

COMPLIANCE WITH

- ICAO Annex 14, Volume I, Obstruction Light Medium Intensity Type A
- FAA AC No. 150/5345-43, L-865
- DGAC Mexico

APPLICATION

- Telecommunication Tower
- TV/Radio Tower
- Transmission Tower
- High-rise building
- Industrial Chimney
- Cooling Tower
- Tower Crane
- Bridge
- Wind turbine
- Airport
- Oil&Gas offshore platform

DESCRIPTION

F865 is a white LED medium intensity aircraft warning light generally used on unpainted tall structures more than 45 meters. F865 flashes white light at 20,000cd at daytime and will be automatically decrease intensity to 2,000cd at nighttime, complying with FAA L-865 and ICAO medium intensity type A.

F865 white medium intensity obstruction light flash head consists of two tiers of white OSRAM LEDs. Internal control module controls intensity–auto–switch and independent flashing rate for the two tiers.

F865 white medium intensity LED obstruction light can work either with REDDOT controller for external controlling and monitoring or come with self-controlled configurations (photocell, alarm contacts, GPS, GPRS) to work independently as an economical solution.

DC self-controlled F865 white medium intensity beacon consists of a self-controlled DC(48VDC/24VDC/12VDC) F865 flash head only;

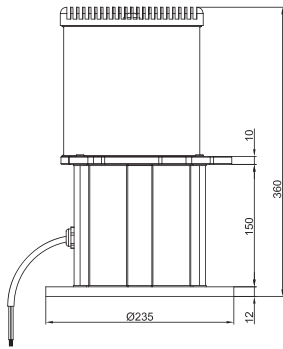
AC self-controlled F865 white medium intensity beacon consists of a self-controlled 48VDC F865 flash head and a 960W power converter box.

FEATURES

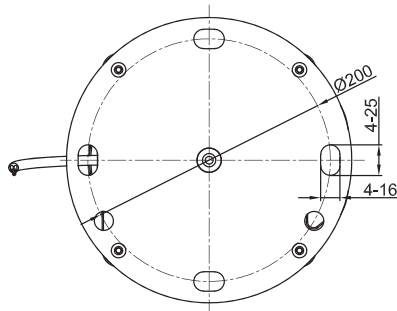
- Super-bright OSRAM LEDs reliable light source ensures long lifespan
- Optimized optical Lens design provides excellent optic distribution for complying ICAO medium intensity type A and FAA L-865
- White flashing 20,000cd at day and auto decrease to 2,000cd at night
- Internal LED driver and constant current regulator make the light illuminate steadily
- Built-in self-controlling program so it will flash as a stand-alone fixture when controller failed
- Aluminum heatsink provides excellent thermal dissipation performance
- Aluminum base with powder painted provides good weather and corrosion resistant
- Protective vent for balancing pressure and prevent from water condensation
- Excellent shock and vibration resistant
- GE polycarbonate optical lens, UV-stabilized
- Acrylic outer lens, UV-stabilized, high temperature resistant
- Built-in 20KA surge protector module to protect the light from induction lightning strike
- With a handler on light shoulder make carry easier
- Prewired cable makes wiring job easier
- Polarity reverse protection
- Overvoltage protection and shortcut protection



◀ 960W power box for AC input



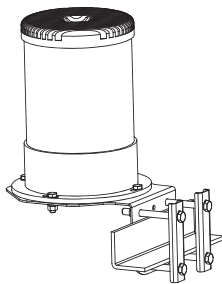
SIDE VIEW



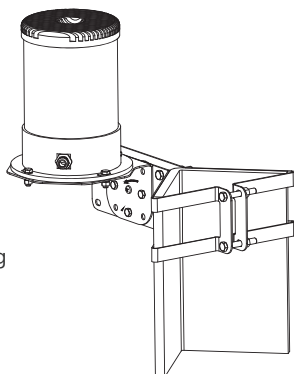
BOTTOM VIEW

BRACKET OPTIONS

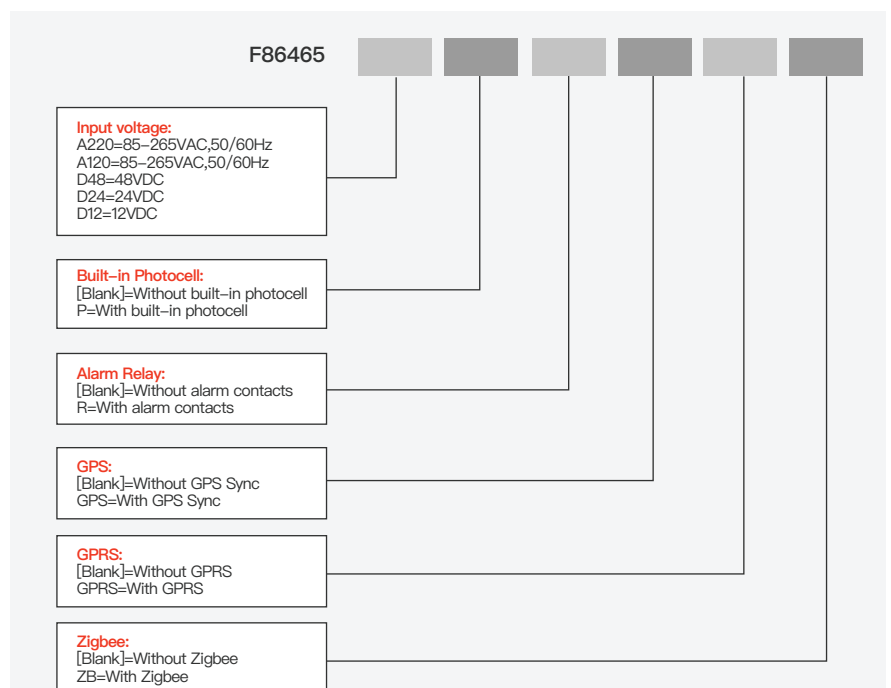
Horizontal Mounting



Vertical Mounting


SPECIFICATION

LIGHT OUTPUT	
Effective Intensity	20,000cd+25% at day 2,000cd+25% at night
Vertical beam	3.5°
Horizontal Spread	360°
Light Source	Osram LEDs
LED Color	White
LED Lifespan	100,000 Hours
OPERATION	
Flash Pattern	20–60FPM
POWER SUPPLY	
Input Voltage	85–265VAC,50/60Hz; 48VDC;24VDC;12VDC
Power Consumption	620W@day;310W@night
MECHANICAL STRUCTURE	
Lens	Polycarbonate, UV Stabilized
Body	Die-casting Aluminum
Mounting	Four 16*25mm slot holes on bottom 200 mm PCD
Protection	IP67
Net Weight	8KG
Temperature	-40C°~+80C°
Relative Humidity	100% with condensation
Dimension(W*H)	235mm*360mm

ORDERING CODE

For example:

- F865A120PGPS=LED medium intensity white obstruction light, 85–265VAC, white flashing 20,000cd at day, white flashing 2000cd at night, with built-in photocell, with GPS sync, with a power box