

# Obstruction LED Lighting

## ICAO



### Red LED Systems: Medium Intensity ICAO Type B/Type C

#### Features & Benefits

- Integrated controller
- 5 year warranty
- Universal 120-240 VAC input
- Controller can be mounted at the base of the structure
- Wide temperature range: -40°C to +55°C
- Configurable flash rates (20, 30, or 40 flashes per min)
- Ability to operate lights in steady or flashing mode
- Optional infrared light fixtures
- Light weight design
- Low power consumption
- IP66 rated light fixtures
- Impact and vibration resistant
- Provision for padlock on the enclosure
- Dry contacts for alarm monitoring/status
  - Photocell alarm
  - Light alarms
  - Operation mode (day/night)
- Largest Controller can control and monitor maximums of:
  - Twelve (12) Medium Intensity ICAO Type B/Type C and
  - Twenty Four (24) Low Intensity ICAO Type B/Type E
- Verified to meet CASA requirements under Manual of Standards Part 139 - Aerodromes



### Dual (Red/White) LED Systems: Medium Intensity ICAO Type A/Type B

#### Features & Benefits

- Infrared (IR) version available for improved visibility to Night Vision Goggles
- Optional Ethernet/Cellular based remote monitoring/control system available
- Ability to flash side markers
- Integrated controller with LCD back-lit display
- 5 year warranty
- Universal 120-240 VAC input or +/- 48 VDC input
- Controller can be mounted at the base of the structure
- Wide temperature range: -40°C to +55°C
- Light weight design
- Low power consumption
- IP66 rated light fixtures
- Impact and vibration resistant
- Provisions for padlock on the enclosure
- Dry contacts for alarm monitoring/status
  - Photocell alarm
  - White mode alarm
  - Power fail
  - Light alarms
  - Red mode alarm
  - Communication
  - Operation mode (day/night)
  - Sync alarm



### White LED Systems: Medium Intensity ICAO Type A

#### Features & Benefits

- Integrated controller with LCD back-lit display
- Optional Ethernet/Cellular based remote monitoring/control system available
- 5 year warranty
- Universal 120-240 VAC input or 48 VDC input
- Controller can be mounted at the base of the structure
- Wide temperature range: -40°C to +55°C
- Light weight design
- Low power consumption
- IP66 rated light fixtures
- Impact and vibration resistant
- Provisions for padlock on the enclosure
- Dry contacts for alarm monitoring/status
  - Photocell alarm
  - White mode alarm
  - Power fail
  - Light alarms
  - Communication
  - Operation mode (day/night)
  - Sync alarm



### High Intensity LED Systems: ICAO Type A

#### Features & Benefits

- Integrated controller
- 5 year warranty
- Universal 208-277 VAC input
- Controller can be mounted at the base of the structure
- Wide temperature range: -40°C to +55°C
- Low power consumption
- IP66 rated light fixtures
- Impact and vibration resistant
- Provision for padlock on the enclosure
- Dry contacts for alarm monitoring/status
  - Photocell alarm
  - White mode alarm
  - Power fail
  - Red mode alarm
  - Communication
  - Operation mode (day/night)
  - Sync alarm

# Obstruction LED Lighting

## ICAO



### Vigilant LED Based ICAO Type A

#### High Intensity (White / Red) Strobe

<b>Effective Intensity:</b>	White Day – 200,000 cd White Twilight- 20,000 cd White or Red Night- 2,000 cd
<b>Wattage:</b>	White day - 160W White twilight - 30W White Night - 23W Red Night - 30W
<b>Input Voltage:</b>	208-277 VAC



### Vigilant LED Based ICAO Type A/Type B

#### Medium Intensity (White/Red) Strobe - Infrared (IR) available

<b>Effective Intensity:</b>	White Day- 20,000 cd White Night- 2,000 cd Red Night- 2,000 cd
<b>Wattage:</b>	White Day- 36W (system = 75W) White Night- 4W (system = 10W) Red Night- 12W (system = 25W)
<b>Input Voltage:</b>	120-240 VAC or +/- 48 VDC



### Vigilant LED Based ICAO Type B/Type C

#### Medium Intensity (Red) Beacon - Infrared (IR) available

Verified to meet CASA requirements under Manual of Standards Part 139 - Aerodromes

<b>Effective Intensity:</b>	2,000 cd
<b>Wattage:</b>	3.3W (16.7% duty circle) - standard 7.0W (16.7% duty circle) - IR model 20 flashes per minute with 0.5 sec. on time
<b>Input Voltage:</b>	120-240 VAC or 24-48 VDC



### Vigilant LED Based ICAO Type B/Type E

#### Low Intensity (Red) RTO Side Light - Infrared (IR) available

<b>Effective Intensity:</b>	32.5 cd
<b>Wattage Range:</b>	1.5-9.0W
<b>Input Voltage:</b>	12-48 VDC, 120-240 VAC, 277 VAC



### Vigilant LED Based ICAO Type B/Type E

#### Low Intensity (Red) Side Light

<b>Effective Intensity:</b>	32.5 cd, 50 cd, 10 cd
<b>Wattage Range:</b>	13-24W
<b>Input Voltage:</b>	12-48 VDC, 120 VAC, 230 VAC