

Unravelling ICAO Obstruction Regulations

Understand which combination of lights and control system are suitable for your application

Part 3 of 7

In [Part 1](#) and [Part 2](#), we identified the principles of ICAO Obstruction Lighting Regulations.

In Part 3 we look at solutions specifically for Telecommunications Towers.



Scan the QR Code for more information on the ICAO Obstruction Lighting range.

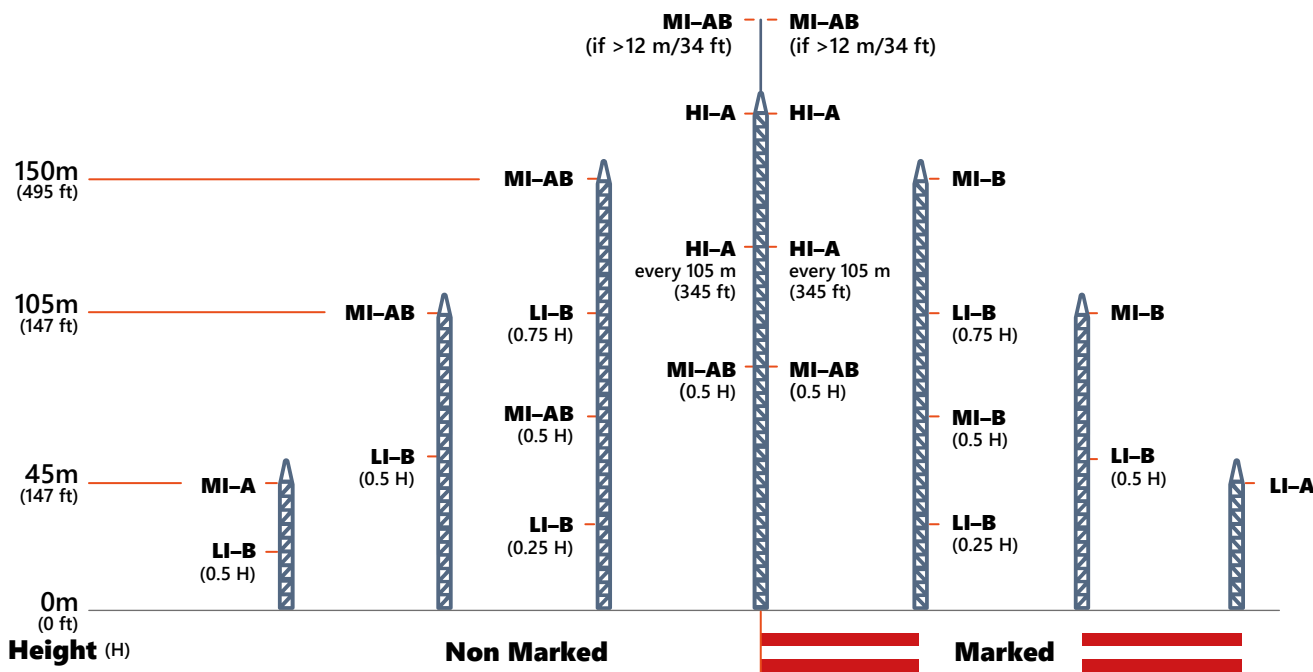


Application:

Telecommunication Towers

Telecommunication Towers use a combination of ICAO Obstruction lighting. The key consideration for this application is if the tower is marked.

A tower with red and white markings simplifies your lighting requirements. The next lighting consideration is the height of your tower.



0 – 45 m (0 – 147 ft)

- **Non-marked towers** in this height range utilise Medium-Intensity Type A lights at the top, and Low-Intensity Type B lights in the middle.
- **Marked towers** only require Low-Intensity Type A lights at the top.

45 – 105 m (147 – 345 ft)

- **Non-marked towers** in this height range utilise Medium-Intensity Type A and B (combined) lights at the top and Low-Intensity Type B lights in the middle.
- **Marked towers** utilise Medium-Intensity Type B lights at the top and Low-Intensity Type B lights in the middle.

105 – 150 m (345 – 495 ft)

- **Non-marked towers** in this height range utilise Medium-Intensity Type A and B (combined) lights at the top and middle, with Low-Intensity Type B lights placed at the quarter and three-quarter points of the tower.
- **Marked towers** require Medium-Intensity Type B lights at the top and middle, with Low-Intensity Type B lights placed at the quarter and three-quarter points of the tower.

>150 m (>495 ft)

- **Non-marked and marked towers** in this height range utilise High-Intensity Type A lights at the top and Medium-Intensity Type A and B Lights in the middle, alternating based on the height.
- An additional tier of lighting is required every 105 m (345 ft).
- If it has a top mast over 12 m (34 ft) high, an additional Medium Type A and B light fixture is required on top.