

High Intensity

OBSTA HI



Extracts from annex 14 ICAO

6.3 3 Recommendation - Where the use of low-intensity obstacle lights, type A or B, would be inadequate or an early special warning is required then medium or high-intensity obstacle lights should be used.

6.3 8 Recommendation - High-intensity obstacle lights, Type A, should be used to indicate the presence of an object if its height above the level of the surrounding ground exceeds 150m and an aeronautical study indicates such lights to be essential for the recognition of the object by day.

Application

Aviation warning system for any obstacle higher than 150 meters that requires day marking such as :

- broadcast transmitting towers,
- microwave repeater towers,
- similar skeletal structures,
- chimneys, cooling towers and all tall structures.

Description

High intensity lighting system is modular : flashheads include optic elements and a controller that drives the total equipment.

This design ensures :

- a choice of the number of flashheads,
- the synchronisation of all the flashes,
- the simultaneous switching mode operation,
- an easy installation with adjustable centreline of the light beam.

The HI lighting system also includes :

- protection against transient overvoltages,
- automatic day/twilight/night switching,
- fault monitoring with digital lamp visualization.

Main Characteristics

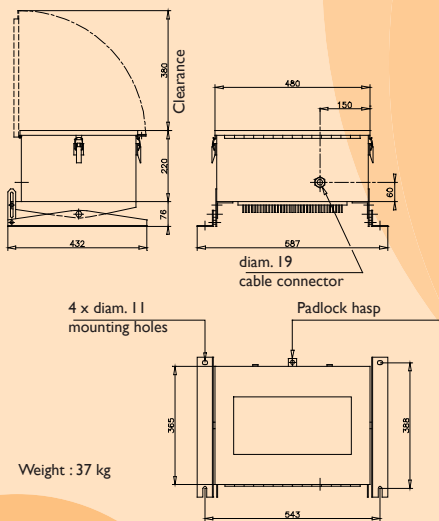
OBSTA part number	Luminous Intensity			Beam spread		Flashes/minute
	Day	Twilight	Night	Site	Azimut	
High intensity	200 000 Cd	20 000 Cd	2000 Cd	+/- 2°	+/- 60°	40

Main supply	Frequency	Power consumption per light	Elevation of flashhead
230 V	50 Hz	< 0,5 kVA	-2° à +8° to the horizontal

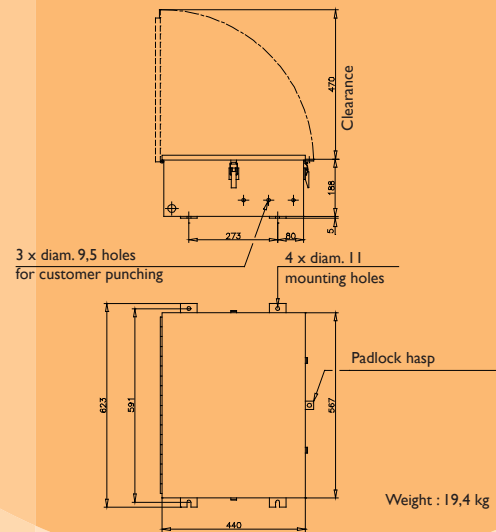
Complementary Characteristics

Weight and Overall dimensions (in mm)

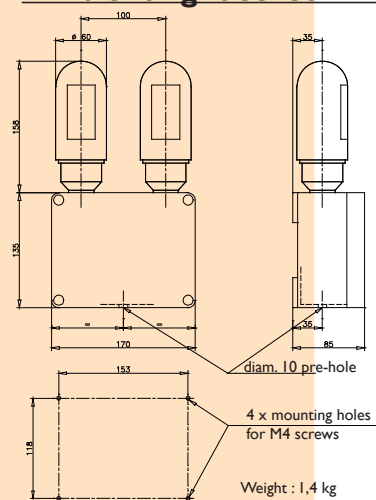
Flashhead HI



Controller HI



Ambient light sensor HI



System elements

Obstruction lighting system 230 V - 50Hz	High intensity	
	Description	Code
Flashhead	white	I3621
Control cabinet with day/twilight/night switch	supplied 230VAC	I3625
Spare flashtube assy	xenon type	I3631

Other characteristics

- quartz flashtube especially manufactured,
- «weathertight» stainless steel enclosures (in vertical position),
- «plug-in» modular construction with plated contact surfaces,
- coated printed circuits cards protect solid state circuitry,
- built-in surge arrester,
- one controller for the whole installation,
- fault indicator in the controller (up to 32 flasheads),
- safety interlock in both flashhead,
- day/twilight/night automatic switch.

Options

Inquire for other configurations.