

**SINALIZAÇÃO PARA TORRES DE ENERGIA EÓLICA**



WT150E-1F864 Medium Intensity Aviation Obstruction Lighting System for wind turbines

**Obstruction Lighting Arrangement**

- One red medium intensity obstruction light (FAA L-864 type/ICAO MIOL-B type) is placed on top of the nacelle, red flashing 2,000cd±25% at nighttime.
- All red beacons with built-in GPS module in a wind farm for flashing synchronously
- For turbines with a height less than 150m, not all turbines in a wind farm need to be illuminated. It depends on the location within a wind turbine farm.

**Key Points**







- Night**  
Operation Time
- Red**  
Illumination Color
- 1 level**  
OB Levels
- Medium Intensity**  
Intensity Type
- Electric powered**  
Power Type

**Standard Reference**

- ICAO Annex 14 Volume I 2018, Chapter 6
- FAA 70/7460-1L, Red Obstruction Lighting for wind turbines, A23-A27

**Options**

- Built-in photocell, External photocell, Control box**  
Control Type
- Optional**  
GPS
- Through built-in dry contacts in OB lights, Through dry contacts in control box**  
Alarm Via
- Battery backup box for DC OB system, UPS backup box for AC OB system**  
Backup Power

 <p><b>WT315E-2F864XOL200 Medium-Low Intensity Aviation Obstruction Lighting System for wind turbines</b></p>	<p><b>Obstruction Lighting Arrangement</b></p> <ul style="list-style-type: none"> <li>• Two units of medium intensity red obstruction lights are at the top of the turbine nacelle, red flashing 2000cd±25%</li> <li>• At least three units of OL200 low intensity single obstruction light are at midway between the top of the nacelle and ground level</li> <li>• All medium intensity and low intensity lights in the wind turbine come with built-in GPS module, for flashing synchronously at 30FPM (±3fpm)</li> <li>• All turbines at the height of 210-315m should install L-864 medium intensity lights and L-810F low intensity lights, regardless of their location within a wind turbine farm.</li> </ul> <p><b>Key Points</b></p> <ul style="list-style-type: none"> <li> <b>Night</b> Operation Time</li> <li> <b>Red</b> Illumination Color</li> <li> <b>2 levels</b> OB Levels</li> <li> <b>Medium Intensity + Low Intensity</b> Intensity Type</li> <li> <b>Electric powered</b> Power Type</li> </ul> <p><b>Standard Reference</b></p> <ul style="list-style-type: none"> <li>• ICAO Annex 14 Volume I 2018, Chapter 6</li> <li>• FAA 70/7460-1L, Red Obstruction Lighting for wind turbines, A23-A27</li> </ul> <p><b>Options</b></p> <ul style="list-style-type: none"> <li> <b>Built-in photocell, External photocell, Control box</b> Control Type</li> <li> <b>Optional</b> GPS</li> <li> <b>Through built-in dry contacts in OB lights, Through dry contacts in control box</b> Alarm Via</li> <li> <b>Battery backup box for DC OB system, UPS backup box for AC OB system</b> Backup Power</li> </ul>
	<p><b>Obstruction Lighting Arrangement</b></p> <ul style="list-style-type: none"> <li>• Two red medium intensity obstruction lights (FAA L-864 type/ICAO MIOL-B type) are placed</li> </ul>








**WT210E-2F864 Medium Intensity Aviation Obstruction Lighting System for wind turbines**

on top of the nacelle, red flashing 2,000cd+25% at nighttime.

- With built-in GPS module, the two red beacons on one wind turbine (150-210m) and all beacons in a wind farm are able to flash synchronously.
- All turbines at the height of 150-210m should be installed two red medium intensity obstruction lights, regardless of their location within a wind turbine farm.





### Key Points

-  **Night**  
Operation Time
-  **Red**  
Illumination Color
-  **1 level**  
OB Levels
-  **Medium Intensity**  
Intensity Type
-  **Electric powered**  
Power Type

### Standard Reference

- ICAO Annex 14 Volume I 2018, Chapter 6
- FAA 70/7460-1L, Red Obstruction Lighting for wind turbines, A23-A27

### Options

-  **Built-in photocell, External photocell, Control box**  
Control Type
-  **Optional**  
GPS
-  **Through built-in dry contacts in OB lights, Through dry contacts in control box**  
Alarm Via
-  **Battery backup box for DC OB system, UPS backup box for AC OB system**  
Backup Power