

Description



The SYCBA model **SYC-2000-MAC** is a high-performance **medium-intensity type AC obstruction light**, designed for marking tall structures such as wind turbines, towers, meteorological masts, chimneys, broadcast masts, bridges, and buildings. The model provides a dual-mode illumination with a 20,000 candela (cd) flashing white light for daytime and a 2,000 cd steady red light for nighttime use.

The unit utilizes high-efficiency LEDs along with optical lenses to provide high-intensity illumination while optimizing energy consumption and extending its operational lifespan. Its body is made from anodized aluminum alloy with a powder-coated finish, ensuring excellent resistance to corrosion.

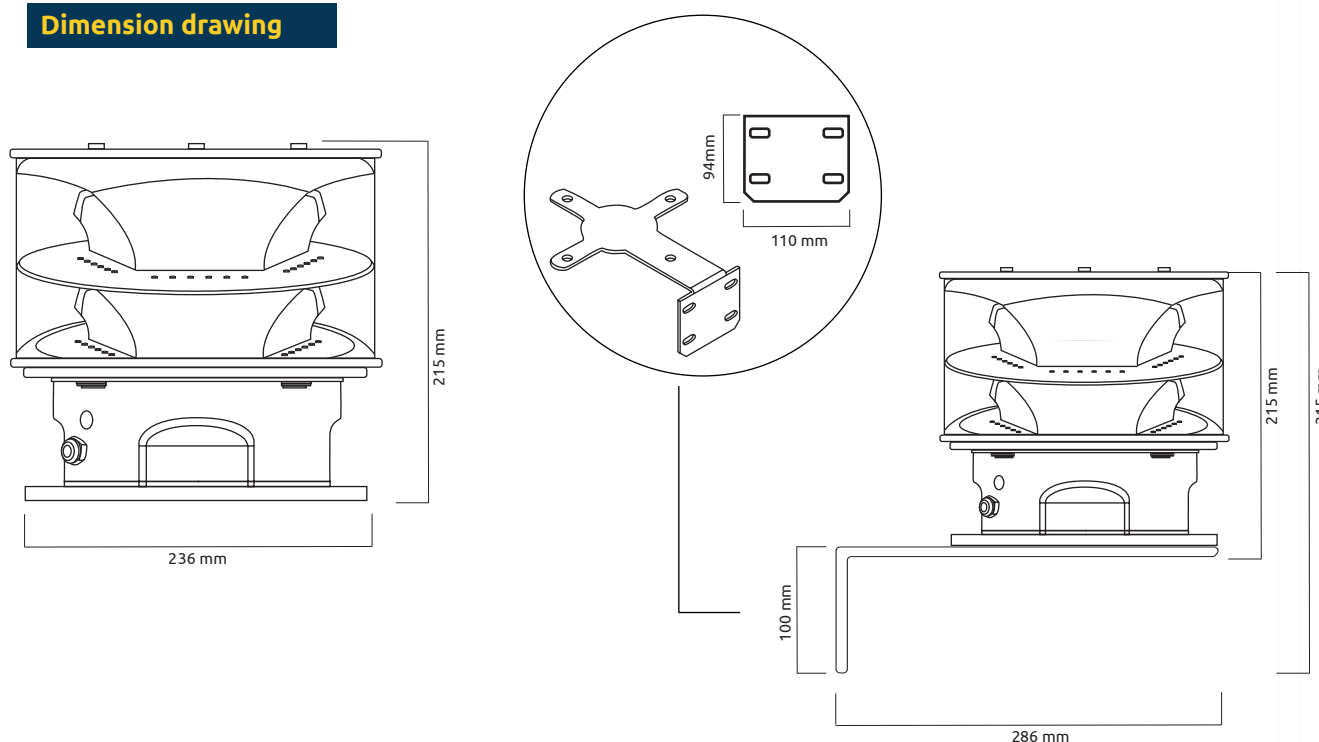
The protective shell is fabricated from polycarbonate, a high-strength, impact-resistant material with UV stabilization to ensure durability and performance under extreme environmental conditions. The entire assembly is fully encapsulated and IP66 rated, offering robust protection against ingress of dust and water. For ease of installation, the light is provided with a mounting bracket.

Options

The SYCBA model SYC-2000-MAC comes with an integrated switch allowing users to customize the flash rate to 20, 40, or 60 flashes per minute (fpm), with 20 fpm set as the default. Optional features include a twilight sensor and/or GPS synchronization.

For monitoring and managing power consumption, the SYCBA MONITOR is available. For additional details or to inquire about these options, please contact SYCBA directly.

Dimension drawing



Specifications

Model	SYCBA Light
Code	SYC-2000-MAC
FAA compliance	L-864/810
ICAO compliance	MIOL type AC
DC Power supply option	12-48 VDC (24V by default)
AC Power supply options	110-240 VAC
Working mode	Flashing 20, 40, 60 fpm (20 fpm by default)
Light Intensity	20.000 cd (white, day); 2.000 cd (red, night)
Vertical beam	3°
Horizontal beam	360°
Light Color	White (day); red (night)
Power consumption	6.5W (20fpm, day); 18W (steady)
Operating Temperature	-50 °C to 70°C
IP Protection	IP66
Weight	4.7 kg (including mounting bracket)

Usage Notice

Connect only to a power supply system within the rated parameters, otherwise the equipment could be damaged. After its installation and adjustment, the device must be verified. To avoid any leaks, the O-ring must be correctly tightened using the shell screws.

To prevent any major complication and/or injuries, only trained personnel should carry out the maintenance.

Please follow all the country-specific regulations while working with the device, also, be advised of the next safety guidelines:

1. Disconnect all power supplies
2. Secure against re-connection
3. Ascertain the voltage-free operation
4. Carry out earthing and short-circuiting
5. Isolate all adjacent live parts