



Obelux Aviation Obstacle Lights



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Obelux Ltd

Back in 1996 Obelux was the first company to release a LED-based obstacle light and set a new standard for the whole industry. Obelux Ltd manufactures and delivers ICAO and FAA compliant Low-, Medium-, and High intensity LED aviation obstacle lights for all applications. All our products are based on LED technology and have an amazing track record in reliability.

With a very long life time and low energy consumption, with recyclable materials, our products are the best choice for sustainable development. Furthermore, our manufacturing practices are ISO 9002 and ISO 14001 certified.

Obelux's patented technologies make the products even more reliable and long lasting than other LED-based lighting devices on the market. This makes the Obelux products superior in difficult installation locations. Most Obelux products can be used virtually anywhere and no service is required.

The Obelux obstacle lights offer many advantages:

- Expected life time more than 15 years
- Exceptionally long 5 years warranty
- 95% lower energy consumption in comparison to traditional obstacle lights
- Easy to install due to small size and low weight
- Shock and vibration proof
- Suitable for solar power applications
- Very low cost of ownership

Delivering reliability to the customer is our mission. The Obelux obstacle lights are proven to be extremely reliable, even in extreme nordic weather conditions. Over 60 000 Obelux obstacle lights have been installed since 1996 with only few units returned for warranty repair.



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Low intensity LED obstacle lights

ICAO Type A and Type B, FAA L-810

Obelux low intensity obstacle light (LI-series)

- Very flexible mechanical installation with several mounting alternatives
- More robust mechanical design
- Mechanical parts marine grade aluminium, acid proof steel or glass, suitable for offshore use
- Lowest power consumption in the world
- Built-in photocell as a day/night switch as option
- Flasher as an option
- Two cable glands, easy to chain without external terminal boxes
- 5 years warranty



Technical data

- Operating voltages 10...60 V_{DC} and 115/230 V_{AC}
- Meets the requirements of ICAO Type A or ICAO Type B and FAA L-810 low intensity obstacle lights
- Optional photocell sensitivity selectable 200/400/800 lx
- Optional flash rate 20/40/60 fpm with flash duration 250 ms
- Two stage overvoltage protection
- Weight 1.1 kg
- Dimensions: (H) 210 mm x (D) 104 mm
- IP65

Options

- GPS synchronization
- Fault monitoring
- GSM alarm
- Master/slave -unit

Order code	ICAO standard	FAA standard	Operating voltage	Current @12 V _{DC}	Current @24 V _{DC}	Current @48 V _{DC}	Power consumption	Nominal intensity	Remark
LI-10-DCW-F	Type A	-	10...60 V _{DC}	0.13 A	0.06 A	0.03 A	1.5 W	10 cd	
LI-10-115-F	Type A	-	115 V _{AC}				1.9 VA	10 cd	
LI-10-230-F	Type A	-	230 V _{AC}				1.9 VA	10 cd	
LI-10-DCW-PCFL	Type A	-	10...60 V _{DC}	0.13 A	0.06 A	0.03 A	1.5 W	10 cd	Day/night switch, flasher
LI-10-115-PCFL	Type A	-	115 V _{AC}				1.9 VA	10 cd	Day/night switch, flasher
LI-10-230-PCFL	Type A	-	230 V _{AC}				1.9 VA	10 cd	Day/night switch, flasher
LI-32-DCW-F	Type B	L-810	10...60 V _{DC}	0.29 A	0.5 A	0.07 A	3.5 W	32 cd	
LI-32-115-F	Type B	L-810	115 V _{AC}				3.8 VA	32 cd	
LI-32-230-F	Type B	L-810	230 V _{AC}				3.8 VA	32 cd	
LI-32-DCW-PCFL	Type B	L-810	10...60 V _{DC}	0.29 A	0.15 A	0.07 A	3.5 W	32 cd	Day/night switch, flasher
LI-32-115-PCFL	Type B	L-810	115 V _{AC}				3.8 VA	32 cd	Day/night switch, flasher
LI-32-230-PCFL	Type B	L-810	230 V _{AC}				3.8 VA	32 cd	Day/night switch, flasher

Mounting sets for low intensity obstacle lights



Order code	Description
MS-HV80	Mounting set for 33...80 mm vertical or horizontal pipe All parts AISI 316 acid proof steel



Order code	Description
MS-EV60	Mounting set for 30...60 mm mast structures
MS-EV100	Mounting set for 60...100 mm mast structures
MS-EV150	Mounting set for 100...150 mm mast structures

Mounting sets with extension plate for vertical pipe installations
Plate marine grade anodised aluminium, bolts and nuts AISI 316 acid proof steel



Order code	Description
MS-LVU	Mounting set for L and V -shape profiles (galvanised)
MS-LVA	Mounting set for L and V -shape profiles (AISI 316)

All parts hot dip galvanised steel or AISI 316 acid proof steel



Order code	Description
MS-DEV60	Double mounting set for 30...60 mm mast structures
MS-DEV100	Double mounting set for 60...100 mm mast structures

Mounting set for 30...60 mm vertical pipe installation of two units
All parts marine grade anodised aluminium or AISI 316 acid proof



Order code	Description
MS-RW	Mounting set for roof or wall, vertical or horizontal plate installation All parts AISI 316 acid proof steel



Order code	Description
MS-N1B	Mounting set for 1" NPT at bottom



Low intensity LED obstacle lights

Obelux 1st generation models ICAO Type A and Type B, FAA L-810



ICAO Type A low intensity obstacle lights

- Operating voltages 230 and 115 V_{AC} and 12, 24 and 48 V_{DC}
- Meets ICAO low intensity Type A requirements
- Integrated photocell available for DC models
- Weight 0.9 kg
- Dimensions: (H) 235 mm x (D) 120 mm
- 5 years warranty
- IP65



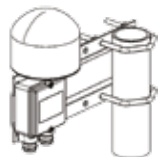
ICAO Type B and FAA L-810 low intensity obstacle lights

- Operating voltages 230 and 115 V_{AC} and 12, 24 and 48 V_{DC}
- Meets ICAO low intensity Type B and FAA L-810 requirements
- Integrated photocell available for DC models
- Weight 1.1 kg
- Dimensions: (H) 235 mm x (D) 120 mm
- 5 years warranty
- IP65

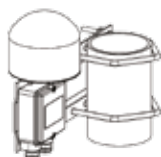
Order code	ICAO standard	FAA standard	Operating voltage	Power consumption	Nominal intensity	Remark
Obelux-10-12-F	Type A	-	12 V _{DC}	3 W	10 cd	
Obelux-10-24-F	Type A	-	24 V _{DC}	3 W	10 cd	
Obelux-10-48-F	Type A	-	48 V _{DC}	3 W	10 cd	
Obelux-10-115-F	Type A	-	115 V _{AC}	7 VA	10 cd	
Obelux-10-230-F	Type A	-	230 V _{AC}	7 VA	10 cd	
Obelux-10-12-F-PCFL	Type A	-	12 V _{DC}	3 W	10 cd	Day/night switch, flasher
Obelux-10-24-F-PCFL	Type A	-	24 V _{DC}	3 W	10 cd	Day/night switch, flasher
Obelux-10-48-F-PCFL	Type A	-	48 V _{DC}	3 W	10 cd	Day/night switch, flasher
Obelux-10-115-F-PCFL	Type A	-	115 V _{AC}	9 VA	10 cd	Day/night switch, flasher
Obelux-10-230-F-PCFL	Type A	-	230 V _{AC}	9 VA	10 cd	Day/night switch, flasher
Obelux-32-12-F	Type B	L-810	12 V _{DC}	6 W	32 cd	
Obelux-32-24-F	Type B	L-810	24 V _{DC}	6 W	32 cd	
Obelux-32-48-F	Type B	L-810	48 V _{DC}	6 W	32 cd	
Obelux-32-115-F	Type B	L-810	115 V _{AC}	9 VA	32 cd	
Obelux-32-230-F	Type B	L-810	230 V _{AC}	9 VA	32 cd	
Obelux-32-12-F-PCFL	Type B	L-810	12 V _{DC}	6 W	32 cd	Day/night switch, flasher
Obelux-32-24-F-PCFL	Type B	L-810	24 V _{DC}	6 W	32 cd	Day/night switch, flasher
Obelux-32-48-F-PCFL	Type B	L-810	48 V _{DC}	6 W	32 cd	Day/night switch, flasher
Obelux-32-115-F-PCFL	Type B	L-810	115 V _{AC}	9 VA	32 cd	Day/night switch, flasher
Obelux-32-230-F-PCFL	Type B	L-810	230 V _{AC}	9 VA	32 cd	Day/night switch, flasher

Available also with other light colours

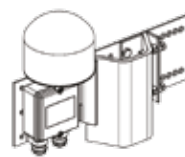
Available mounting sets



MS-60



MS-100



MS-TRA-LVU

Order code	Description
MS-60	Obelux F-type obstacle light mounting set for 30...60 mm mast structures
MS-100	Obelux F-type obstacle light mounting set for 50...100 mm mast structures
MS-DV-60	Double mounting set for 30...60 mm mast structures
MS-DV-100	Double mounting set for 60...100 mm mast structures
MS-TRA-LVU	Obelux F-type obstacle light mounting set for L or V shaped mast structures

Low intensity E27 Replacement units

ICAO Type A and Type B, FAA L-810



ICAO Type A, E27 replacement unit

- LED Obstacle light
- Operating voltages 230 and 115 V_{AC} and 12, 24 and 48 V_{DC}
- Meets ICAO low intensity Type A requirements
- Power consumption < 7 VA
- Weight 0.1 kg
- Dimensions: (H) 100 mm x (D) 92 mm
- 5 years warranty



ICAO Type B and FAA L-810, E27 replacement unit

- LED Obstacle light
- Operating voltages 230 and 115 V_{AC} and 12, 24 and 48 V_{DC}
- Meets ICAO low intensity Type B and FAA L-810 requirements
- Power consumption < 9 VA
- Weight 0.1 kg
- Dimensions: (H) 110 mm x (D) 100 mm
- 5 years warranty

Order code	ICAO standard	FAA standard	Operating voltage	Power consumption	Nominal intensity
10-12-E27	Type A	-	12 V _{DC}	< 3 W	10 cd
10-24-E27	Type A	-	24 V _{DC}	< 3 W	10 cd
10-48-E27	Type A	-	48 V _{DC}	< 3 W	10 cd
10-115-E27	Type A	-	115 V _{AC}	< 7 VA	10 cd
10-230-E27	Type A	-	230 V _{AC}	< 7 VA	10 cd
32-12-E27	Type B	L-810	12 V _{DC}	< 6 W	32 cd
32-24-E27	Type B	L-810	24 V _{DC}	< 6 W	32 cd
32-48-E27	Type B	L-810	48 V _{DC}	< 6 W	32 cd
32-115-E27	Type B	L-810	115 V _{AC}	< 9 VA	32 cd
32-230-E27	Type B	L-810	230 V _{AC}	< 9 VA	32 cd

Available also with other light colours.

Medium intensity LED obstacle lights

ICAO Type B and Type C, FAA L-864 and L-885

Obelux medium intensity red obstacle light (MI-series)

- Mounting set included for either vertical pipe or horizontal surface (e.g. roof)
- Robust mechanical design
- Mechanical parts marine grade aluminium, acid proof steel and glass, suitable for offshore use
- Photocell as a day/night switch as an option
- Flasher as an option
- Two cable glands, easy to chain
- Solar-powered systems available
- Battery back-up systems available
- Can be shipped with red, yellow or white LEDs (default red)
- 5 years warranty



Technical data

- Nominal luminous intensity 2 000 cd
- Light colour red
- Beam width 3 degrees vertically and 360 degrees horizontally
- Operating voltages 12, 24 or 48 V_{DC} and 115 or 230 V_{AC} with AC/DC power supplies
- Meets ICAO medium intensity Type C and FAA L-864 and L-885 requirements
- ICAO Type B, FAA L-864 and L-885 light available with flash controllers
- Three stage overvoltage protection
- Weight 6 kg
- Dimensions: (H) 330 mm x (D) 205 mm
- IP65

Options

- GPS synchronization
- GSM alarm
- Fault monitoring
- Master/slave -unit
- Day/night mode 2 000/200 cd

Order code	ICAO standard	FAA standard*	Operating voltage	Current consumption	Power consumption	Nominal intensity	Mounting set
MI-2KR-012-V	Type C, Type B*	L-864, L-885	12 V _{DC}	2.3 A	28 W	2 000 cd	Vertical
MI-2KR-012-H	Type C, Type B*	L-864, L-885	12 V _{DC}	2.3 A	28 W	2 000 cd	Horizontal
MI-2KR-024-V	Type C, Type B*	L-864, L-885	24 V _{DC}	1.2 A	28 W	2 000 cd	Vertical
MI-2KR-024-H	Type C, Type B*	L-864, L-885	24 V _{DC}	1.2 A	28 W	2 000 cd	Horizontal
MI-2KR-048-V	Type C, Type B*	L-864, L-885	48 V _{DC}	0.6 A	28 W	2 000 cd	Vertical
MI-2KR-048-H	Type C, Type B*	L-864, L-885	48 V _{DC}	0.6 A	28 W	2 000 cd	Horizontal
MI-2KR-230-V**	Type C, Type B*	L-864, L-885	230 V _{AC}		28 VA	2 000 cd	Vertical
MI-2KR-230-H**	Type C, Type B*	L-864, L-885	230 V _{AC}		28 VA	2 000 cd	Horizontal

*ICAO Type B light and FAA type L864 and L-885 (flashing red) can be configured using either applicable fault monitoring units (CSW) in pages 13 and 14 or power supply (PS) with flash controller in page 12 or stand-alone photocell and flash controller PCFL-DC1-TB in page 14.

**With external power supply



Horizontal mounting set

- For horizontal plate installations

Available mounting set alternatives



Vertical mounting set

- For 30...100 mm diameter mast structures

Medium intensity LED obstacle lights

ICAO Type A, FAA L-865



Obelux medium intensity white obstacle light (MI-series)

- Mounting set included for either vertical pipe or horizontal surface (e.g. roof)
- Robust mechanical design
- Mechanical parts marine grade aluminium, acid proof steel or glass, suitable for offshore use
- 5 years warranty

Light Head Controller (LHC)

- Operating voltage 230 V_{AC} or 115 V_{AC}
- Constant power consumption and PFC
- Light unit monitoring and alarm generation in case of malfunction
- Power supply enclosure stainless steel
- Multiple LHCs synchronization
- Master/slave control (spare light)



Light head technical data

- Nominal luminous intensity 20 000 cd at day mode and 2 000 cd at night mode
- Light colour white
- Beam width 3 degrees vertically and 360 degrees horizontally
- Meets ICAO medium intensity Type A and FAA L-865 requirements
- Overvoltage protection
- Flash rate 20, 40, 60 fpm
- Weight 16.5 kg
- Dimensions: (H) 550 mm x (D) 250 mm
- IP65

Options

- GPS synchronization
- GSM alarm
- Control panel
- Ethernet communication
- External photocell

Order code	ICAO standard	FAA standard	Operating voltage	Power consumption @ 20 fpm (day/night)	Nominal intensity	Mounting set
MI-20KW-230-V	Type A	L-865	230 V _{AC}	45/16 VA	20 000/2 000 cd	Vertical
MI-20KW-230-H	Type A	L-865	230 V _{AC}	45/16 VA	20 000/2 000 cd	Horizontal
MI-20KW-115-V	Type A	L-865	115 V _{AC}	45/16 VA	20 000/2 000 cd	Vertical
MI-20KW-115-H	Type A	L-865	115 V _{AC}	45/16 VA	20 000/2 000 cd	Horizontal



Available mounting set alternatives



Horizontal mounting set

- For horizontal plate installations

Vertical mounting set

- For 30...150 mm diameter mast structures

High intensity LED obstacle lights

ICAO Type A and Type B, FAA L-864 and L-855

Obelux high intensity obstacle light (HI-series)

- LED-light source, flashing white
- Up to 270 000 cd effective intensity
- Meets ICAO HI Type A and B and
- FAA L-856 and L-857 requirements
- Extremely reliable
- Fault tolerant design
- Over 10 year maintenance free operating time
- 5 years warranty

Light Head Controller (LHC)

- 230 V_{AC} input
- Constant power consumption, PFC
- Fault monitoring
- Light unit monitoring and alarm generation in case of malfunction
- Power supply enclosure stainless steel
- Multiple LHCs synchronization
- Master/slave control (spare light)



Technical data

- 100 000, 140 000, 200 000 or 270 000 cd effective intensity
- Light colour white
- Day, twilight, night operating modes
- Distributed control and monitoring scheme: Several control panels possible, otherwise full functional operation without control panel
- Beam width 3 degrees vertically and 120 degrees horizontally

Options

- GPS synchronization
- GSM alarm
- Control panel
- Ethernet communication
- External photocell

Order code	ICAO / FAA standard	Operating voltage	Power consumption @ 40fpm	Nominal intensity	Beam spread
HI-100KW-230-x	ICAO High Intensity Type B	230 V _{AC}	100 W	100 000 cd	120 x 3 deg
HI-140KW-230-x	FAA L-857	230 V _{AC}	120 W	140 000 cd	120 x 3 deg
HI-200KW-230-x	ICAO High Intensity Type A	230 V _{AC}	255 W	200 000 cd	120 x 3 deg
HI-270KW-230-x	FAA L-856	230 V _{AC}	300 W	270 000 cd	120 x 3 deg



Light Head Controller (LHC)



Country-specific LED obstacle lights

CAP 168, BMVBM, CASA



200 cd light units for the UK local requirements

- Two cable glands, easy to chain without external terminal boxes
- Can be shipped with red, yellow or white LEDs (default red)
- Meets CAP 168 Low intensity Approach requirements
- More robust mechanical design
- Mechanical parts marine grade aluminium, acid proof steel or glass
- Suitable for offshore use
- 5 years warranty
- IP65



Technical data

- Nominal luminous intensity vertically 50 cd at 0...15 degrees and 200 cd at 5...8 degrees
- Dimensions: (H) 210 mm x (D) 104 mm
- Weight 1.2 kg
- Horizontally omnidirectional
- Operating voltages 24 or 48 V_{DC} and 115 or 230 V_{AC} with AC/DC power supplies
- Three stage overvoltage protection

Options

- Mounting kits
- Photocell as a day/night switch
- Flasher
- Battery back-up systems available

Order code	CAP 168 standard	Operating voltage	Current consumption	Power consumption	Nominal intensity
LI-200-024-F	Low intensity Approach	24 V _{DC}	0.66 A	16 W	200 cd
LI-200-048-F	Low intensity Approach	48 V _{DC}	0.33 A	16 W	200 cd

Wind turbine LED obstacle light for Germany

- Operating voltage 24 V_{DC}
- Flash/steady burning operating modes
- Meets the requirements of BMVBM LS 11/60.01.87 - 01/5 Va 02
- Default light colour red. Other light colours also available
- Power consumption in flash mode 8.5 W and in steady burning mode < 19 W
- A mounting kit for 30...100 mm mast structures and a terminal box included
- 180 cd peak and 100 cd effective intensity in flash mode
- Weight 2.5 kg
- Dimensions: (L) 200 mm x (W) 140 mm
- 5 years warranty
- IP65



100 cd light units for the Australian local requirements

- Operating voltages 12, 24, 48 V_{DC}
- Meets CASA requirements
- Weight 3.5 kg
- Dimensions: (H) 300 mm x (D) 140 mm
- 5 years warranty
- IP65

Order code	Standard	Operating Voltage	Power consumption	Nominal intensity
Obelux-150-24-CST	BMVBM LS 11/60.01.87 - 01/5 Va 02	24 V _{DC}	8.5 W (@ flash mode)	100 cd (effective)
Obelux-100-12-CST	CASA	12 V _{DC}	<16 W	100 cd
Obelux-100-24-CST	CASA	24 V _{DC}	<16 W	100 cd
Obelux-100-48-CST	CASA	48 V _{DC}	<16 W	100 cd



Power supplies

- Suitable for all Obelux DC-operated obstacle light products
- Input voltages 115 or 230 V_{AC}
- Output voltages 12, 24 and 48 V_{DC}
- Robust design
- Weight 4 kg
- Dimensions: (L) 348 mm x (W) 205 mm x (D) 115 mm
- 5 years warranty
- IP65

Order code	Input voltage	Max output current	Output voltage	Max output power	Day/night switch	Flash controller
PS-12-05	230 V _{AC}	5 A	12 V _{DC}	72 W	No	No
PS-12-05-PCFL	230 V _{AC}	6 A	12 V _{DC}	72 W	Yes	Yes
PS-24-3A5	230 V _{AC}	3.5 A	24 V _{DC}	84 W	No	No
PS-24-09	230 V _{AC}	9 A	24 V _{DC}	220 W	No	No
PS-24-3A5-PCFL	230 V _{AC}	3.5 A	24 V _{DC}	84 W	Yes	Yes
PS-24-09-PCFL	230 V _{AC}	9 A	24 V _{DC}	220 W	Yes	Yes
PS-48-1A8	230 V _{AC}	1.8 A	48 V _{DC}	90 W	No	No
PS-48-05	230 V _{AC}	5 A	48 V _{DC}	240 W	No	No
PS-48-1A8-PCFL	230 V _{AC}	1.8 A	48 V _{DC}	90 W	Yes	Yes
PS-48-05-PCFL	230 V _{AC}	5 A	48 V _{DC}	240W	Yes	Yes

Customer-specific high power supplies and control systems available.





Fault monitoring and flash controller unit with 4 outputs

- Suitable for all Obelux DC-operated obstacle light products
- Combined photocell, alarm and flash unit for obstacle lights
- Controls four obstacle lights independently
- Available operating voltages 24 or 48 V_{DC}. 12 V_{DC} optional.
- Fault monitoring is based on the measuring of the current consumption of the aviation lamp
- Suitable for offshore use
- Selection of the CSW-unit should be based on the operating voltage and the current consumption of the aviation lamps connected to the unit
- Possible to configure to switch-over (master/ slave) mode
- Suitable also for Obelux 1st generation lights



Key features

- Light unit monitoring and alarm generation in case of malfunction
- Flash and steady burning modes, with several selectable flash modes
- Weight 1.9 kg
- Dimensions: (L) 300 mm x (W) 200 mm x (D) 132 mm
- 5 years warranty
- IP65

Options

- GPS synchronization option in flash modes available
- GSM fault monitoring system available (SMS alarms)
- External photocell (day/night)

Order code	Operating voltage	Output max load	GPS synch.	Flash mode	Internal day/night switch included	External day/night switch available	GSM fault reporting
CSW-24-02-F	24 V _{DC}	4 x 0.5 A	No	Yes	Yes	Yes	No
CSW-24-16-F	24 V _{DC}	4 x 4 A	No	Yes	Yes	Yes	No
CSW-24-02-GPS	24 V _{DC}	4 x 0.5 A	Yes	Yes	Yes	Yes	No
CSW-24-16-GPS	24 V _{DC}	4 x 4 A	Yes	Yes	Yes	Yes	No
CSW-24-02-GSM	24 V _{DC}	4 x 0.5 A	No	Yes	Yes	Yes	Yes
CSW-24-16-GSM	24 V _{DC}	4 x 4 A	No	Yes	Yes	Yes	Yes
CSW-24-02-GSM-GPS	24 V _{DC}	4 x 0.5 A	Yes	Yes	Yes	Yes	Yes
CSW-24-16-GSM-GPS	24 V _{DC}	4 x 4 A	Yes	Yes	Yes	Yes	Yes
CSW-48-02-F	48 V _{DC}	4 x 0.5 A	No	Yes	Yes	Yes	No
CSW-48-16-F	48 V _{DC}	4 x 4 A	No	Yes	Yes	Yes	No
CSW-48-8+1-F	48 V _{DC}	2 x 4 + 2 x 0.5 A	No	Yes	Yes	Yes	No
CSW-48-02-GPS	48 V _{DC}	4 x 0.5 A	Yes	Yes	Yes	Yes	No
CSW-48-16-GPS	48 V _{DC}	4 x 4 A	Yes	Yes	Yes	Yes	No
CSW-48-8+1-GPS	48 V _{DC}	2 x 4 + 2 x 0.5 A	Yes	Yes	Yes	Yes	No
CSW-48-02-GSM	48 V _{DC}	4 x 0.5 A	No	Yes	Yes	Yes	Yes
CSW-48-16-GSM	48 V _{DC}	4 x 4 A	No	Yes	Yes	Yes	Yes
CSW-48-8+1-GSM	48 V _{DC}	2 x 4 + 2 x 0.5 A	No	Yes	Yes	Yes	Yes
CSW-48-02-GSM-GPS	48 V _{DC}	4 x 0.5 A	Yes	Yes	Yes	Yes	Yes
CSW-48-16-GSM-GPS	48 V _{DC}	4 x 4 A	Yes	Yes	Yes	Yes	Yes
CSW-48-8+1-GSM-GPS	48 V _{DC}	2 x 4 + 2 x 0.5 A	Yes	Yes	Yes	Yes	Yes

Suitable for all Obelux country specific light models.

1 channel fault monitoring and flash control unit with master/slave output



- Combined photocell, switch-over (master/slave), alarm and flash unit for obstacle lights
- Controls two obstacle light in switch over (master/slave) mode
- Available operating voltage 10...60 V_{DC}
- Fault monitoring is based on the measuring of the current consumption of the master output
- Selection of the CSW-unit should be based on the operating voltage and the current consumption of the aviation lamps connected to the unit
- Suitable for offshore use
- Light unit monitoring and alarm generation in case of malfunction
- Flash and steady burning modes, with several selectable flash modes
- Suitable also for Obelux 1st generation lights
- Dimensions: (L) 200 mm x (W) 200 mm x (D) 130 mm
- 5 years warranty
- IP65

Order code	Operating voltage	Output max load	GPS sync	Flash mode	Internal day/night switch included	External day/night switch available	GSM fault reporting	Suitable for
CSW-DCW-0A5-F	10...60 V _{DC}	0.5/0.5 A	No	Yes	Yes	No	No	up to 2 LI-series lights
CSW-DCW-02-F	10...60 V _{DC}	2/2 A	No	Yes	Yes	No	No	up to 2 1st generation lights
CSW-DCW-04-F	10...60 V _{DC}	4/4 A	No	Yes	Yes	No	No	up to 2 MI-series lights

External day/night switch (Photocell)



- NOTE! This day/night switch uses the same mechanics as the LI-series obstacle light
- Wide operating voltage range 10...60 V_{DC}
- Overvoltage protection
- Selectable thresholds
- Weight 1.1 kg
- Dimensions: (H) 210 mm x (D) 104 mm
- IP65

Order code	Description
PCE-DCW-F	External photocell for fault monitoring and flash controller units (CSW and LHC)

Stand-alone photocell and flash controller



- NOTE! This day/night switch uses the same mechanics as the 1st generation obstacle light
- Wide operating voltage range 10...60 V_{DC} and 230 V_{AC}
- Overvoltage protection
- Selectable thresholds
- IP65

Order code	Description
PCFL-DC1-TB	Stand-alone photocell and flash controller with max. 8 A load with yellow enclosure, 10...60 V _{DC}
PCFL-230-TB	Stand-alone photocell and flash controller with max. 1 A load with yellow enclosure, 230 V _{AC}

Battery-operated portable lights

ICAO Low Intensity Type A, FAA L-461T



Portable light units

- Battery-operated red or red/blue LED light for temporary marking of obstacles (red light mode) or taxiway edges (blue light mode).
- Mast mounting set available
- Continuous operating time typically 250 h
- Available also with other light colours
- Weight 4 kg
- Dimensions: (L) 210 mm x (W) 175 mm x (D) 135 mm
- 5 years warranty
- IP65

Order code	Colour	ICAO standard	FAA standard	Nominal intensity
10-12-P-R	Red	Type A	-	10 cd
10-12-P-RB	Red/Blue	Type A	L-461T	10/2 cd

Available also with other light colours.



Portable light unit with mounting set

- for 30...100 mm mast structures

Order code	Colour	ICAO standard	FAA standard	Nominal intensity
10-12-P-R-CST	Red	Type A	-	10 cd
10-12-P-RB-CST	Red/Blue	Type A	L-461T	10/2 cd

Obelux IR 850 nm LED obstacle light

- 24 V_{DC} operating voltage
- Suitable for offshore use
- Stabilised light output
- Black anodised aluminium light unit body
- Mounting set and terminal box included
- Galvanized mounting arm
- Acid proof U-bolts and hex nuts
- Clear glass cover
- 5 years warranty

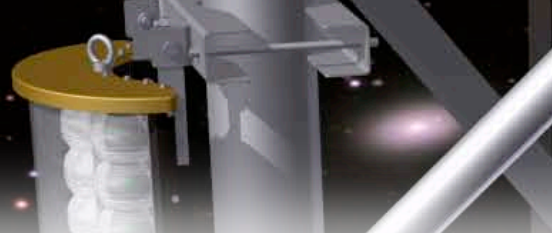


Technical data

- Typical intensity 300 mW/sr
- Colour Infrared 850 nm
- Horizontal radiation pattern 360°
- Vertical radiation pattern -10°...+35°
- Current for the LEDs is stabilised by constant current generator
- Suitable for offshore use
- Expected lifetime > 100 000 h
- IP65
- LEDs are in several separate groups
- Power consumption <10 W

IR 850 nm Order code	ICAO standard	FAA standard	Operating voltage	Current consumption	Power consumption	Nominal intensity	Remark
Obelux IR850-012-CST	-	-	11.5...18 V _{DC}	0.8 A	10 W	300 mW/sr	
Obelux IR850-024-CST	-	-	22.5...28 V _{DC}	0.4 A	10 W	300 mW/sr	
Obelux IR850-115-CST	-	-	115 V _{AC}	-	15 VA	300 mW/sr	
Obelux IR850-230-CST	-	-	230 V _{AC}	-	15 VA	300 mW/sr	

IR 850 nm and Red Order code	ICAO standard	FAA standard	Operating voltage	Current consumption	Power consumption	Nominal intensity	Remark
Obelux IR850-R-012-CST							
IR Section	-	-	11.5...18 V _{DC}	0.8 A	10 W	300 mW/sr	
Red Section	Type B	L-810	11.5...18 V _{DC}	0.95 A	11 W	32 cd	
Obelux IR850-R-024-CST							
IR Section	-	-	22.5...28 V _{DC}	0.4 A	10 W	300 mW/sr	
Red Section	Type B	L-810	22.5...28 V _{DC}	0.5 A	11 W	32 cd	



The company's reference list is plausible: Obelux has customers from many fields of industry, including large governmental and private teleoperators, global mast and chimney manufacturers, international contractor companies, energy companies, national aviation authorities, and many others.

Reference Countries

AT	Austria	KW	Kuwait
AU	Australia	LK	Sri Lanka
BE	Belgium	LR	Liberia
BG	Bulgaria	LT	Lithuania
BJ	Benin	LU	Luxembourg
BN	Brunei Darussalam	LV	Latvia
CH	Switzerland	MA	Morocco
CI	Cote D'Ivoire (Ivory Coast)	MC	Monaco
CS	Serbia & Montenegro	MY	Malaysia
DE	Germany	NL	Netherlands
DK	Denmark	NO	Norway
EE	Estonia	NZ	New Zealand (Aotearoa)
ES	Spain	OM	Oman
FI	Finland	PH	Philippines
FR	France	PK	Pakistan
GB	UK	PL	Poland
GH	Ghana	PT	Portugal
GR	Greece	RU	Russia
HK	Hong Kong	SA	Saudi Arabia
ID	Indonesia	SE	Sweden
IL	Israel	SG	Singapore
IT	Italy	SI	Slovenia
JM	Jamaica	TW	Taiwan
JP	Japan	US	USA
KE	Kenya	VG	Virgin Islands (British)





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Industrial and Building Systems Division
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Poland
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