

BALISOR

High-voltage lines are major hazards for low-flying aircraft. Placing beacons on pylons is not sufficient to ensure safety due to the very long spans of cable (extract of Aerodrom Design Manual chapter 14.7 annex 4).

The BALISOR® system (created by OBSTA in the 60's) is a beacon for high voltage lines. Its conductors take the power required directly from the line.

The system is, therefore, completely self-contained.

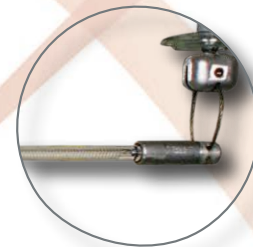
Our standard model of BALISOR® fall into the ICAO low intensity category.

The neon discharge offers :

- inherent generation of «aviation» red light,
- a very long life, essential to continuous operation of highvoltage lines.

Cold neon discharge light

- hard glass envelope and tube
- "aviation" red light
- very long lifetime,
- excellent luminous efficiency
- low power consumption



Fixing accessories

- fixing accessory and capacitive elements in aluminium
- flexible mounting - no rigid fixation
- clamp adapted to the diameter of the cable
- exists with glass insulators or silicon insulators for polluted areas

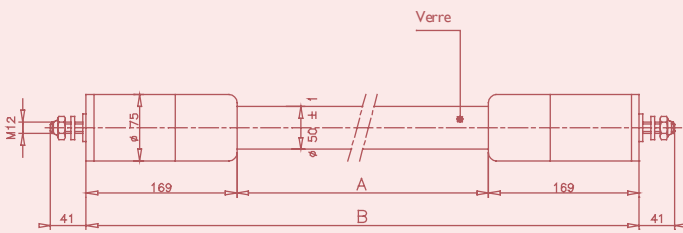


MAIN CHARACTERISTICS

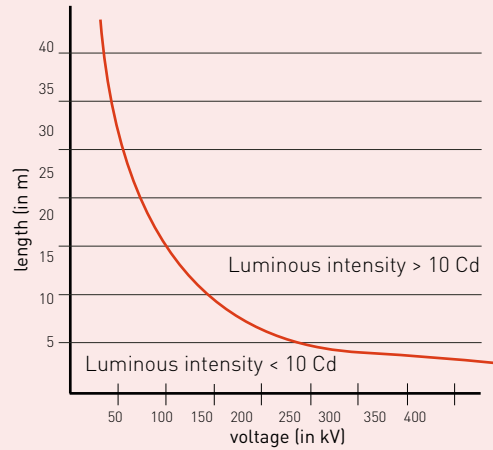
OBSTA part number	Luminous intensity	Voltage of the line	Interference suppression	Typical lifetime
BALISOR lamp ref. 100618 B49	> 10 Cd	60 kV to 550 kV	yes	> 100 000 h.
BALISOR lamp ref. 100616 B33 (for old model)	> 10 Cd	-	yes	> 100 000 h.

ADDITIONAL FEATURES

WEIGHT AND DIMENSIONS (in mm)



Length of the drift depending on the voltage



Type	A	B	Weight
Lamp type B	563 +/- 5	901 +/- 5	4.7 kg
Lamp type B33	376 +/- 5	714 +/- 5	4 kg

Unit weight	Code	Désignation	Number of elements depending on voltage line			
			115 kV	132 kV	220 kV	380 kV and more
0.85 kg	100637	Clamp	7	6	4	3
3.50 kg	100621*	Insulator	7	6	4	3
0.10 kg	100636*	Shunt braid	1	1	1	1
0.50 kg	100628	Simplified auxiliary holder	7	6	-	-
2.00 kg	100631	Lampe holder	-	-	2	2
1.35 kg	100632	Auxiliary tubing holder	-	-	2	1
1.90 kg	100623	Auxiliary tubing	5	4	2	1
0.50 kg	100606	Flexible connector	2	2	-	-
0.50 kg	100624	Lamp end suspender	2	2	-	-
4.70 kg	100618	BALISOR B lamp	1	1	1	1
4.00 kg	100616	BALISOR B33	-	-	-	-

* with silicone insulator :
 - 100621 becomes 100625
 - 100636 becomes 100635

