scope of application:



Description:

The LEDEOBIB is based on multi-LEDs technology. Dedicated to a night beaconing, it is a long life beacon (100 000 hours), very strong with a long consumption (<6w).

The LEDEOBIB can be provided with photocell for an automatic switch ON/OFF, and a dry contact for failure alarm.

The LEDEOBIB can be solar power supplied for an environmentally friendly system.

It has been designed for an easy installation.

Advantages:

- Long life time > 10 years
- -Multi LEDs
- -Low consumption < 6W
- -Lightning protection
- -Auto test cycling when the photocell is integrated
- -No maintenance
- -2 year warranty

Applications:

Rules concerning aircraft beaconing are established by the ICAO

Low intensity beacons can be installed on structures up to 45 meters.

According to the rules, an uninterruptible power supply cabinet has to be installed to insure a 12 hour beaconing in case of power supply failure.

Models

Model	Voltage	Photocell	Dry contact
LBIB00MC	110 - 240V CA	Not included	Not included
LBIB01MC	110 - 240V CA	Not included	Included
LBIB11MC	110 - 240V CA	Included	Included



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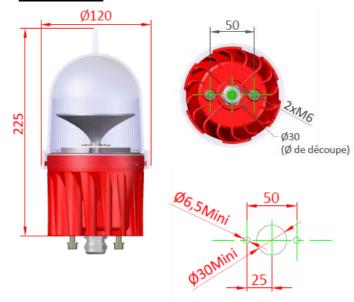


Low intensity LED LBIB TYPE B > 32 Cd – AC

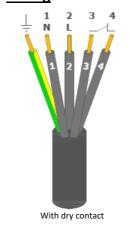
Characteristics

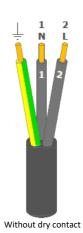
	_
Luminous	
Luminous source	LEDs
Colour	Red
Horizontal beam	360°
Vertical beam	10°
Luminous intensity	>32 Cd
MTBF	100 000 Hours
Electrics	
Voltage	110 à 230V CA
Lightning protection	Integrated
Functioning temperature	-55°C to +55°C
Consumption	<6 Watts
Current Imax	I=23mA
Protection class	IP66
Cable	2 meters
Mechanicals	
Body material	Aluminium
Lens material	Polycarbonate with bird spike
Fixation	Screw M6 (included)
Height	225mm
Width	120mm
Weight	<1.5 Kg
Environment	
Humidity	100%
Gel	-60°C
Wind speed	240 Km/h
Certifications	
	EN60947-1
CE	CEI60364, NF C15-100
	EN60529
OACI	Annexe 14, Volume I, Chapter 6
	·
Quality	ISO 9001 ; 2008
	Compliant L-810
Warranty	2years Photocoll integrated
Options	Photocell integrated
	Dry contact for failure alarm
	integrated

Dimensions:



Wiring





- Stainless steel mounting
- Driving box
- Power supply
- UPS system
- Solar kit





Low intensity LED LBIB TYPE B >32 Cd - DC



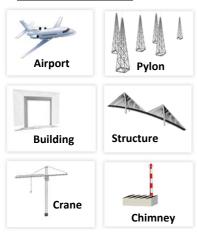




Regulations:

- OACI, STAC N° 2010A020
- CE
- FAA Compliant L810

Scope of application:



Description:

The LBIB is based on multi-LEDs technology. Dedicated to a night beaconing, it is a long life beacon (100 000 hours), very strong with a long consumption (<6w).

The LBIB can be provided with photocell for an automatic switch ON/OFF, and a dry contact for failure alarm.

The LBIB can be solar power supplied for an environmentally friendly system.

It has been designed for an easy installation.

Advantages:

- Long life time > 10 years
- -Multi LEDs
- -Low consumption < 6W
- -Lightning protection
- -Auto test cycling when the photocell is integrated
- -No maintenance
- -2 year warranty

Applications:

Rules concerning aircraft beaconing are established by the ICAO

Low intensity beacons can be installed on structures up to 45 meters.

According to the rules, an uninterruptible power supply cabinet has to be installed to insure a 12 hour beaconing in case of power supply failure.

Models

Model	Voltage	Photocell	Dry contact
LBIB00DC	24 to 48V DC	Not included	Not included
LBIB01AC	24V DC	Not included	Included
LBIB11AC	24V DC	Included	Included
LBIB01BC	48V DC	Not included	Included
LBIB11BC	48V DC	Included	Included





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Low intensity LED LBIB TYPE B >32 Cd - DC

Characteristics

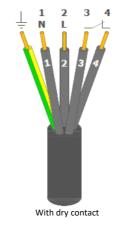
Luminous	
Luminous source	LEDs
Colour	Red
Horizontal beam	360°
Vertical beam	10°
Luminous intensity	>32 Cd
MTBF	100 000 Hours
Electrics	
Voltage	24, 48V DC
Lightning protection	Integrated
Functioning temperature	-55°C to +55°C
Consumption	<6 Watts
6	To 24V : l=220mA
Current Imax	To 48V : I=110mA
Protection class	IP66
Cable	2 meters
Mechanicals	
Body material	Aluminium
1	Polycarbonate with peak against
Lens material	birds
Fixation	M6 screw (included)
Height	225mm
Width	120mm
Weight	<1.5 Kg
Environment	
Humidity	100%
Gel	-60°C
Wind speed	240 Km/h
Certifications	
	EN60947-1
CE	CEI60364, NF C15-100
	EN60529
OACI	Annexe 14, Volume I, Chapter 6
Quality	ISO 9001 ; 2008
FAA	Compliant L-810
Warranty	2 years
Options	Photocell integrated
- p	Dry contact for failure alarm
	integrated

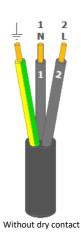
^{*}as per installation conditions

Dimensions:







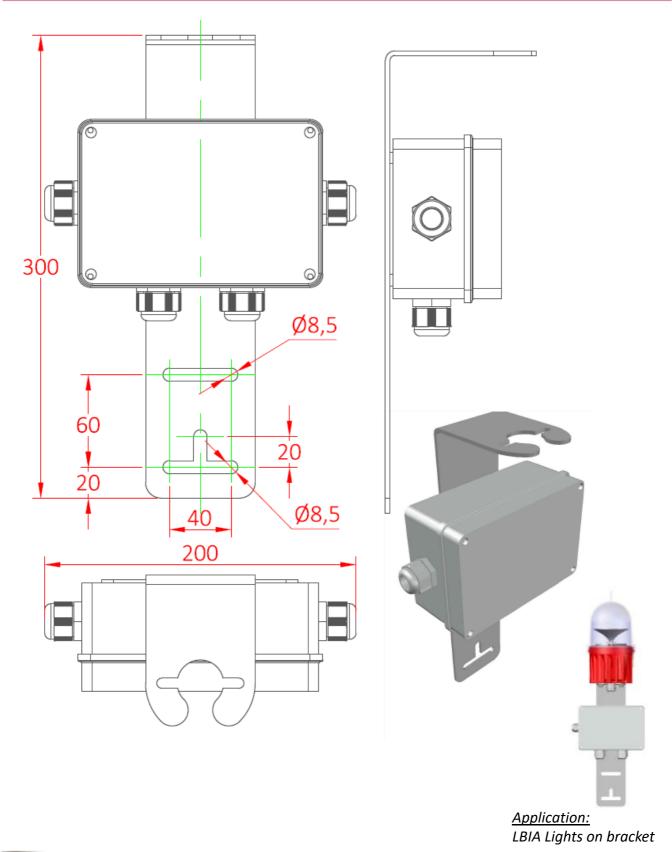


- Stainless steel mounting
- Driving box
- Power supply
- UPS system
- Solar kit





Mounting Bracket Junction Box







Low Intensity LED LBIB TYPE B > 32 Cd - Twiny







Description:

The TWINY is a one block beacon, equipped with the exclusive redundant system. For a safety installation, its automatic test is launched every day. With the LEDs technology, it offers performances in terms of life time (100 000 hours), robustness and consumption

The LBIB TWINY can be solar power supplied for an environmentally friendly system.

The specific design of the box is the most convenient solution on the market for installation: mounting frame is a part of the box and the light position could be adjusted in the suitable position.

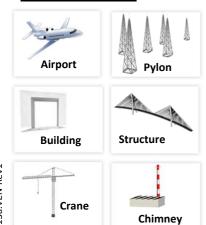
Advantages:

- Long life time > 10 years
- -Multi LEDs
- -Low consumption < 6W
- -Lightning protection
- Delta Box exclusive self-test included with photocell
- -No maintenance
- -2 year warrant
- Zamac box with epoxy powder painting

Regulation:

- OACI, STAC N° 2010A020
- FAA Compliant L-810

Scope of application:



Applications:

Rules concerning aircraft beaconing are established by the ICAO

Low intensity beacons can be installed on structures up to 45 meters.

According to the rules, an uninterruptible power supply cabinet has to be installed to insure a 12 hour beaconing in case of power supply failure.

Model	Voltage	Photocell	Dry contact
LBIBTWCB	48V DC	Included	Included
LBIBTWMB	110-240V AC	Included	Included



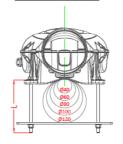


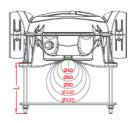
Low Intensity LED LBIB TYPE B > 32 Cd - Twiny

Characteristics

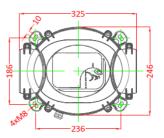
-	
Luminous	
Luminous source	LEDs
Colour	Red
Horizontal beam	360°
Vertical beam	10°
Luminous intensity	>32 Cd
MTBF	100 000 Hours
Electrics	
Voltage	48V DC / 110-240V AC
Lightning protection	Integrated
Functioning temperature	-55°C to +55°C
Consumption	<6 Watts
Current Imax	To 48V : I=110mA
Current iiilax	To 230V : I=25mA
Protection class	IP66
Mechanicals	
Box material	Zamac
Body lamp material	Aluminum
Lens material	Polycarbonate with bird spike
Fixation	M8 screw
Height	477mm
Weight	<8 Kg
Environment	
Humidity	100%
Gel	-60°C
Wind speed	240 Km/h
Certifications	
OACI	Annexe 14, Volume I, Chapter
CE	EN60947-1 CEI60364, NF C15-100 EN60529
Warranty	2 years
Quality	ISO 9001 ; 2008

Dimensions:

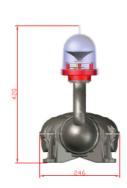




SCREW		
LENGTH		
Ø:	L:	
Ø40	50	
Ø60	70	
Ø80	90	
Ø100	110	
Ø120 130		



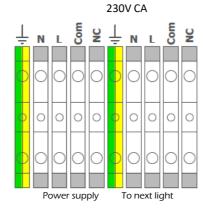


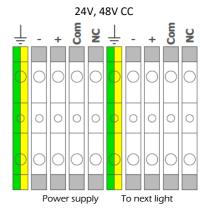


Available accessories for installation

- Power supply
- Safety power supply
- Solar kit

Wiring









Medium Intensity LED LMIA Type A – White Flash



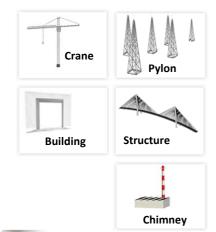




Regulations:

- OACI, STAC N° 2010A022
- CE
- FAA Compliant L865

Scope of application:





The LMIA is a medium intensity light with multi-LEDs technology, developed with an aluminium design for a natural fresh cooling system. Dedicated to a day and night white flash beaconing, it is a long life system (100 000 Hours), very strong with a low consumption (20w up to 90w).

The LMIA is provided with photocell for an automatic switch ON/OFF, and a dry contact for failure alarm.

Moreover, it can be solar power supplied.

It has been designed for an easy installation.

Advantages:

- -Wired synchronization integrated, optical fiber, GPS and TCPIP available
- Long life time > 10 years
- Multi LEDs
- Average consumption < 45W
- Lightning protection
- Automatics test sequence included with photocell
- No maintenance
- 2 year warranty
- Zamac box with epoxy powder painting
- Connection plug IP68, in option

-Applications:

Rules concerning aircraft beaconing are established by the ICAO

Medium intensity lights can be installed on structures up to 150 meters high. Beyond 90 meters, it is necessary to plan several levels of lights.

According to the rules, an uninterruptible power supply cabinet has to be installed to assure a 12 hour beaconing in case of power supply failure.

Models

Model	Voltage	Photocell	Dry contact
LMIA00BB*	48V DC	Not included	Not included
LMIA11BB	48V DC	Included	Included
LMIA00MB*	110-240V AC	Not included	Not included
LMIA11MB	110-240V AC	Included	Included

^{*}To be installed with a safebox or a solar power supply or or GPS $\,$



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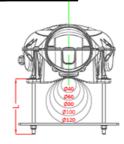


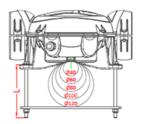
Medium Intensity LED LMIA Type A – White Flash

Characteristics

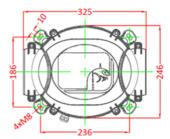
Luminous	
Luminous source	LEDs
Colour	White flash
Horizontal beam	360°
Vertical beam	3°
Lunding and internals.	20 000 Cd Day
Luminous intensity	2 000 Cd Night
Flash frequency	20 to 60 fpm
MTBF	100 000 Hours
Electrics	
Voltage	48V DC / 110-240V AC
Lighting protection	Integrated
Functioning temperature	-55°C to +55°C
Day Consumption max	<40 Watts at 20 fpm
Night Consumption max	<15 Watts at 20 fpm
	To 48V: I=4400mA
Courant Imax	To 230V: I=1000mA
Protection class	IP66
Mechanicals	
Box material	Zamac
Body lamp material	Aluminium
Lens material	Polycarbonate
Mounting	M8 screw
Height	410mm
Width	410mm
Weight	18 Kg
Environment	
Humidity	100%
Gel	-60°C
Wind speed	240 Km/h
Certifications	
	EN60947-1
CE	CEI60364, NF C15-100
	EN60529
OACI	Annexe 14, Volume I, Chapter 6
FAA	Compliant L-865
Quality	ISO 9001 ; 2008
•	Photocell integrated
Options	Dry contact for failure alarm integrated
	. ,

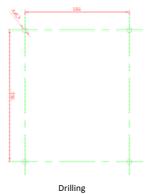
Dimensions:

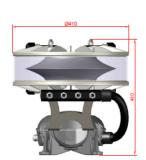




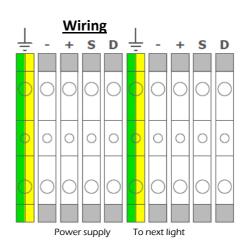
SCREW		
LENGTH		
Ø:	L:	
Ø40	50	
Ø60	70	
Ø80	90	
Ø100	110	
Ø120	130	







- -Power supply
- -UPS system
- Solar kit







Medium Intensity LED LMIB Type B – Red Flash



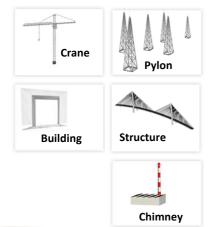




Regulations:

- OACI, STAC N° 2013A045
- CE
- FAA Compliant L864

Scope of application:



Description:

The LMIA is a medium intensity light with multi-LEDs technology, developed with an aluminium design for a natural fresh cooling system. Dedicated to a day and night white flash beaconing, it is a long life system (100 000 Hours), very strong with a low consumption (20w).

The LMIA is provided with photocell for an automatic switch ON/OFF, and a dry contact for failure alarm.

Moreover, it can be solar power supplied.

It has been designed for an easy installation.

Advantages:

- -Wired synchronization integrated, optical fiber, GPS and TCPIP available
- Long life time > 10 years
- Multi LEDs
- Low consumption < 20W
- Lightning protection
- Delta Box exclusive self test included with photocell
- No maintenance
- 2 year warranty
- Zamac box with epoxy powder painting
- Connection plug IP68, in option

-Applications:

Rules concerning aircraft beaconing are established by the ICAO

Medium intensity lights can be installed on structures up to 150 meters high. Beyond 90 meters, it is necessary to plan several levels of lights.

According to the rules, an uninterruptible power supply cabinet has to be installed to assure a 12 hour beaconing in case of power supply failure.

Models

Model	Voltage	Photocell	Dry contact
LMIB00BB*	48V DC	Not included	Not included
LMIB11BB	48V DC	Included	Included
LMIB00MB*	110-240V AC	Not included	Not included
LMIB11MB	110-240V AC	Included	Included

 $^{{}^{*}}$ to installed with Safebox or solar power supply or GPS



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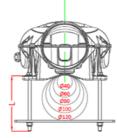


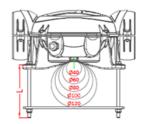
Medium Intensity LED LMIB Type B – Red Flash

Characteristics

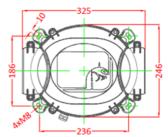
Luminous Luminous source Colour Red flash Horizontal beam 360° Vertical beam 3° Luminous intensity 2 000 Cd Flash frequency 20 to 60 fpm MTBF 100 000 Hours Electrics Voltage 48V DC / 110-240V AC Lightning protection Functioning temperature -55° C to +55° C Medium consumption Current Imax To 48V : 1=1500mA To 48V : 1=1500mA To 230V : 1=350mA Protection class IP66 Mechanicals Box material Body lamp material Lens material Mounting M8 screw Height 365mm Width 410mm Weight 16 Kg Environment Humidity Gel -60° C Wind speed Certifications EN60947-1 CE CE160364, NF C15-100 EN60529 OACI Annexe 14, Volume I, Chapter 6 FAA Quality IDV screet for failure alarm Descriptor alarm Descriptor of pailure alarm Descriptor of failure ala		
Colour Red flash Horizontal beam 360° Vertical beam 3° Luminous intensity 2 000 Cd Flash frequency 20 to 60 fpm MTBF 100 000 Hours Electrics Voltage 48V DC / 110-240V AC Lightning protection Integrated Functioning temperature -55°C to +55°C Medium consumption -15 Watts to 20 fpm To 48V: I=1500mA To 230V: I=350mA Protection class IP66 Mechanicals Box material Zamac Body lamp material Aluminium Lens material Polycarbonate Mounting M8 screw Height 365mm Width 410mm Weight 16 Kg Environment Humidity 100% Gel -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CEI60364, NF C15-100 EN60529 OACI Annexe 14, Volume I, Chapter 6 FAA Compliant L-864 Quality ISO 9001; 2008 Warranty 2 years Photocell	Luminous	
Horizontal beam Vertical beam Vertical beam Uminous intensity 2 000 Cd Flash frequency 20 to 60 fpm MTBF 100 000 Hours Electrics Voltage 48V DC / 110-240V AC Lightning protection Functioning temperature Functioning temperature Medium consumption Current Imax To 230V: I=1500mA To 230V: I=350mA Protection class IP66 Mechanicals Box material Body lamp material Lens material Polycarbonate Mounting M8 screw Height Width 410mm Weight 16 Kg Environment Humidity Gel -60°C Wind speed 240 Km/h Certifications EN60947-1 CE EN60529 OACI Annexe 14, Volume I, Chapter 6 FAA Quality ISO 9001; 2008 Warranty Photocell	Luminous source	LEDs
Vertical beam 3° Luminous intensity 2 000 Cd Flash frequency 20 to 60 fpm MTBF 100 000 Hours Electrics Voltage Voltage 48V DC / 110-240V AC Lightning protection Integrated Functioning temperature -55°C to +55°C Medium consumption <15 Watts to 20 fpm	Colour	Red flash
Luminous intensity 2 000 Cd Flash frequency 20 to 60 fpm MTBF 100 000 Hours Electrics Voltage 48V DC / 110-240V AC Lightning protection Integrated Functioning temperature -55°C to +55°C Medium consumption <15 Watts to 20 fpm To 48V : I=1500mA To 230V : I=350mA Protection class IP66 Mechanicals Box material Zamac Body lamp material Aluminium Lens material Polycarbonate Mounting M8 screw Height 365mm Width 410mm Weight 16 Kg Environment Humidity 100% Gel -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CEI60364, NF C15-100 EN60529 OACI Annexe 14, Volume I, Chapter 6 FAA Compliant L-864 Quality ISO 9001 ; 2008 Warranty 2 years Photocell	Horizontal beam	360°
Flash frequency MTBF 100 000 Hours Electrics Voltage Lightning protection Functioning temperature Flash with the protection current Imax Protection class Box material Body lamp material Lens material Mounting Height Width Weight Humidity Gel Fel Wind speed OACI Annexe 14, Volume I, Chapter 6 FAA Quality Polycars Photocell Los Mondows Los 000 Hours 100 48V I 101-240V AC Integrated 101-240V AC Integrated 101-240V AC Integrated 102 40 Km /s 102 30V : I=350mA 102 40 Km/h 103 40V : I=350mA 103 40V : I=350mA 104 40V : I=350mA 105 40V : I=350mA 106 40V : I=350mA 107 48V : I=1500mA 108 30V : I=350mA 109 40V : I=350	Vertical beam	3°
MTBF100 000 HoursElectricsVoltage48V DC / 110-240V ACLightning protectionIntegratedFunctioning temperature-55°C to +55°CMedium consumption<15 Watts to 20 fpmCurrent ImaxTo 48V: I=1500mAProtection classIP66MechanicalsIP66Box materialZamacBody lamp materialAluminiumLens materialPolycarbonateMountingM8 screwHeight365mmWidth410mmWeight16 KgEnvironmentIndividual speedUmid speed240 Km/hCetificationsEN60947-1CECE160364, NF C15-100 EN60529OACIAnnexe 14, Volume I, Chapter 6FAACompliant L-864QualityISO 9001; 2008Warranty2 yearsPhotocell	Luminous intensity	2 000 Cd
Electrics Voltage Lightning protection Functioning temperature Functioning temperature Functioning temperature Medium consumption Current Imax To 48V: l=1500mA To 230V: l=350mA Protection class IP66 Mechanicals Box material Body lamp material Lens material Lens material Mounting M8 screw Height M6th Width M9th M10mm Weight M16 Kg Environment Humidity Gel	Flash frequency	20 to 60 fpm
Voltage Lightning protection Integrated Functioning temperature Functioning temperature Medium consumption Current Imax To 48V : =1500mA To 230V : =350mA Protection class IP66 Mechanicals Box material Body lamp material Lens material Lens material Mounting M8 screw Height M6th Width M70 M8 Screw Height M6th M6th M6th M70 M8th M70 M8th M70 M8th M70 M8th M70 M8th M70	MTBF	100 000 Hours
Lightning protection Functioning temperature Functioning Functioni	Electrics	
Functioning temperature Medium consumption Current Imax Protection class Mechanicals Box material Body lamp material Lens material Mounting Height Width Weight Environment Humidity Gel Certifications EN60947-1 CE CE CE CACI Annexe 14, Volume I, Chapter 6 FAA Quality Potosons IP66 Satusts to 20 fpm To 48V: I=1500mA To 230V: I=350mA IP66 Mascrew Aluminium Polycarbonate Aluminium Mascrew Holycarbonate Aluminium Mascrew Holycarbonate Now Mascrew Holycarbonate Now Alumm Mascrew Holycarbonate Now Aluminium Lens material Polycarbonate Now Aluminium Lens material Polycarbonate Now Aluminium Lens material Polycarbonate Noscrew Holycarbonate Aluminium Lens material Polycarbonate Aluminium Lens material Aluminium Lens material Polycarbonate Aluminium Lens material Polycarbonate Aluminium Lens material Polycarbonate Aluminium Lens material Aluminium Lens material Polycarbonate Aluminium Lens material Polycarbonate Aluminium Lens material Polycarbonate Aluminium Lens material Polycarbonate Aluminium Aluminium Lens material Polycarbonate Aluminium Aluminium Aluminium Lens material Polycarbonate Aluminium Aluminium Lens material Polycarbonate Aluminium Aluminium Lens material Aluminium Aluminium Aluminium Aluminium Aluminium Aluminium Aluminium Aluminium Aluminium Alumini	Voltage	48V DC / 110-240V AC
Medium consumption <15 Watts to 20 fpm To 48V: I=1500mA To 230V: I=350mA Protection class IP66 Mechanicals Box material Zamac Body lamp material Aluminium Lens material Polycarbonate Mounting M8 screw Height 365mm Width 410mm Weight 16 Kg Environment Humidity 100% Gel -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CEI60364, NF C15-100 EN60529 OACI Annexe 14, Volume I, Chapter 6 FAA Compliant L-864 Quality ISO 9001; 2008 Warranty 2 years Photocell	Lightning protection	Integrated
Medium consumption <15 Watts to 20 fpm To 48V: I=1500mA To 230V: I=350mA Protection class IP66 Mechanicals Box material Zamac Body lamp material Aluminium Lens material Polycarbonate Mounting M8 screw Height 365mm Width 410mm Weight 16 Kg Environment Humidity 100% Gel -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CEI60364, NF C15-100 EN60529 OACI Annexe 14, Volume I, Chapter 6 FAA Compliant L-864 Quality ISO 9001; 2008 Warranty 2 years Photocell	Functioning temperature	-55°C to +55°C
Current Imax To 230V : I=350mA Protection class IP66 Mechanicals Zamac Body lamp material Aluminium Lens material Polycarbonate Mounting M8 screw Height 365mm Width 410mm Weight 16 Kg Environment Humidity Gel -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CEI60364, NF C15-100 EN60529 Annexe 14, Volume I, Chapter 6 FAA Compliant L-864 Quality ISO 9001; 2008 Warranty 2 years Photocell	Medium consumption	<15 Watts to 20 fpm
To 230V: I=350mA Protection class Mechanicals Box material Body lamp material Lens material Mounting Height Width Weight Environment Humidity Gel Certifications EN60947-1 CE CE CE CACI Annexe 14, Volume I, Chapter 6 FAA Quality Fotions IZamac Aluminium Polycarbonate M8 screw 4luminium 4lumm M8 screw 410mm 410mm Weight 16 Kg Environment EN60947-1 CEI60364, NF C15-100 EN60529 Annexe 14, Volume I, Chapter 6 FAA Quality ISO 9001; 2008 Warranty Photocell	6	To 48V : I=1500mA
Mechanicals Zamac Box material Aluminium Lens material Polycarbonate Mounting M8 screw Height 365mm Width 410mm Weight 16 Kg Environment Humidity Humidity 100% Gel -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CEI60364, NF C15-100 EN60529 Annexe 14, Volume I, Chapter 6 FAA Compliant L-864 Quality ISO 9001; 2008 Warranty 2 years Photocell	Current imax	To 230V : I=350mA
Sox material Zamac Body lamp material Aluminium Lens material Polycarbonate Mounting M8 screw Height 365mm Width 410mm Meight 16 Kg Environment Humidity 100% Gel -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CEI60364, NF C15-100 EN60529 CACI Annexe 14, Volume I, Chapter 6 FAA Compliant L-864 Quality ISO 9001; 2008 Warranty 2 years Photocell Photocell Polycarbonate Photocell Polycarbonate	Protection class	IP66
Body lamp material Lens material Polycarbonate Mounting M8 screw Height 365mm Width 410mm Weight 16 Kg Environment Humidity Gel -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CE CEI60364, NF C15-100 EN60529 OACI Annexe 14, Volume I, Chapter 6 FAA Quality ISO 9001; 2008 Warranty Photocell	Mechanicals	
Lens material Polycarbonate Mounting M8 screw Height 365mm Width 410mm Weight 16 Kg Environment Humidity Humidity 100% Gel -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CEI60364, NF C15-100 EN60529 Annexe 14, Volume I, Chapter 6 FAA Compliant L-864 Quality ISO 9001; 2008 Warranty 2 years Photocell	Box material	Zamac
Mounting M8 screw Height 365mm Width 410mm Weight 16 Kg Environment 100% Humidity 100% Gel -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CEI60364, NF C15-100 EN60529 Annexe 14, Volume I, Chapter 6 FAA Compliant L-864 Quality ISO 9001; 2008 Warranty 2 years Photocell	Body lamp material	Aluminium
Height 365mm Width 410mm Weight 16 kg	Lens material	Polycarbonate
Width 410mm Weight 16 Kg Environment Humidity 100% Gel -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CEI60364, NF C15-100 EN60529 OACI Annexe 14, Volume I, Chapter 6 FAA Compliant L-864 Quality ISO 9001; 2008 Warranty 2 years Photocell	Mounting	M8 screw
Weight 16 Kg Environment 100% Gel -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CEI60364, NF C15-100 EN60529 Annexe 14, Volume I, Chapter 6 FAA Compliant L-864 Quality ISO 9001; 2008 Warranty 2 years Photocell	Height	365mm
Environment 100% Gel -60°C Wind speed 240 km/h Certifications EN60947-1 CE CEI60364, NF C15-100 EN60529 Annexe 14, Volume I, Chapter 6 FAA Compliant L-864 Quality ISO 9001; 2008 Warranty 2 years Photocell	Width	410mm
Humidity	Weight	16 Kg
Gel -60°C Wind speed 240 km/h Certifications EN60947-1 CE CEI60364, NF C15-100 EN60529 Annexe 14, Volume I, Chapter 6 FAA Compliant L-864 Quality ISO 9001; 2008 Warranty 2 years Photocell	Environment	
Wind speed 240 km/h Certifications EN60947-1 CE CEI60364, NF C15-100 EN60529 Annexe 14, Volume I, Chapter 6 FAA Compliant L-864 Quality ISO 9001; 2008 Warranty 2 years Photocell	Humidity	100%
Certifications EN60947-1 CE CEI60364, NF C15-100 EN60529 Annexe 14, Volume I, Chapter 6 FAA Compliant L-864 Quality ISO 9001; 2008 Warranty 2 years Photocell	Gel	-60°C
EN60947-1 CE CEI60364, NF C15-100 EN60529 OACI Annexe 14, Volume I, Chapter 6 FAA Compliant L-864 Quality ISO 9001; 2008 Warranty 2 years Photocell	Wind speed	240 Km/h
CE CEI60364, NF C15-100 EN60529 EN60529 OACI Annexe 14, Volume I, Chapter 6 FAA Compliant L-864 Quality ISO 9001; 2008 Warranty 2 years Photocell	Certifications	
Dations EN60529 Annexe 14, Volume I, Chapter 6 Compliant L-864 Quality ISO 9001; 2008 Photocell		EN60947-1
OACI Annexe 14, Volume I, Chapter 6 FAA Compliant L-864 Quality ISO 9001; 2008 Warranty 2 years Photocell	CE	CEI60364, NF C15-100
FAA Compliant L-864 Quality ISO 9001 ; 2008 Warranty 2 years Photocell		EN60529
Quality ISO 9001; 2008 Warranty 2 years Photocell	OACI	Annexe 14, Volume I, Chapter 6
Quality ISO 9001; 2008 Warranty 2 years Photocell	FAA	Compliant I-864
Warranty 2 years Photocell		•
Ontions		
Ontions		
	Options	Dry contact for failure alarm

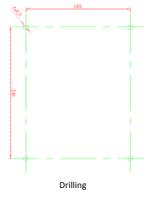
<u>Dimensions</u>:





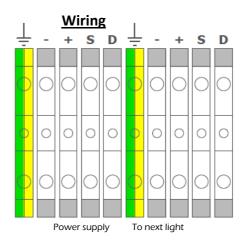
SCREW		
LENGTH		
Ø:	L:	
Ø40	50	
Ø60	70	
Ø80	90	
Ø100	110	
Ø120	130	







- -Power supply
- -UPS system
- Solar kit







Medium Intensity LED LMIC Type C – Red Steady



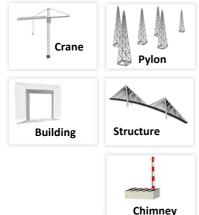




Regulations:

- OACI, STAC N° 2013A045
- CE
- FAA Compliant L-864

Scope of application:



Description:

The LMIC is a medium intensity light with multi-LEDs technology, developed with an aluminium design for a natural fresh cooling system. Dedicated to a day and night red flash beaconing, it is a long life system (100 000 Hours), very strong with a low consumption

The LMIC is provided with photocell for an automatic switch ON/OFF, and a dry contact for failure alarm.

Moreover, it can be solar power supplied.

It has been designed for an easy installation.

Advantages:

- -Wired synchronization integrated, optical fiber, GPS and TCPIP available
- Long life time > 10 years
- Multi LEDs
- Low consumption < 50W
- Lightning protection
- Delta Box exclusive self test included with photocell
- No maintenance
- 2 year warranty
- Zamac box with epoxy powder painting
- Connection plug IP68, in option

-Applications:

Rules concerning aircraft beaconing are established by the ICAO

Medium intensity lights can be installed on structures up to 150 meters high. Beyond 90 meters, it is necessary to plan several levels of lights.

According to the rules, an uninterruptible power supply cabinet has to be installed to assure a 12 hour beaconing in case of power supply failure.

Model	Voltage	Photocell	Dry contact
LMIC00BB*	48V DC	Not included	Not included
LMIC11BB	48V DC	Included	Included
LMIC00MB*	110-240V AC	Not included	Not included
LMIC11MB	110-240V AC	Included	Included

^{*}to installed with Safebox or solar power supply or GPS



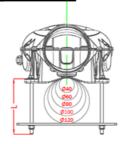


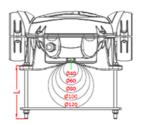
Medium Intensity LED LMIC Type C – Red Steady

Characteristics

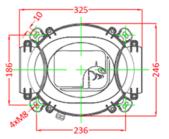
Luminous		
Luminous source	LEDs	
Colour	Red steady burning	
Horizontal beam	360°	
Vertical beam	3°	
Luminous intensity	2 000 Cd	
MTBF	100 000 Hours	
Electrics		
Voltage	48V DC / 110-240V AC	
Lightning protection	Integrated	
Functioning temperature	-55°C to +55°C	
Medium consumption	<50 Watts	
C	To 48V : l=1500mA	
Current Imax	To 230V : I<350mA	
Protection class	IP66	
Mechanicals		
Body material	Zamac	
Body lamp material	Aluminium	
Lens material	Polycarbonate	
Mounting	M8 screw	
Height	365mm	
Width	410mm	
Weight	16 Kg	
Environment		
Humidity	100%	
Gel	-60°C	
Wind speed	240 Km/h	
Certifications		
	EN60947-1	
CE	CEI60364, NF C15-100	
	EN60529	
	Annexe 14, Volume I, Chapter	
OACI	6	
FAA	Compliant L-864	
Quality	ISO 9001 ; 2008	
Warranty	2 years	
	Photocell	
Options	Dry contact for failure alarm	
	,	

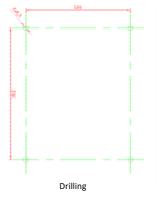
Dimensions:

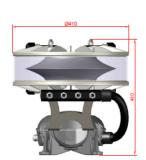




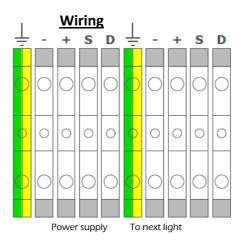
SCREW		
LENGTH		
Ø:	L:	
Ø40	50	
Ø60 70		
Ø80 90		
Ø100	110	
Ø120	130	







- -Power supply
- -UPS system
- Solar kit







Medium Intensity LED LMIAB Type A&B - White Flash and Red Flash



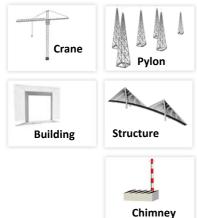




Regulations:

- OACI, STAC N° 2013A045
- FAA Compliant L-864 /L-865

Scope of application:



Description:

The LMIAB is a medium intensity light with multi-LEDs technology, developed with an aluminium design for a natural fresh cooling system. Dedicated to a day white flash and night red beaconing, it is a long life system (100 000 Hours), very strong with a low consumption (90w).

Photocell and dry contact can be provided either in the light or deported in a system of control (Safety power supply, control panel).

Moreover, it can be solar power supplied.

It has been designed for an easy installation.

Advantages:

- -Wired synchronization integrated, optical fiber, GPS and TCPIP available
- Long life time > 10 years
- Multi LEDs
- Low consumption < 90W
- Lightning protection
- Delta Box exclusive self test included with photocell
- No maintenance
- 2 year warranty
- Zamac box with epoxy powder painting
- Connection plug IP68, in option

Applications:

Rules concerning aircraft beaconing are established by the ICAO

Medium intensity lights can be installed on structures up to 150 meters high. Beyond 90 meters, it is necessary to plan several levels of lights.

According to the rules, an uninterruptible power supply cabinet has to be installed to assure a 12 hour beaconing in case of power supply failure.

Model	Voltage	Photocell	Dry contact
LMIAB00BB*	48V DC	Not included	Not included
LMIAB11BB	48V DC	Included	Included
LMIAB00MB*	110-240V AC	Not included	Not included
LMIAB11MB	110-240V AC	Included	Included

^{*}to installed with Safebox or solar power supply or GPS





Medium Intensity LED LMIAB Type A&B – White Flash and Red Flash

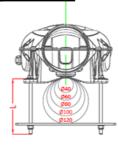
Characteristics

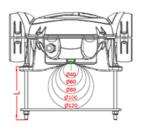
Luminous	
Luminous source	LEDs
Colour	White flash (Day)
Colour	Red flash (Night)
Horizontal beam	360°
Vertical beam	3°
	20 000 Cd (Day, white)
Luminous intensity	2 000 Cd (Night, red)
Flash frequency	20 to 60 fpm
MTBF	100 000 Hours
Electrics	
Voltage	48V DC / 110-240V AC
Lightning protection	Integrated
Functioning temperature	-55°C to +55°C
Day Max Consumption	<40 Watts @ 40 fpm
Night Max Consumption	<15 Watts @ 40 fpm
Tight wax consumption	To 48V : I=4400mA
Current Imax (day mode)	To 230V : I=1000mA
	To 48V : I=1500mA
Current Imax (night mode)	To 230V : I=350mA
Dratastian alass	IP66
Protection class Mechanicals	IPOB
Box material	70,000
	Zamac Aluminium
Body lamp material	Polycarbonate
Lens material	1 '
Mounting	M8 screw 410mm
Height Width	410mm
	1-2
Weight	18 Kg
Environment	4000/
Humidity	100%
Gel	-60°C
Wind speed	240 Km/h
Certifications	FNC0047.4
	EN60947-1
CE	CEI60364, NF C15-100
	EN60529
ICAO	Annexe 14, Volume I, Chapter 6
FAA	Compliant L-865 / L-864
Quality	ISO 9001 ; 2008
Warranty	2 years
Ontions	Photocell
Options	Dry contact for failure alarm

Available accessories for installation

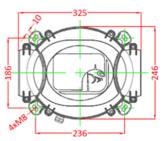
- -Power supply
- -UPS system
- Solar kit

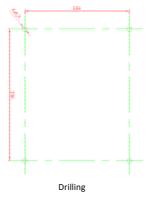
Dimensions:



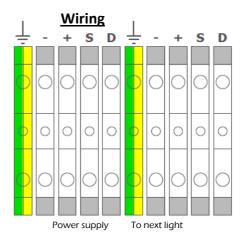


SCREW LENGTH		
Ø:	L:	
Ø40	50	
Ø60	70	
Ø80	90	
Ø100	110	
Ø120 130		













Medium Intensity LED - LMIAC Type A&C - White Flash and night Steady Red beconing



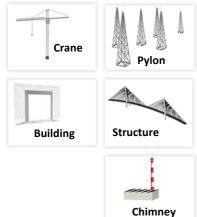




Regulations:

- OACI, STAC N° 2010A022/2013A045
- CF
- FAA Compliant L864/L-865

Scope of application:



Description:

The LMIAC is a medium intensity light with multi-LEDs technology. Dedicated to a day and night white flash beaconing, it is a long life system (100 000 Hours), very strong with a low consumption (90w).

Photocell and dry contact can be provided either in the light or deported in a system of control (Safety power supply, control panel).

Moreover, it can be solar power supplied.

It has been designed for an easy installation.

Advantages:

- -Wired synchronization integrated, optical fiber, GPS and TCPIP available
- Long life time > 10 years
- Multi LEDs
- Low consumption < 90W
- Lightning protection
- Delta Box exclusive self test included with photocell
- No maintenance
- 2 years warranty
- Zamac box with epoxy powder painting
- Connection plug IP68, in option

Applications:

Rules concerning aircraft beaconing are established by the ICAO

Medium intensity lights can be installed on structures up to 150 meters high. Beyond 90 meters, it is necessary to plan several levels of lights.

According to the rules, an uninterruptible power supply cabinet has to be installed to assure a 12 hour beaconing in case of power supply failure.

Model	Voltage	Photocell	Dry contact
LMIAC00BB*	48V DC	Not included	Not included
LMIAC11BB	48V DC	Included	Included
LMIAC00MB*	110-240V AC	Not included	Not included
LMIAC11MB	110-240V AC	Included	Included

^{*}to installed with Safebox or solar power supply or GPS





Medium Intensity LED - LMIAC Type A&C - White Flash and night Steady Red beconing

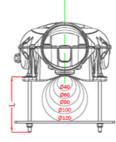
Characteristics

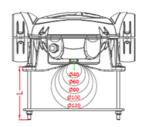
	1	
Luminous		
Luminous source	LEDs	
Colour	White flash (Day)	
Coloui	Red flash (Night)	
Horizontal beam	360°	
Vertical beam	3°	
Luminous intensity	20 000 Cd (Day, white)	
51 1 6	2 000 Cd (Night, red)	
Flash frequency	20 to 60 fpm	
MTBF	100 000 Hours	
Electrics		
Voltage	48V DC / 110-240V AC	
Lightning protection	Integrated	
Functioning temperature	-55°C to +55°C	
Consumption	<50 Watts @ 20 fpm	
Current Imax (day mode)	To 48V : I=4400mA	
current imax (day mode)	To 230V : l=1000mA	
Current Imay (night made)	To 48V : l=1400mA	
Current Imax (night mode)	To 230V : I=350mA	
Protection class	IP66	
Mechanicals		
Box material	Zamac	
Body lamp material	Aluminium	
Lens material	Polycarbonate	
Mounting	M8 screw	
Height	410mm	
Width	410mm	
Weight	18 Kg	
Environment		
Humidity	100%	
Gel	-60°C	
Wind speed	240 Km/h	
Certifications		
	EN60947-1	
CE	CEI60364, NF C15-100	
	EN60529	
ICAO	Annexe 14, Volume I, Chapter 6	
FAA	Compliant L-865 / L-864	
Quality	ISO 9001 ; 2008	
Warranty	2 years	
	Photocell	
Options	Dry contact for failure alarm	
	In a contact for failure agains	

^{*}as per installation conditions

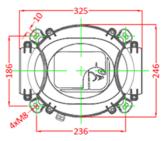
- -Power supply
- -UPS system
- Solar kit

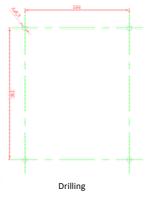




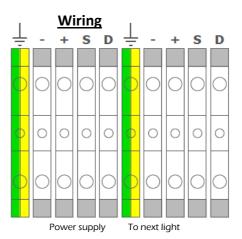


SCREW		
LENGTH		
Ø:	L:	
Ø40	50	
Ø60	70	
Ø80	90	
Ø100	110	
Ø120	130	













Low Intensity LED SOLBIA Type A > 10 Cd - Solar

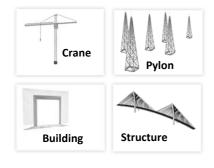






Regulations:

- OACI, STAC N° 2010A012
- CE
- Scope of application:



Description:

The SOLBIA is an environmentally friendly system.

Dedicated to an autonomous night beaconing, it is long life system (100 000 Hours), more than 80 hour autonomy system.

The SOLBIA is also available with a 110-240V input as back-up power supply.

The SOLBIA is provided with photocell for an automatic switch ON/OFF and a dry contact for failure alarm.

The specific design of the box is the most convenient solution on the market for installation: mounting frame is a part of the box and it could be adjusted in horizontal or vertical position.

Advantages:

- Long life time > 10 years
- -Multi LEDs
- -Independant
- -Lightning protection
- Delta Box exclusive self-test included with photocell
- -Power saving
- -2 years warrant
- Zamac box with epoxy powder painting

-Applications:

Rules concerning aircraft beaconing are established by the ICAO Low intensity beacons can be installed on structures up to 45 meters.

The SOLBIA gives security to every sites, even the most isolated.

Model	Voltage	Photocell	Dry contact
SOLBIA 10C	Solar	Included	Not Included
SOLBIA11C	Solar	Included	Included





Low Intensity LED SOLBIA Type A > 10 Cd - Solar

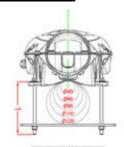
Characteristics

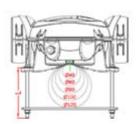
Luminous	
Luminous source LEDs	
Colour Red	
Horizontal beam 360°	
Vertical beam 10°	
Luminous intensity >10 Cd	
MTBF 100 000 Hours	
Electrics	
Voltage Solar	
Lightning protection Integrated	
Functioning temperature -55°C to +55°C	
Solar panel 10 Watts Polycristallin	
Waterproof lead gel	
Battery 12V 7Ah x 2	
Autonomy 120 Hours	
Protection class IP66	
Mechanicals	
Box material Zamac	
Body lamp material Composite	
Lens material Polycarbonate with bird spik	e
Mounting M8 screw	
Height 425mm	
Weight <10 Kg	
Solar panel dimensions 300mm x 385mm	
Environment	
Humidity 100%	
Frost -60°C	
Wind speed 240 Km/h	
Certifications	
EN60947-1	
CE CEI60364, NF C15-100	
EN60529	
Annexe 14, Volume I, Chapte	er
ICAO 6	
Quality ISO 9001; 2008	
Warranty 2years	

Available accessories for installation

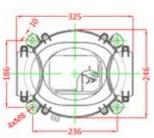
-Specific stainless steel mounting

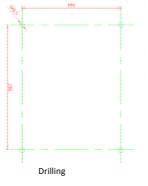
Dimensions:





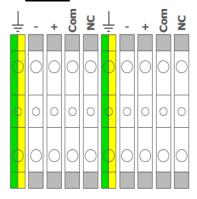
Length of screw		
Ø:	L:	
Ø40	50	
Ø60	70	
Ø80	90	
Ø100	110	
Ø120	130	







Wiring



Power supply

To next light





Low Intensity LED SOLBIA Type A > 10 Cd — Solar TWINY



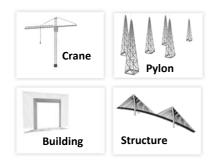




Regulations:

- OACI, STAC N° 2010A012
- CE

Scope of application:



Description:

Le SOLBIA TWINY is an environmentally friendly system, equipped with the exclusive redundant system.

For security installation, its automatic test is launched every day. Dedicated to an autonomous night beaconing, it is long life system (100 000 hours), more than 80 hour autonomy system.

The SOLBIA TWINY is also available with a 110-240V input as back-up power supply.

Le SOLBIA TWINY is provided with photocell for an automatic switch ON/OFF and a dry contact for failure alarm.

The specific design of the box is the most convenient solution on the market for installation: mounting frame is a part of the box and it could be adjusted in vertical or horizontal position.

Advantages:

- Long life time > 10 years
- -Multi LEDs
- -Independant
- -Lightning protection
- Delta Box exclusive self-test included with photocell
- -Power saving
- -2 years warrant
- Zamac box with epoxy powder painting

-Applications:

Rules concerning aircraft beaconing are established by the ICAO

Low intensity beacons can be installed on structures up to 45 meters hight.

The SOLEO gives security to every sites, even the most isolated.

Model	Voltage	Photocell	Dry contact
SOLBIATW	Solar	Included	Included





Low Intensity LED SOLBIA Type A > 10 Cd — Solar TWINY

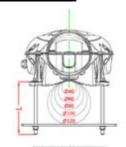
Characteristics

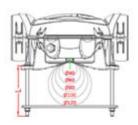
Luminous	
Luminous source	LEDs
Colour	Red
Horizontal beam	360°
Vertical beam	10°
	>10 Cd
Luminous intensity MTBF	100 000 Hours
Electrics	100 000 Hours
Voltage	Solar
<u> </u>	Integrated
Lightning protection Functioning temperature	-55°C to +55°C
Solar panel	10 Watts Polycristallin
Solai pallei	Waterproof lead gel
Battery	12V 7Ah x 2
Autonomy	120 Hours
Autonomy Protection class	IP66
Mechanicals	11-00
Box material	Zamac
Body lamp material	Composite
Body lamp material	Composite
Lens material	Polycarbonate with bird spike
Mounting	M8 screw
Height	425mm
Weight	<11 Kg
Solar panel dimensions	300mm x 385mm
Environment	
Humidity	100%
Frost	-60°C
Wind speed	240 Km/h
Certifications	
	EN60947-1
CE	CEI60364, NF C15-100
	EN60529
ICAO	Annexe 14, Volume I, Chapter
icho	6
Quality	ISO 9001 ; 2008
Warranty	2years

Available accessories for installation

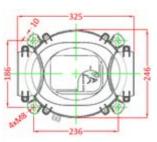
-Specific stainless steel mounting

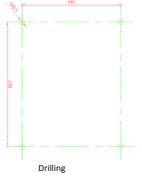
Dimensions:

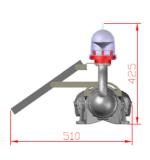




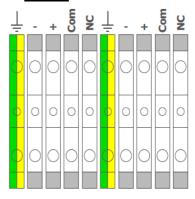
Length of screw		
Ø:	L:	
Ø40	50	
Ø60	70	
Ø80	90	
Ø100	110	
Ø120	130	







Wiring



Power supply

To next light





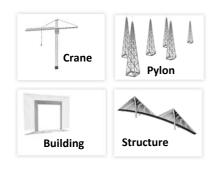
Low Intensity LED SOLBIB Type B > 32 Cd - Solar



Regulations:

- OACI, STAC N° 2010A020
- CE
- FAA Compliant L810

Scope of application:



Description:

The SOLBIB is an environmentally friendly system.

Dedicated to an autonomous night beaconing, it is long life system (100 000 Hours), more than 40 hour autonomy system.

The SOLBIB is also available with a 110-240V input as back-up power supply.

The SOLBIB is provided with photocell for an automatic switch ON/OFF and a dry contact for failure alarm.

The specific design of the box is the most convenient solution on the market for installation: mounting frame is a part of the box and it could be adjusted vertical or horizontal position

Advantages:

- Long life time > 10 years
- -Multi LEDs
- -Independant
- -Lightning protection
- Delta Box exclusive self-test included with photocell
- -Power saving
- -2 year warrant
- Zamac box with epoxy powder painting

Applications:

Rules concerning aircraft beaconing are established by the ICAO

Low intensity beacons can be installed on structures up to 45 meters.

The SOLEO gives security to every sites, even the most isolated.

Mod	el	Voltage	Photocell	Dry contact
SOLBIE	310C	Solar	Included	Not Included
SOLBIE	310C	Solar	Included	Not Included





Low Intensity LED SOLBIB Type B > 32 Cd – Solar

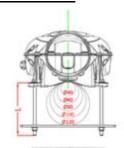
Characteristics

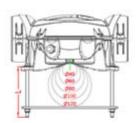
Luminous Luminous source Colour Red Horizontal beam 360° Vertical beam 10° Luminous intensity >32 Cd MTBF 100 000 Hours Electrics Voltage Solar Lightning protection Functioning temperature -55°C to +55°C Solar panel 1*10 Watts Polycristallin Waterproof lead gel 12V 7Ah x 2 Autonomy Frotection class Wechanicals Box material Body lamp material Lens material Mounting M8 screw Height Weight 425mm Weight Solar panel dimensions Environment Humidity Gel Wind speed 240 Km/h Certifications EN60947-1 CE CE160364, NF C15-100 EN60529 ICAO Quality Warranty Solar 9001; 2008 Warranty LEDs Add LEDs Red Hed How How Height How Height How Height How How Height How How Height How How Height How		Г	
Colour Red Horizontal beam 360° Vertical beam 10° Luminous intensity >32 Cd MTBF 100 000 Hours Electrics Voltage Solar Lightning protection Integrated Functioning temperature -55°C to +55°C Solar panel 1*10 Watts Polycristallin Waterproof lead gel 12V 7Ah x 2 Autonomy 60 Hours Protection class IP66 Mechanicals Box material Zamac Body lamp material Aluminum Lens material Polycarbonate with bird spike Mounting M8 screw Height 425mm Weight Solar panel dimensions 300mm x 385mm Environment Humidity 100% Gel -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CE160364, NF C15-100 EN60529 ICAO Quality ISO 9001; 2008			
Horizontal beam 10° Vertical beam 10° Luminous intensity >32 Cd MTBF 100 000 Hours Electrics Voltage Solar Lightning protection Integrated Functioning temperature -55°C to +55°C Solar panel 1*10 Watts Polycristallin Battery 60 Hours Protection class IP66 Mechanicals Box material Zamac Body lamp material Aluminum Lens material Polycarbonate with bird spike Mounting M8 screw Height 425mm Weight <15 Kg Solar panel dimensions 300mm x 385mm Environment Humidity 100% Gel -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CE160364, NF C15-100 EN60529 Annexe 14, Volume I, Chapter 6 Quality ISO 9001; 2008			
Vertical beam Luminous intensity NTBF 100 000 Hours Electrics Voltage Lightning protection Functioning temperature Solar panel Battery Autonomy Frotection class Box material Body lamp material Lens material Mounting Meight Meight Meight Meight Metanicons Environment Humidity Gel Wind speed Certifications Lightning protection Lintegrated Fool Hours Fore C +55°C Mattery Autonomy Fore +55°C Mattery Materproof lead gel 12V 7Ah x 2 Autonomy Fore Hours Materproof lead gel 12V 7Ah x 2 Autonomy Fore Hours Material Aluminum Polycarbonate with bird spike Mounting Material	Colour	Red	
Luminous intensity >32 Cd MTBF 100 000 Hours Electrics Voltage Solar Lightning protection Integrated Functioning temperature -55°C to +55°C Solar panel 1*10 Watts Polycristallin Waterproof lead gel 12V 7Ah x 2 Autonomy 60 Hours Protection class IP66 Mechanicals Box material Zamac Body lamp material Aluminum Lens material Polycarbonate with bird spike Mounting M8 screw Height 425mm Weight <15 Kg Solar panel dimensions 300mm x 385mm Environment Humidity 100% Gel -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CE160364, NF C15-100 EN60529 Annexe 14, Volume I, Chapter 6 Quality ISO 9001; 2008	Horizontal beam	360°	
MTBF100 000 HoursElectricsSolarUightning protectionIntegratedFunctioning temperature-55°C to +55°CSolar panel1*10 Watts PolycristallinBatteryWaterproof lead gel 12V 7Ah x 2Autonomy60 HoursProtection classIP66MechanicalsBox materialBody lamp materialAluminumLens materialPolycarbonate with bird spikeMountingM8 screwHeight425mmWeight<15 KgSolar panel dimensions300mm x 385mmEnvironmentInvironmentHumidity100%Gel-60°CWind speed240 Km/hCertificationsEN60947-1CECE160364, NF C15-100 EN60529ICAOAnnexe 14, Volume I, Chapter 6QualityISO 9001; 2008	Vertical beam	10°	
Electrics Voltage Lightning protection Functioning temperature Solar panel Battery Solar panel Battery Autonomy Protection class Protection class Box material Body lamp material Lens material Mounting Height Weight Solar panel dimensions Environment Humidity Gel Certifications Value (Solar panel) Integrated Integrate	Luminous intensity	>32 Cd	
Voltage Lightning protection Functioning temperature Solar panel Battery Solar panel Battery Solar panel Battery Solar panel dimensions Solar panel dimensions Solar panel So	MTBF	100 000 Hours	
Lightning protection Functioning temperature Solar panel Battery Autonomy Protection class Box material Body lamp material Lens material Mounting Height Weight Solar panel dimensions Environment Humidity Gel Certifications Lightning protection Lightning protection class Integrated 1*10 Watts Polycristallin Waterproof lead gel 12V 7Ah x 2 Autonomy 60 Hours IP66 Mechanicals Box material Aluminum Polycarbonate with bird spike Mounting M8 screw 425mm 425mm 425mm Weight 50lar panel dimensions 300mm x 385mm Environment Humidity 100% Gel -60°C Wind speed 240 Km/h Certifications EN60947-1 CEI60364, NF C15-100 EN60529 Annexe 14, Volume I, Chapter 6 Quality ISO 9001; 2008	Electrics		
Functioning temperature Solar panel Battery Autonomy Protection class Box material Body lamp material Lens material Mounting Height Weight Solar panel dimensions Environment Humidity Gel Certifications I*10 Watts Polycristallin Waterproof lead gel 12V 7Ah x 2 Autonomy 60 Hours IP66 Mechanicals Box material Aluminum Polycarbonate with bird spike M8 screw Height 425mm <15 Kg Solar panel dimensions 300mm x 385mm Environment Humidity 100% Gel -60°C Wind speed 240 Km/h Certifications EN60947-1 CEI CEI60364, NF C15-100 EN60529 Annexe 14, Volume I, Chapter 6 Quality ISO 9001; 2008	Voltage	Solar	
Solar panel 1*10 Watts Polycristallin Waterproof lead gel 12V 7Ah x 2 Autonomy 60 Hours Protection class IP66 Mechanicals Box material Zamac Body lamp material Aluminum Lens material Polycarbonate with bird spike Mounting M8 screw Height 425mm Weight <15 Kg Solar panel dimensions 300mm x 385mm Environment Humidity 100% Gel -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CE160364, NF C15-100 EN60529 ICAO Quality ISO 9001 ; 2008	Lightning protection	Integrated	
Battery Autonomy Frotection class Protection class Box material Body lamp material Lens material Polycarbonate with bird spike Mounting M8 screw Height V25mm Weight V15 Kg Solar panel dimensions Environment Humidity Gel Gel Gel Gertifications EN60947-1 CE EN60529 ICAO Quality Mourts Gel Lovarbonate Aluminum Polycarbonate with bird spike M8 screw V425mm V25mm V25 Kg V26 Ceve Wind speed V40 Km/h Certifications EN60947-1 CEI60364, NF C15-100 EN60529 Annexe 14, Volume I, Chapter 6 Guality ISO 9001; 2008	Functioning temperature	-55°C to +55°C	
Battery 12V 7Ah x 2 Autonomy 60 Hours Protection class IP66 Mechanicals Box material Zamac Body lamp material Aluminum Lens material Polycarbonate with bird spike Mounting M8 screw Height 425mm Weight <15 Kg Solar panel dimensions 300mm x 385mm Environment Humidity 100% Gel -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CE160364, NF C15-100 EN60529 ICAO Quality ISO 9001 ; 2008	Solar panel	1*10 Watts Polycristallin	
Autonomy 60 Hours Protection class IP66 Mechanicals Box material Zamac Body lamp material Aluminum Lens material Polycarbonate with bird spike Mounting M8 screw Height 425mm Veight <15 Kg Solar panel dimensions 300mm x 385mm Environment Humidity 100% Gel -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CEI60364, NF C15-100 EN60529 ICAO Quality ISO 9001 ; 2008	D.U.	Waterproof lead gel	
Protection class Mechanicals Box material Body lamp material Lens material Meight Weight Solar panel dimensions Environment Humidity Gel Certifications EN60947-1 CE CE CE Quality IDO9001; 2008 IZAMAC Aluminum Polycarbonate with bird spike M8 screw 425mm 425mm 425mm 300mm x 385mm 100% 60°C 240 Km/h Certifications EN60947-1 CEI60364, NF C15-100 EN60529 Annexe 14, Volume I, Chapter 6	Battery	12V 7Ah x 2	
Mechanicals Box material Body lamp material Lens material Polycarbonate with bird spike Mounting M8 screw Height 425mm Veight Solar panel dimensions 300mm x 385mm Environment Humidity Gel -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CE CE CE CE CHOOS Annexe 14, Volume I, Chapter 6 Quality ISO 9001; 2008	Autonomy	60 Hours	
Box material Body lamp material Lens material Polycarbonate with bird spike Mounting M8 screw Height 425mm Veight 50lar panel dimensions Environment Humidity Gel -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CE CE CE CE CE CE CE CO Annexe 14, Volume I, Chapter 6 Quality ISO 9001; 2008	Protection class	IP66	
Body lamp material Lens material Polycarbonate with bird spike Mounting M8 screw Height 425mm Weight <15 Kg Solar panel dimensions Brivinonment Humidity 100% Gel -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CE CE CE CE CHO0364, NF C15-100 EN60529 Annexe 14, Volume I, Chapter 6 Quality ISO 9001; 2008	Mechanicals		
Lens material Polycarbonate with bird spike Mounting M8 screw Height 425mm Weight <15 Kg Solar panel dimensions 300mm x 385mm Environment Humidity 100% Gel -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CE160364, NF C15-100 EN60529 ICAO Annexe 14, Volume I, Chapter 6 Quality ISO 9001 ; 2008	Box material	Zamac	
Mounting M8 screw Height 425mm Weight <15 Kg	Body lamp material	Aluminum	
Height 425mm Weight <15 Kg	Lens material	Polycarbonate with bird spike	
Weight <15 Kg	Mounting	M8 screw	
Solar panel dimensions 300mm x 385mm Environment 100% Humidity 100% Gel -60°C Wind speed 240 km/h Certifications EN60947-1 CE CEI60364, NF C15-100 EN60529 Annexe 14, Volume I, Chapter 6 Quality ISO 9001 ; 2008	Height	425mm	
Environment Humidity 100% Gel -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CEI60364, NF C15-100 EN60529 ICAO Annexe 14, Volume I, Chapter 6 Quality ISO 9001; 2008	Weight	<15 Kg	
Humidity 100% Gel -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CEI60364, NF C15-100 EN60529 ICAO Annexe 14, Volume I, Chapter 6 Quality ISO 9001 ; 2008	Solar panel dimensions	300mm x 385mm	
Gel -60°C Wind speed 240 km/h Certifications EN60947-1 CE CE160364, NF C15-100 EN60529 Annexe 14, Volume I, Chapter 6 Quality ISO 9001 ; 2008	Environment		
Wind speed 240 km/h Certifications EN60947-1 CE CEI60364, NF C15-100 EN60529 Annexe 14, Volume I, Chapter 6 Quality ISO 9001 ; 2008	Humidity	100%	
Certifications EN60947-1 CE CEI60364, NF C15-100 EN60529 Annexe 14, Volume I, Chapter 6 Quality ISO 9001 ; 2008	Gel	-60°C	
EN60947-1 CE	Wind speed	240 Km/h	
CE	Certifications		
CE		EN60947-1	
EN60529 Annexe 14, Volume I, Chapter 6 Quality ISO 9001 ; 2008	CE		
CAO 6 Quality ISO 9001 ; 2008		·	
Quality 150 9001 ; 2008	1640	Annexe 14, Volume I, Chapter	
	ICAU	6	
Warranty 2years	Quality	ISO 9001 ; 2008	
	Warranty	2years	

Available accessories for installation

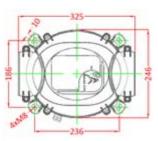
-Specific stainless steel mounting

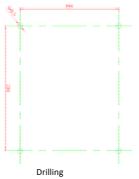
Dimensions:





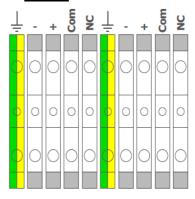
Length of screw			
Ø: L:			
Ø40	50		
Ø60	70		
Ø80	90		
Ø100	110		
Ø120	130		







Wiring



Power supply

To next light





Low Intensity LED SOLBIB Type B > 32 Cd — Solar TWINY



Description:

Le SOLBIB TWINY is an environmentally friendly system, equipped with the exclusive redundant system.

For security installation, its automatic test is launched every day. Dedicated to an autonomous night beaconing, it is long life system (100 000 hours), more than 40 hour autonomy system.

The SOLBIB TWINY is also available with a 110-240V input as back-up power supply.

Le SOLBIB TWINY is provided with photocell for an automatic switch ON/OFF and a dry contact for failure alarm.

The specific design of the box is the most convenient solution on the market for installation: mounting frame is a part of the box and it could be adjusted in vertical or horizontal position.

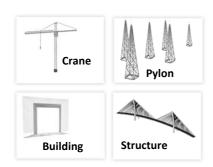
Advantages:

- Long life time > 10 years
- Multi LEDs
- Independant
- Lightning protection
- Exclusive self-test included with photocell
- Power saving
- 2 years warrant
- Zamac box with epoxy powder painting

Regulations:

- OACI, STAC N° 2010A012
- CE
- FAA compliant

Scope of application:



-Applications:

Rules concerning aircraft beaconing are established by the ICAO

Low intensity beacons can be installed on structures up to 45 meters hight.

The SOLEO gives security to every sites, even the most isolated.

Model	Voltage	Photocell	Dry contact
SOLBIBTW	Solar	Included	Included





Low Intensity LED SOLBIB Type B > 32 Cd – Solar TWINY

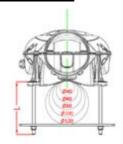
Characteristics

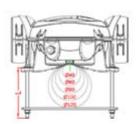
Luminous		
Luminous source	LEDs	
Colour	Red	
Horizontal beam	360°	
Vertical beam	10°	
Luminous intensity	>32 Cd	
MTBF	100 000 Hours	
Electrics		
Voltage	Solar	
Lightning protection	Integrated	
Functioning temperature	-55°C to +55°C	
Solar panel	1*10 Watts Polycristallin	
Datham	Waterproof lead gel	
Battery	12V 7Ah x 2	
Autonomy 60 Hours		
Protection class IP66		
Mechanicals		
Box material	Zamac	
Body lamp material	Aluminum	
Lens material	Polycarbonate with bird spike	
Mounting	M8 screw	
Height	425mm	
Weight	<15 Kg	
Solar panel dimensions	300mm x 385mm	
Environment		
Humidity	100%	
Gel	-60°C	
Wind speed	240 Km/h	
Certifications		
	EN60947-1	
CE	CEI60364, NF C15-100	
	EN60529	
ICAO	Annexe 14, Volume I, Chapter	
icho	6	
Quality	ISO 9001 ; 2008	
Warranty	2years	

Available accessories for installation

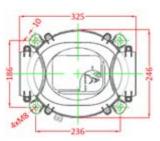
-Specific stainless steel mounting

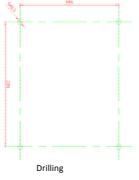
Dimensions:





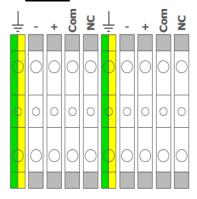
Length of screw			
Ø: L:			
Ø40	50		
Ø60	70		
Ø80	90		
Ø100	110		
Ø120	130		







Wiring



Power supply

To next light





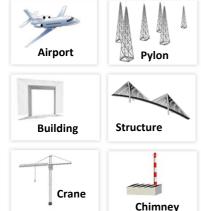
Low Intensity NEON BA30 Type B > 32 Cd



Regulations:

- ICAO, STAC N° 2006A001
- CE
- FAA Compliant L810

Scope of application:



Description:

The BA30 is a neon system dedicated to a night marking.

This is a very strong system, with a proven technology, resistant to high temperature.

The BA30 is provided with 4 meters of cable. In option, it can be equipped with photocell for an automatic switch ON/OFF and a dry contact for failure alarm.

Advantages:

- Proven technology
- -Resistant to high temperature
- -One assembly system
- -Stainless steel body
- -Warranty 2 years

Applications:

Rules concerning aircraft beaconing are established by the ICAO

Low intensity beacons can be installed on structures up to 45 meters.

According to the rules, an uninterruptible power supply cabinet has to be installed to insure a 12 hour beaconing in case of power supply failure.

Model	Voltage	Photocell	Dry contact
SBA3000AC	24V DC	Not included	Not included
SBA3000BC	48V DC	Not included	Not included
SBA3000MC	110-240V AC	Not included	Not included





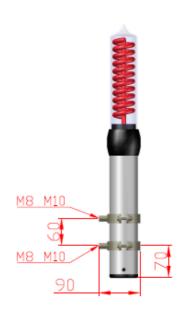
Low Intensity NEON BA30 Type B > 32 Cd

Caracteristics

Luminous	
Luminous source	Neon
Colour	Red
Horizontal beam	360°
Vertical beam	10°
Luminous intensity	>32 Cd
MTBF	50 000 Hours
Electrics	
Voltage	24, 48V DC / 110-240V AC
Functioning temperature	-55°C to +70°C
Consumption	30 Watts
	To 24V : I=930mA
Current Imax	To 48V : I=500mA
	To 230V : I=200mA
Protection class	IP66
Mechanicals	
Body material	Stainless steel
Lens material	Glass
Mounting	M8 screw
Height	560mm
Width	95mm
Weight	2 Kg
Environment	
Humidity	100%
Gel	-60°C
Wind speed	240 Km/h
Certifications	,
	EN60947-1
CE	CEI60364, NF C15-100
02	EN60529
Warranty	2 years
FAA	Compliant L-810
Quality	Photocell
Options	
	Dry contact for failure
	alarm

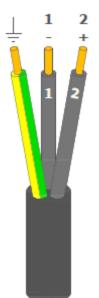
Dimensions:





Wiring

24V, 48V CC





- -Power supply
- -Stainless steel mounting
- -Driving box
- -UPS System





Low Intensity NEON BA30 Type B > 32 Cd Twiny

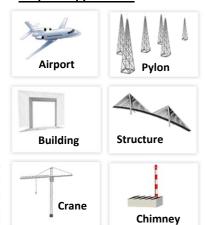




Regulations:

- ICAI, STAC N° 2006A001
- CE
- FAA Compliant L-810

Scope of application:



Description:

The BA30 TWINY is a neon system dedicated to a night marking, with the exclusive redundant system.

For security installation, its automatic test is launched every day.

This is a very strong system, with a proven technology, resistant to high temperature.

Its compact and innovating design facilitates its installation.

The zamac box allows facilitating the on-site connecting.

Advantages:

- Proven technology
- -Resistant to high temperature
- -One assembly system
- -Stainless steel body
- -Warranty 2 years
- -Zamac box with epoxy powder painting

Applications:

Rules concerning aircraft beaconing are established by the ICAO

Low intensity beacons can be installed on structures up to 45 meters.

According to the rules, an uninterruptible power supply cabinet has to be installed to insure a 12 hour beaconing in case of power supply failure.

Model	Voltage	Photocell	Dry contact
SBA30TWAB	24V DC	Included	Included
SBA30TWBB	48V DC	Included	Included
SBA30TWMB	110-240V AC	Included	Included



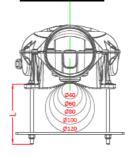


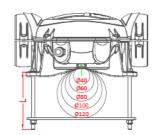
Low Intensity NEON BA30 Type B > 32 Cd Twiny

Caracteristics

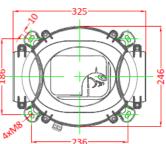
Luminous		
Luminous source	Neon	
Colour	Red	
Horizontal beam	360°	
Vertical beam	10°	
Luminous intensity	>32 Cd	
MTBF	50 000 Hours	
Electrics		
Voltage	24, 48V DC / 110-240V AC	
Functioning temperature	-55°C to +70°C	
Consumption	30 Watts	
	To 24V : I=930mA	
Current Imax	To 48V : I=500mA	
	To 230V : I=200mA	
Protection class	IP66	
Mechanicals		
Box material	Zamac	
Body lamp material	Stainless steel	
Lens material	Glass	
Mounting	M8 screw	
Height	470mm	
Weight	5Kg	
Environment		
Humidity	100%	
Gel	-60°C	
Wind speed	240 Km/h	
Certifications		
	EN60947-1	
CE	CEI60364, NF C15-100	
	EN60529	
	Annexe 14, Volume I,	
OACI	Chapter 6	
FAA	Compliant L-810	
Quality	ISO 9001 ; 2008	
Warranty	2 years	

Dimensions:





SCREW		
LEN	LENGTH	
Ø: L:		
Ø40	50	
Ø60 70		
Ø80 90		
Ø100	110	
Ø120	130	



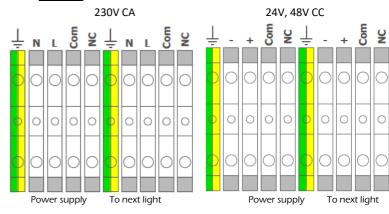




Available accessories for installation

- Power supply
- Solar kit

Wiring







Uninterruptible Power Supply Low Intensity Lights







Regulations:

- OACI, STAC
- CE
- FAA Compliant L810

Scope of application:











Made In Safety





Description:

Our Uninterruptible Power Supply is dedicated to guarantee 12 hour autonomy in case of power supply failure. The Safebox is the UPS solution optimized for obstruction lights based on high quality batteries.

Available with input of 110-240V, and output of 48V or 110-240V, the UPS is equipped in standard with lightning protection and dry contacts for network and beacons alarm failure.

Advantages:

- Isolated of the network by a transformer
- Compact
- IP66 structure
- Indication of functional status and charging status on the front of the cabinet
- 12 hours autonomy

Applications:

Rules concerning aircraft beaconing are established by the ICAO

According to the rules, an uninterruptible power supply cabinet has to be installed to insure a 12 hour beaconing in case of power supply failure.

Model	Capacity	Maximum of Low Intensity Light for 12 hours of autonomy
SBMCBI4-10	4 Batteries 12V 7Ah	10 LBIA / 4 LBIB
SBMCBI8-20	4 Batteries 12V 12Ah	20 LBIA / 8 LBIB



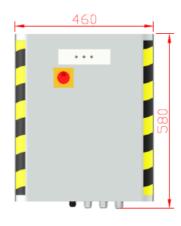


Uninterruptible Power Supply Low Intensity Lights

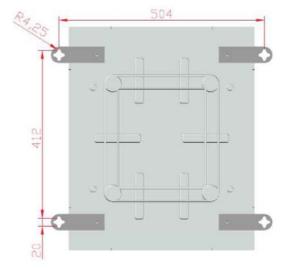
Characteristics

	Г
Electrics	
Input voltage	240V
Output voltage	48V or 240V
Lightning protection	Integrated
Functioning temperature	-55°C up to +70°C
Autonomy	12 Hours
Battery	Waterproof lead gel
Mechanicals	
Material	Polyester
Mounting	By external mounting bracket
Height	580mm
Width	460mm
Thickness	290mm
Weight SBMCBI4-10	30 Kg
Weight SBMCBI8-20	37 Kg
Protection class	IP66
Environment	
Humidity	100%
Frost	-60°C
Wind speed	240 Km/h
Certifications	
	EN60947-1
CE	CEI60364, NF C15-100
	EN60529
ICAO	Annex 14, Volume I, Chapter 6
FAA	Compliant
Quality	ISO 9001 ; 2008
Warranty	2 years (except batteries)
Options	Greater autonomy (72 hours)

Dimensions:









Uninterruptible Power Supply Medium Intensity Lights



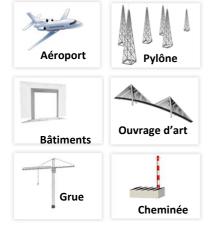




Regulations:

- **ICAO STAC**
- CE
- **FAA Compliant**

Scope of application:





Description:

Our Uninterruptible Power Supply is dedicated to guarantee 12 hour autonomy in case of power supply failure. The Safebox is the UPS solution optimized for obstruction lights based on high quality batteries.

Available with input of 110-240V, and output of 48V or 110-240V, the UPS is equipped in standard with lightning protection and dry contacts for network and beacons alarm failure.

Advantages:

- Isolated of the network by a transformer
- Compact
- IP66 structure
- Indication of functional status and charging status on the front of the cabinet
- 12 hours autonomy

Applications:

Rules concerning aircraft beaconing are established by the ICAO

According to the rules, an uninterruptible power supply cabinet has to be installed to insure a 12 hour beaconing in case of power supply failure.

Models

Model	Capacity	Maximum of Low Intensity Light for 12 hours of autonomy
SBMCMI1	4 Batteries 12V 24Ah	1 LMIA / 4 LMIB
SBMCMI2	4 Batteries 12V 48Ah	2 LMIA / 8 LMIB
SBMCMI3	4 Batteries 12V 100Ah	3 LMIA / 12 LMIB





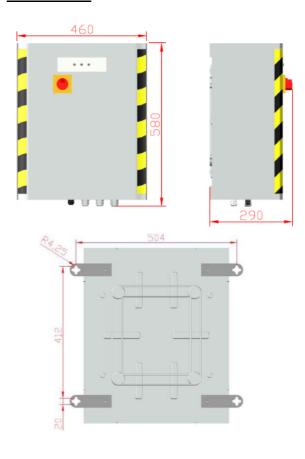
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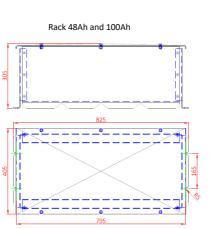
Uninterruptible Power Supply Medium Intensity Lights

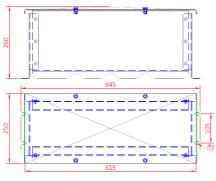
Characteristics

Flectrics	
Input voltage	240V
Output voltage	48V or 240V
Lightning protection	Integrated
Functioning temperature	-55°C up to +70°C
Autonomy	12 Hours
Battery	Waterproof lead gel
Mechanicals	
Material	Polyester
Mounting	By external mounting bracket
Height	580mm
Width	460mm
Thickness	290mm
Weight	20 Kg
Protection class	IP66
Mechanicals (rack)	
Material	Polyester
Dimensions rack 24Ah	645x250x260
Weight rack 24Ah	30 Kg (with batteries)
Dimensions rack 48Ah	825x405x305
Weight rack 48Ah	30 Kg (with batteries)
Dimensions rack 100Ah	825x405x305
Weight rack 100Ah	112 Kg (with batteries)
Protection class	IP66
Environment	
Humidity	100%
Frost	-60°C
Wind speed	240 Km/h
Certifications	
	EN60947-1
CE	CEI60364, NF C15-100
	EN60529
ICAO	Annex 14, Volume I, Chapter 6
FAA	Compliant
Quality	ISO 9001 ; 2008
Warranty	2years (except batteries)
Options	Greater autonomy (72 hours)
<u> </u>	Greater dutorionity (72 nodrs)

Dimensions:







Rack 24Ah





High Voltage Lines Warning Sphere







Description:

Our warning sphere is a diurnal beaconing installed on the high voltage lines and stays of pylons.

Extremely light and very resistant to the weather, the warning sphere is available in red, white or orange.

The sphere can be adapted on any diameter of cable or conductor.

Advantages:

- Exclusive silicon system for clamping
- Weather resistant
- Physical property retention after UV exposure
- Colour stability
- Practical toughness and rigidity
- Dimensional stability
- Adaptable to any diameter of cable or conductor
- Recyclable

-Model

Regulations:

- ICAOI
- CE

Scope of application:







Model	Colour	Jaw 07mm (cable from 10 to 15mm)	Jaw 12mm (cable from 15 to 20mm)	Jaw 18mm (cable from 20 to 26.4mm)
WS60R-d07	Red	Х		
WS60R-d12	Red		Х	
WS60R-d18	Red			X
WS60W-d07	white	X		
WS60W-d12	white		Х	
WS60W-d18	white			X
WS60O-d07	Orange	Х		
WS60O-d12	Orange		Х	
WS60O-d18	Orange			X





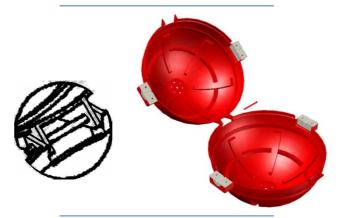
High Voltage Lines Warning Sphere

Characteristics

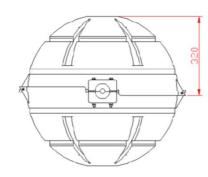
Mechanicals	
Body material	Composite
Colour	Red, white or orange
Fixation	Jaw in silicone + stainless steel screws (included)
Diameter	600mm
Thickness	3mm
Weight	<5 Kg
Temperature	-25°C up to +65°C
Environment	
Humidity	100%
Frost	-60°C
Wind speed	240 Km/h
Certifications	
ICAO	Annex 14, Volume I, Chapter 6
Quality	ISO 9001 ; 2008

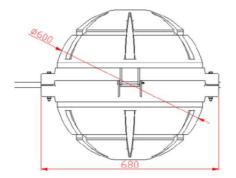
<u>Installation</u>



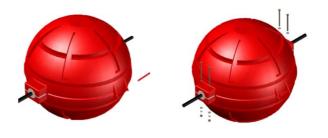


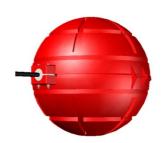
Dimensions:















High voltage lines LBIA Type A > 10 Cd







Regulations:

- ICAOI
- CE

Scope of application:



Description:

The LBIA BHT is a one block beacon with the LEDs technology.

Dedicated to the beaconing of high voltage lines, it is a long life beacon (100 000 hours), without any power supply. This compact design and light weight allow the quickest and easiest installation on the market.

Advantages:

- Long life time > 10 years
- Multi LEDs
- Natural stability based on specific nut
- Installation time reduced
- No maintenance
- Warranty 2 years
- Product completely fulfil with high voltage resin to avoid vibration effects
- -Only 1 reference for all voltage of lines

Applications:

The LEDEOBIA BHT complies with the ICAO regulations as it is power supplied by the magnetic field around the cable of the high voltage line. This light can be used for beaconing high voltage lines up to 500kV. The installation specifications for high voltage overhead cables are mainly dealing with the intervals between two beacons:

- 70 meters for sensitive specification location in the vicinity of an airport
- 105 meters for other locations Moreover, the light cannot be fixed at less than 10 meters from the closest supporting tower.

Model	Voltage of the lignes	Photocell	Dry Contact
LBIA00HT	1V to 500kV	Not included	Not Included



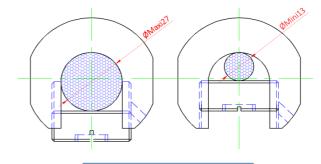


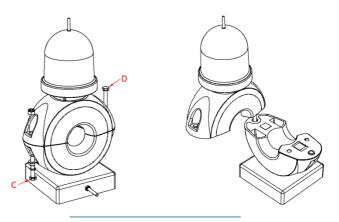
High voltage lines LBIA Type A > 10 Cd

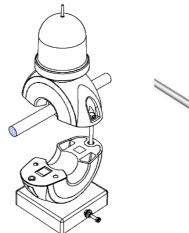
Caracteristics

Luminous		
Luminous intensity	LEDS	
Colour	Red	
Horizontal beam	360°	
Vertical beam	10°	
Luminous intensity	>10 Cd	
MTBF	100 000 Hours	
Electrics		
Voltage lines	1V to 500kV	
Functioning temperature	-55°C to +55°C	
Current Imin	7A	
Current l10Cd	10A	
Current Imax	800A	
Protection class	IP66	
Mechanicals		
Body material	Aluminium ABS	
	Polycarbonate with peak	
Lens material	against birds	
Mounting	Positioning nut	
Height	380mm	
Width	215mm	
Weight	<6 Kg	
Environment		
Humidity	100%	
Frost	-60°C	
Wind speed	240 Km/h	
Certifications		
	EN60947-1	
CE	CEI60364, NF C15-100	
	EN60529	
	Annexe 14, Volume I,	
ICAO	Chapter 6	
Quality	ISO 9001 ; 2008	
Warranty	2 years	

Installation

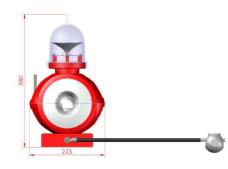


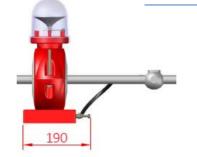






Dimensions:



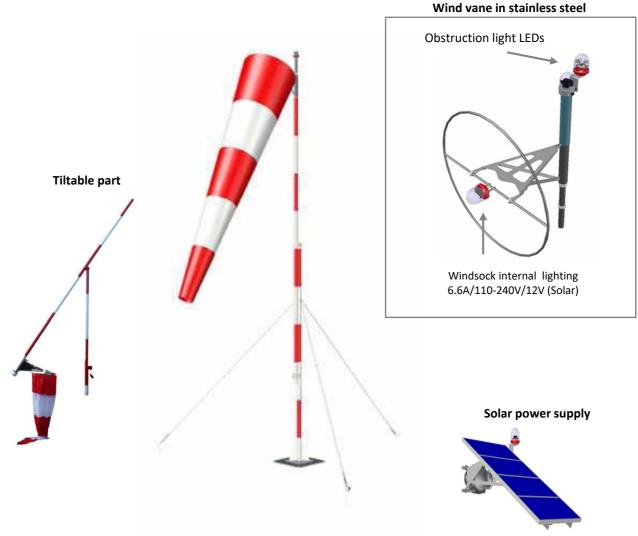








7.40m Windsock Mast



Description:

The STNA mast is our ICAO compliant one. This tipping mast measure 7, 40 meters, equipped with 3 braces.

The standard wind vane are 60 cm or 100 cm diameter, others diameters are also available.

In option, the mast can be manufactured in stainless. A dedicated piece could be added for frangibility.

Several accessories are available, windsock internal lighting or top mast beaconing with solar or direct power supply (110-240V / 6.6A).

Model	Designation	Wind vane diameter
STNABG60	STNA Mast	60 cm
STNABG100	STNA Mast	100 cm
STNABG60E2L	STNA Mast + windsock internal lighting 230V	60 cm
STNABG100E2L	STNA Mast + windsock internal lighting 230V	100 cm
STNABG60E6	STNA Mast + windsock internal lighting 6.6A	60 cm
STNABGE6	STNA Mast + windsock internal lighting 6.6A	100 cm
LBIA-HMA-6.6A	Low Intensity Light Type A Top Mast Beaconing 6.6A	-
LBIA-HMA-A230	Low Intensity Light Type A Top Mast Beaconing 230V	-



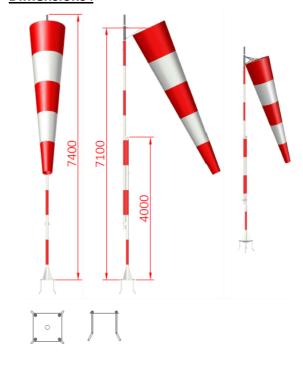


7.40m Windsock Mast

Characteristics

Mechanicals Height 7.40 meters Tiltable part Integrated Protection Galvanized steel Paint Red and white Fixation Plate of sealing (included) Wind vane Diameter 60 Braces 3 x 120 cm Concrete block 600 x 600 x 800 mm Environment Humidity Humidity 100% Frost -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CE160364, NF C 15-100 EN60529 ICAO Annex 14, Volume I, Chapter 6 Quality ISO 9001 ; 2008		
Tiltable part Integrated Protection Galvanized steel Paint Red and white Fixation Plate of sealing (included) Wind vane Diameter 60 Diameter 100 Braces 3 x 120 cm Concrete block 600 x 600 x 800 mm Environment Humidity 100% Frost -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CEI60364, NF C 15-100 EN60529 ICAO Annex 14, Volume I, Chapter 6	Mechanicals	
Protection Galvanized steel Paint Red and white Fixation Plate of sealing (included) Wind vane Diameter 60 Diameter 100 Braces S x 120 cm 600 x 600 x 800 mm Environment Humidity Humidity 100% Frost -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CE160364, NF C 15-100 EN60529 ICAO Annex 14, Volume I, Chapter 6	Height	7.40 meters
Paint Red and white Fixation Plate of sealing (included) Wind vane Diameter 60 Diameter 100 Diameter 100 Braces 3 x 120 cm Concrete block 600 x 600 x 800 mm Environment Humidity Humidity 100% Frost -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CEI60364, NF C 15-100 EN60529 ICAO Annex 14, Volume I, Chapter 6	Tiltable part	Integrated
Fixation Plate of sealing (included) Wind vane Diameter 60 Diameter 100 Diameter 100 Braces 3 x 120 cm Concrete block 600 x 600 x 800 mm Environment Humidity Humidity 100% Frost -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CEI60364, NF C 15-100 EN60529 ICAO Annex 14, Volume I, Chapter 6	Protection	Galvanized steel
Wind vane Diameter 60 Diameter 100 Braces 3 x 120 cm Concrete block 600 x 600 x 800 mm Environment 100% Frost -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CE160364, NF C 15-100 EN60529 ICAO Annex 14, Volume I, Chapter 6	Paint	Red and white
Wind vane Diameter 100 Braces 3 x 120 cm Concrete block 600 x 600 x 800 mm Environment 100% Frost -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CE160364, NF C 15-100 EN60529 ICAO Annex 14, Volume I, Chapter 6	Fixation	Plate of sealing (included)
Diameter 100	Wind yang	Diameter 60
Concrete block 600 x 600 x 800 mm Environment 100% Humidity 100% Frost -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CEI60364, NF C 15-100 EN60529 ICAO ICAO Annex 14, Volume I, Chapter 6	willa valle	Diameter 100
Environment Humidity 100% Frost -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CEI60364, NF C 15-100 EN60529 ICAO Annex 14, Volume I, Chapter 6	Braces	3 x 120 cm
Humidity 100% Frost -60°C Wind speed 240 Km/h Certifications EN60947-1 CE CEI60364, NF C 15-100 EN60529 ICAO Annex 14, Volume I, Chapter 6	Concrete block	600 x 600 x 800 mm
Frost	Environment	
Wind speed 240 Km/h Certifications EN60947-1 CE CEI60364, NF C 15-100 EN60529 ICAO Annex 14, Volume I, Chapter 6	Humidity	100%
Certifications EN60947-1 CE CEI60364, NF C 15-100 EN60529 ICAO Annex 14, Volume I, Chapter 6	Frost	-60°C
EN60947-1 CE CEI60364, NF C 15-100 EN60529 ICAO Annex 14, Volume I, Chapter 6	Wind speed	240 Km/h
CE	Certifications	
ICAO EN60529 Annex 14, Volume I, Chapter 6		EN60947-1
ICAO Annex 14, Volume I, Chapter 6	CE	CEI60364, NF C 15-100
		EN60529
Quality ISO 9001 ; 2008	ICAO	Annex 14, Volume I, Chapter 6
	Quality	ISO 9001 ; 2008
Warranty 1 year	Warranty	1 year
Options	Options	
Windsock internal lighting		Windsock internal lighting
Top mast beaconing		Top mast beaconing
Frangibility of the mast		Frangibility of the mast
Stainless steel manufacture		Stainless steel manufacture
Solar power supply		Solar power supply

Dimensions:



Concrete bloc

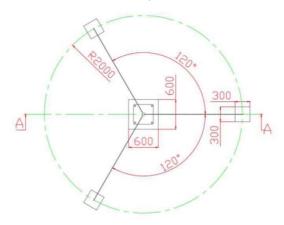




Characteristics option top mast beaconing:

Luminous	
Luminous source	LEDs
Colour	Red
Horizontal beam	360°
Vertical beam	10°
Luminous intensity	>10 Cd
MTBF	100 000 Hours
Electrics	
Voltage	6.6A/230V/12V (solar)
Lightning protection	Integrated
Functioning temperature	-55°C up to +55°C
Consumption	<3 Watts
Protection class	IP66

Braces disposition



Available accessories for installation

- -Windstock
- Solar kit





3m or 6m FAA Compliant Windsock Mast



Description:

Our FAA mast is compliant with FAA rules.

This mast is available in 3 or 6 meters and is provided with preformed wind vane.

In option, the mast could be painted in white or red.

Several options are available as windsocks, external lighting and top mast beaconing.

Model	Win vane diameter	3 meters	6 meters
FAA3-30-G	30 cm	Х	
FAA3-60-G	60 cm	Х	
FAA3-90-G	90 cm	Х	
FAA3-100-G	100 cm	Х	
FAA6T-30-G	30 cm		Х
FAA6T-60-G	60 cm		Х
FAA6T-90-G	90 cm	·	Х
FAA6T-100-G	100 cm		Х





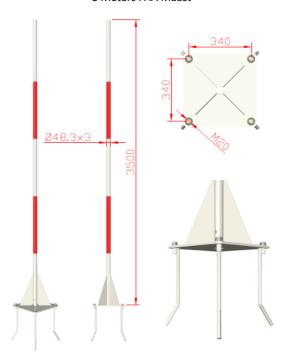
FAA Compliant Windsock Mast

Characteristics

Mechanicals		
Height	3 or 6 meters	
Tiltable part	In option for 3 meters	
Protection	Galvanized steel	
Paint	No paint	
Fixation	Concrete block	
Wind vane	30 / 60 / 90 / 100 cm	
Braces	No	
Concrete block	600 x 600 x 800 mm	
Environment		
Humidity	100%	
Frost	-60°C	
Wind speed	240 Km/h	
Certifications		
FAA	Compliant	
Quality	ISO 9001 ; 2008	
Warranty	1 year	
Options		
	Specific plate for tiltoble part	
	Top mast beaconing	
	Windsock external lighting with 4	
	halogen (240V or 6.6A)	
	Painting	
	Frangibility of the mast	
	Solar power supply	

Dimensions:

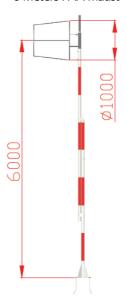




6 Meters FAA maast

Characteristics option top mast beaconing:

Luminous	
Luminous source	LEDs
Colour	Red
Horizontal beau	360°
Vertical beau	10°
Luminous intensity	>10 Cd
MTBF	100 000 Hours
Electrics	
Voltage	6.6A/230V/12V (solar)
Lightning protection	Integrated
Functioning temperature	-55°C up to +55°C
Consumption	<3 Watts
Protection class	IP66



Available accessories for installation

- -Windsock
- Solar kit





Windsock Mast



Description:

The simple mast is 4 meters and could be tiltable.

It is provided with its wind vane, braces (for fixed version) and mounting frame in "U".

Three diameters of wind vane and corresponding windsock are available.

Model	Wind vane diameter (cm)	Tiltable	Fix
MASBG30	30	Х	
MASBG40	40	Х	
MASBG50	50	Х	
MASFG30	30		Х
MASFG40	40		Х
MASFG50	50		Х





Windsock Mast

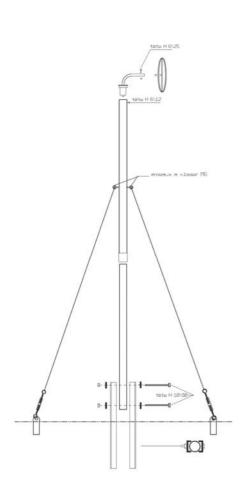
Characteristics

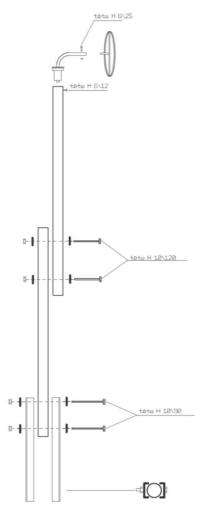
Mechanicals	
Height	4 meters
Tiltable part	Fixe or tiltable
Protection	Galvanized steel
Paint	White
Mounting	In "U"
	Diameter 30
Wind vane	Diameter 40
	Diameter 50
Braces (for fixe version)	3 x 120 cm
Concrete block	600 x 600 x 800 mm
Environment	
Humidity	100%
Frost	-60°C
Wind speed	240 Km/h
Certifications	
	EN60947-1
CE	CEI60364, NF C15-100
	EN60529
ICAO	Compliant
Quality	ISO 9001 ; 2008
Warranty	1 year

Available accessories for installation

-Windsock

Dimensions:







DOC124a.VEN-Rev0



Windsocks



Description:

Our windsocks are in compliance with the international civil aviation rules. The windsocks are manufactured in France with high quality fabric, qualified with 160g/m2. With a specific U.V. treatment the color is warranty.

They offer high resistance to the weather and to the sun.

The standard colors available are white, red, orange, yellow and black. Your logo could be added.

Characteristics

Windsocks	
Dye	Colourfast
Assembling	In 5 sections
Mounting	By synthetic clamp collars
Options	
	Specific dimensions
	Customization of the windsock (logo)
	Anti-rolled up system
	Specific colour

Model	Dimensions	Colour
DBM-SE-30-120-RB	30 x 120 cm	Red and white
DBM-SE-30-180-RB	30 x 180 cm	Red and white
DBM-SE-40-250-RB	40 x 250 cm	Red and white
DBM-SE-50-225-RB	50 x 225 cm	Red and white
DBM-SE-60-240-RB	60 x 240 cm	Red and white
DBM-SE-90-450-RB	90 x 450 cm	Red and white
DBM-SE-100-450-RB	100 x 450 cm	Red and white
DBM-SE-30-120-OR	30 x 120 cm	Orange
DBM-SE-30-180-OR	30 x 180 cm	Orange
DBM-SE-40-250-OR	40 x 250 cm	Orange
DBM-SE-50-225-OR	50 X 225 cm	Orange
DBM-SE-60-240-OR	60 x 240 cm	Orange
DBM-SE-90-450-OR	90 x 450 cm	Orange
DFBM-SE-100-450-OR	100 x 450 cm	Orange



