

Heliport System of Azimuth Guidance for Approach (SAGA) Model: CM-HT12/SAGA

Product Description

The SAGA system includes two light units (one Master and one Slave) placed symmetrically on both sides of the Runway (or TLOF) threshold supplying unidirectional rotating beams which give a flashing effect.

Application

The SAGA(System of Azimuth Guidance for Approach) provides a combined signal of approach azimuth guidance and threshold identification.

Operation principle

The SAGA system includes two light units (one Master and one Slave) placed symmetrically on both sides of the Runway (or TLOF) threshold supplying unidirectional rotating beams which give a flashing effect.

The pilot receives

each second illumination of two “Flashes” provided in sequence by the two light units.

- When the aircraft flies inside a 9° width angular sector, centered on the approach axis, the pilot sees the two lights “flashing” simultaneously.
- When the aircraft flies inside a 30° width angular sector, centered on the approach axis and outside the previous one, the pilot sees the two lights “flashing” with a variable delay (60 to 330 ms) according to the position of the aircraft in the sector. The further the aircraft is from the axis, the greater the delay. The delay between the two “flashes” produces a sequence effect that shows the direction of the axis.
- The visual signal is not visible when the aircraft flies outside the 30° angular sector.

Key Feature

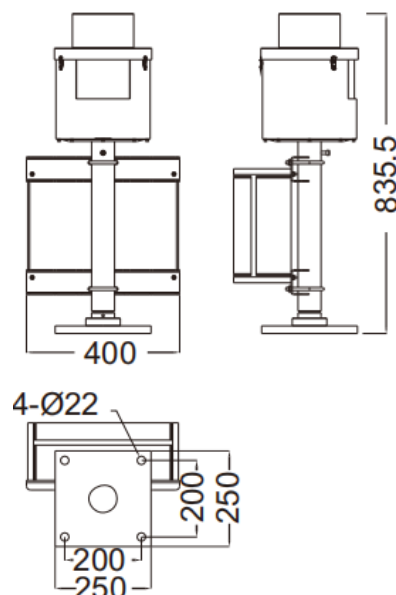
- Safe operation: The SAGA system is automatically stopped when at least one of its light units is out of service. A signal is available for monitoring this default status in the control room.
- Easy maintenance: Very easy access to the lamp and all terminals. No special tools are required.
- Brilliancy levels: The remote control of three brilliancy levels is possible for better visual comfort for the pilot (no dazzling).
- Efficiency: Coupled with a PAPI, the SAGA system supplies the pilot with the security and the comfort of an Optical “ILS”.
- Climate: In order to maintain operation even in very cold and/or wet areas, the light units of SAGA are equipped with heating resistors. Additions of red filters (option) provide the SAGA system with the option of emitting red Flashes corresponding to the fly exclusion zone due to obstacles.



Specification:

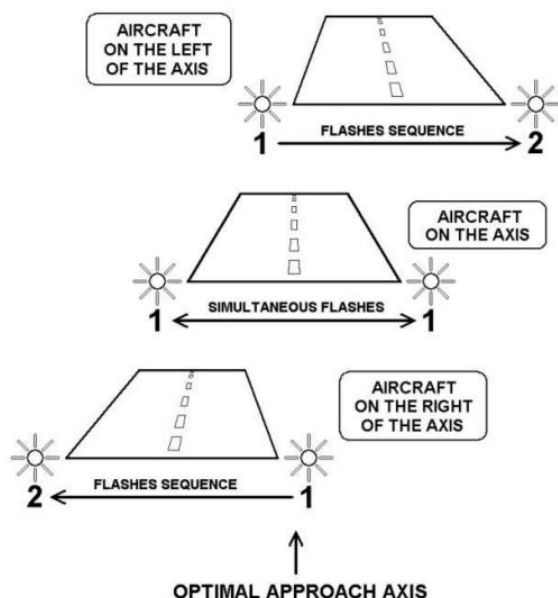
Item	Parameter
Model	CM-HT12/SAGA
Operating voltage	DC48V (Other available)
Power consumption	≤250W
Delay between flashes	From 60 to 300 ms
Axis accuracy	+/- 0.45 degree in azimuth
Light Intensity	2500cd
Light Source	LED
Light Source Lifespan	100,000,000times.
Emitting Color	White
Ingress Protection	IP65
Operating temperature	-40°C~55°C
Wind Load	80m/s
Weight	50 kg
Overall Dimension (mm)	320*320*610mm
Quality Assurance	ISO9001:2015

Dimmension:



Impact on the environment and energy: none

SAGA for RUNWAY



SAGA for TL

