



RELIABILITY IN
OBSTRUCTION
LIGHTING

A photograph of an industrial facility at night, with a tall stack emitting a bright light. The scene is overlaid with a blue gradient and large, semi-transparent circular patterns. The text "Obstruction lighting for STACK" is prominently displayed in white, bold, sans-serif font over the image.

Obstruction lighting for STACK

www.obsta.com

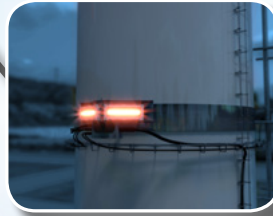
OBSTRUCTION LIGHTING FOR STACK

Stack without red & white stripes 45 to 105 meters high
lights operate Day and night

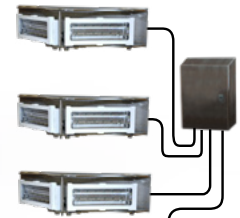
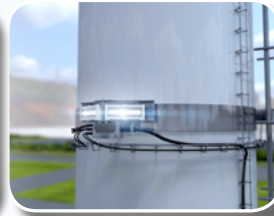


3 LED OBSTAFLASH120 dual color medium intensity
ICAO compliant and L-865 / L-864 FAA ETL verified
below the top to avoid the smoke to hide the lights

RED AT NIGHT



WHITE AT DAY



3 NAVILITE at mid level

RED FIXED AT NIGHT



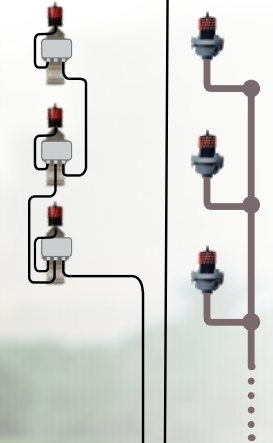
DAY OFF



ICAO
low intensity
type B

Or

FAA L-810
type with
NPT pipe



110-240 VAC power supply and Photocell
at the bottom with or without batteries



Photocell
north oriented



110 to 240 VAC



In order to help you choosing the proper light you need, you will find below the most common configurations.
The recommendations and rules mentioned below are only given for information based on the ICAO recommendations, and ICAO aerodrome design manual.

NIGHT TIME MARKING (Red only)

The night time marking is done with **red obstruction lights**:

- low intensity type A or B (L-810)
- and/or medium intensity type B (L-864)

DAY TIME MARKING (White flashing only)

The day time marking is done with **white flashing obstruction lights**:

- medium intensity type A (L-865)
- or high intensity type A or B (L-856, L-857)
(The use of white flashing light during day time eliminates the need to paint the obstacle with red and white stripes).

DAY AND NIGHT TIME MARKING (White flashing or Dual Color)

The day and night time marking can be realized by using either:

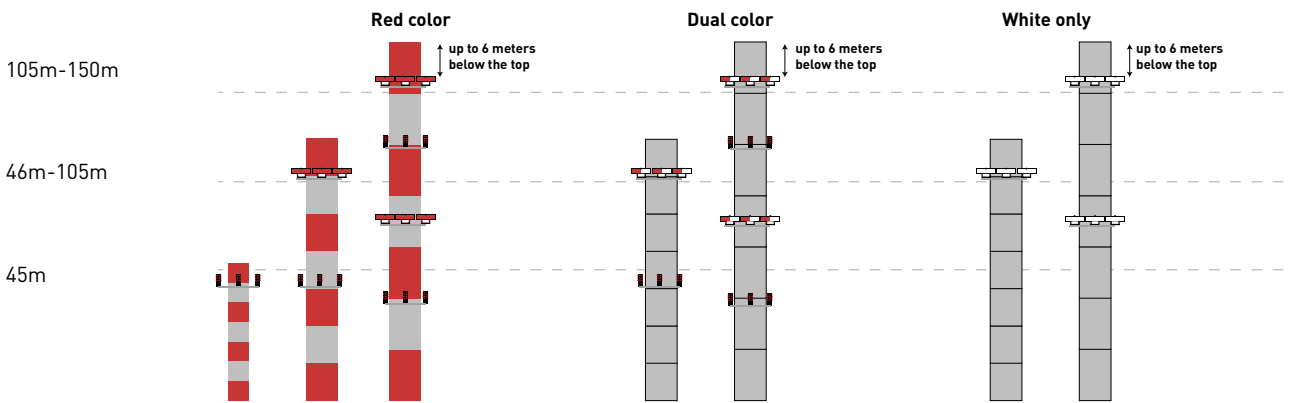
- white medium intensity light working day and night
- dual color lights, white flashing during day time and red during night time

RED OBSTRUCTION LIGHT

Red & white painting of chimney required

DUAL COLOR OR WHITE ONLY OBSTRUCTION LIGHT

Painting not required



Painted stack (red & white stripes) 45 to 105 meters high,
Obstruction lights operate at night only

3 LED OBSTAFASH120 red medium intensity
ICAO compliant and L-864 FAA ETL certified
below the top to avoid the smoke to hide the lights

3 LIGHTS PER LEVEL if the diameter of the chimney is < 6M

4 LIGHTS PER LEVEL if the diameter of the chimney is between 6M & 30M

6 LIGHTS PER LEVEL if the diameter of the chimney is above 30M

RED AT NIGHT DAY OFF

3 NAVILITE at mid level

RED FIXED AT NIGHT DAY OFF

110-240 VAC power supply and Photocell at the bottom with or without batteries

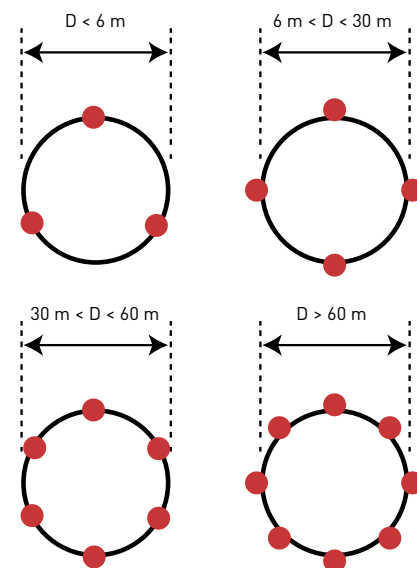
Photocell north oriented

110 to 240 VAC

ICAO low intensity type B Or FAA L-810 type with NPT pipe

ETL US STAC

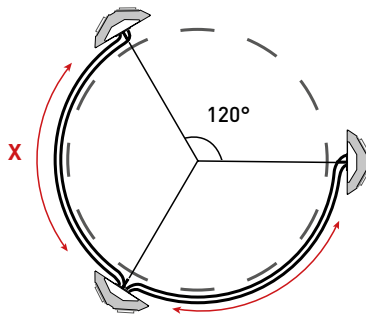
- L-865/L-864 (Dual color medium intensity type A&B)
- L-864 (red only medium intensity type B)
- L-865 (white medium intensity type A)
- L-810 or (Low intensity type B)



3 OBSTAFLASH 120 dual color Medium intensity L-865/L-864



Light arrangement on the stack



X : distance between 2 beacons in meters

Set of 3 L-865/L-864 obstafash120 around the tower with one common power unit

- 3 sets of 2 led replaceable projectors (1kg each) coming with molded cable and plug connected to the power unit
- DC (or AC) stainless power unit with comprehensive luminous indicators
- Test button for day and night
- Dual level Surge Protective Device (AC and DC) for longer life expectancy and improved reliability
- No losing parts

NAVILITE Low intensity type B



Navilite 48 VDC with stainless bracket & Command box

FAA L-810 base

NAVILITE 48 VDC body with a luminous part

- Completely molded ; fully waterproof in extreme weather conditions.
- Bird spike at the top
- 64 leds wired 4 by 4 in active redundancy (no blind spot)

Available with stainless bracket and command card inside a polycarbonate box

- 110-240Vac to 48Vdc converter for 1 to 4 Navilite 48Vdc
- Alarm included
- Surge protection included
- Several configurations with or without redundancy.



Or a base with its mounting bracket for FAA installation (L-810)

- FAA aluminum base with AC power supply inside
- Alarm included
- Surge protection included




Ordering parts

Kit with 3 medium intensity with stainless power cabinet					
ordering part	Power supply	ICAO medium intensity type	FAA medium intensity type	System components	
	113758U	Dual color medium intensity type A and B/C	L-865/L-864, dual color medium intensity	3 dual color obstafash120 + 48VDC cabinet + 120/230VAC cabinet at the bottom	
	113757U	White only medium intensity type A	L-865 white medium intensity		
	113756U	Red only medium intensity type B/C	L-864 red medium intensity	3 red only obstafash120 + 48VDC cabinet + 120/230VAC cabinet at the bottom	
	113712U	Dual color medium intensity type A and B/C	L-865/L-864, dual color medium intensity	3 dual color obstafash120 + 48VDC cabinet	
	113711U	White only medium intensity type A	L-865 white medium intensity		
	113710U	Red only medium intensity type B/C	L-864 red medium intensity	3 red only obstafash120 + 48VDC cabinet	
	113715U	Dual color medium intensity type A and B/C	L-865/L-864, dual color medium intensity	3 dual color obstafash120 + 120/230VAC cabinet	
	113713U	White only medium intensity type A	L-865 white medium intensity		
	113714U	Red only medium intensity type B/C	L-864 red medium intensity	3 red obstafash120 + 120/230VAC cabinet	

*for system requiring 4 to 8 flashheads per level, consult us.

Accessories for medium intensity L-865/L-864 lights		
ordering part	Description	
	113746	GPS (inside cabinet) for wireless synchronisation between cabinet
	100755	Photocell connected to cabinet for white/red and/or change of luminous intensity between day & night

with infrared

NAVILITE for stack lower than 45 meters OR for intermediate side lights between medium intensity red flashing lights					
ordering part	Power supply	ICAO medium intensity type	FAA / low intensity type	System components	
	113969	Low intensity type A & B	L-810	48VDC light fixture +110-230VAC power supply	
	113965	Low intensity type A & B	L-810	48 VDC with surge protection	
	113905	Low intensity type A & B	N/A	48VDC light fixture (junction box 113943 and stainless bracket 113920 to be added)	
	113912	Command box for NAVILITE 48 VDC		External controller for 1-4 navilite 48 VDC	



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LIGHTING

Head Office

OBSTA

2 rue Troyon
92316 Sèvres CEDEX
France
Tél. : +33 1 41 23 50 10
Fax : +33 1 41 23 50 11
e-mail : info@obsta.com
Web : www.obsta.com

Factory

OBSTA

3 impasse de la Blanchisserie
BP 56
51052 Reims CEDEX
France
Tél. : +33 3 26 85 74 00
Fax : +33 3 26 85 74 26

Germany

CITEL Electronics GmbH

Alleestrasse 144, Tor 5
D-44793 Bochum
Germany
Tél. : +49 234 54 72 10
Fax : +49 234 54 72 199
e-mail : info@citel.de
Web : www.citel.de

USA

CITEL Inc.

10108 USA Today Way
Miramar FL33025
USA
Tél. : +1 954 430 6310
Fax : +1 954 430 7785
e-mail : info@citel.us
Web : www.citel.us

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