

HIGH VOLTAGE POWER LINES

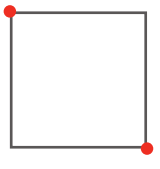
Guidelines for night lighting

Electricity is transported via high voltage power lines. These power lines are supported by lattice or truss towers.

Points to consider when lighting high-voltage power lines (ICAO example):

- The number of light levels is determined by the height of the structure
- The width of the structure determines the number of lights to be installed at the top and at each light level

Structure height	Levels & lighting type
< 45m	1 level: • Low intensity obstruction lights
45m – 105m	2 levels: • First/lower level: low intensity • Top level: medium intensity
105m – 210m	4 levels: • First (lower) level: low intensity • Second level: medium intensity • Third level: low intensity • Fourth/top level: medium intensity

Structure	Number of lights per level
Lattice tower 	<ul style="list-style-type: none"> • Lights should retain the general definition of the object • 1 or 2 obstruction lights should be used at each level

Standards and Regulations:

Obstruction light standards and regulations vary depending on your location. Here are some examples:

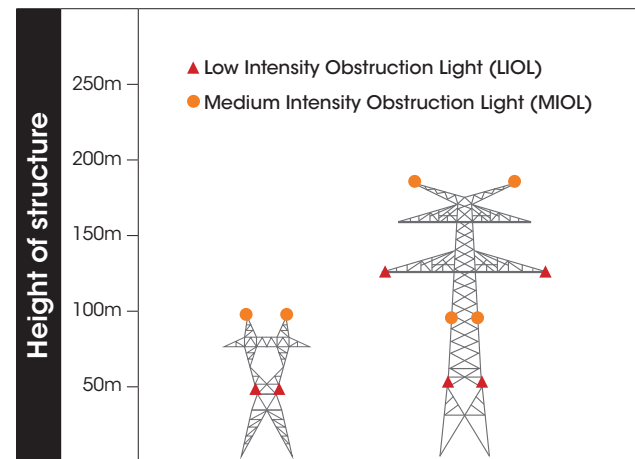
ICAO (International Civil Aviation Authority) is a specialized agency of the United Nations.

FAA (Federal Aviation Administration) is the national aviation authority of the United States.



Transport Canada is Canada's civil aviation authority.

CASA (Civil Aviation Safety Authority) is responsible for the safety of civil aviation in Australia.

The information in this publication is a guide only. Please contact your local authority for rules and regulations particular to your region.



Obstruction light examples

	<ul style="list-style-type: none"> • Low Intensity Obstruction Light • ICAO LIOL Type A & Type B, FAA L-810 or CSA CL-810 model • Red, steady-on
	<ul style="list-style-type: none"> • Low Intensity Obstruction Light • CASA model • Red, steady-on
	<ul style="list-style-type: none"> • Medium Intensity Obstruction Light • ICAO MIOL Type B, FAA L-864 or CSA CL-810 model • Red, flashing

Note: Avlite has an extensive range of obstruction lighting, contact your Avlite representative for additional models suitable for your application