

AVIALITE®

Illumination through Imagination ✈

Compact - Lightweight - Robust - Reliable

ICAO Medium Intensity Type B



RED LED

Mi-2KP Series



Auto ON / OFF

ICAO Medium Intensity
ICAO Type B (Flashing)



Optional



DESCRIPTION

AVIALITE Mi-2KP Series is a flashing Medium Intensity LED obstruction beacon.

Mi-2KP fulfills **ICAO Medium Intensity Type B**, FAA L-864, CAAM ASD 404 and SIRIM test requirements:

- Effective luminous Intensity: 2,000 cd

APPLICATIONS

- :: Tall Buildings
- :: Wind Turbines, Bridges
- :: Cranes, Pylons and Chimneys
- :: Power Transmission Towers
- :: Telecommunication Towers and all structures that require Medium Intensity Obstruction lights especially tall structures in the aviation traffic corridors

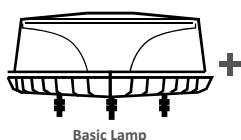


FEATURES

- :: High brightness LED light source
- :: Expected LED bulb life exceeds 100,000 hours
- :: Weather proof Lamp (IP67), corrosion & chemical resistant
- :: Crystal clear PMMA automotive grade lens resist UV & yellowing
- :: Compact, light weight, highly resistant to shocks & vibrations
- :: Excellent heat dissipation for optimum LED performance
- :: Built tough for longer service life

PRODUCT BENEFITS

- :: Install with ease on site with minimum tools and manpower
- :: Virtually maintenance free operation and design
- :: Low wind drag and unobtrusive
- :: Ultra low operation cost, quick ROI



S = Photo Sensor



A = Alarm Relay



Sync = Sync flash

Optional Features

OPTICAL CHARACTERISTICS

ICAO Type	(Flashing) ICAO Medium Intensity Type B
Colour	LED Source 80 LED cluster Red color
Effective Luminous Intensity	2,000 Candela (cd)
Vertical Beam Spread	>3°
Horizontal Beam Spread	360° omni-directional

POWER

Operating Voltage	AC/DC AC 90-264V AC or DC 48V
Surge Protection	>4KA surge protection (lamp only) 48VDC >13KA AC >40KA for Control Panel units

OPERATING CONDITIONS

Temperature	-20°C to +85°C
Current Leakage Test	<10 μ A (micro Ampere)
Ingress Protection	IP67 (Lamp) IP55 (Control Panel) certain models only
Vibration Resistance	Resistant to shock and vibration

SPECIFICATIONS

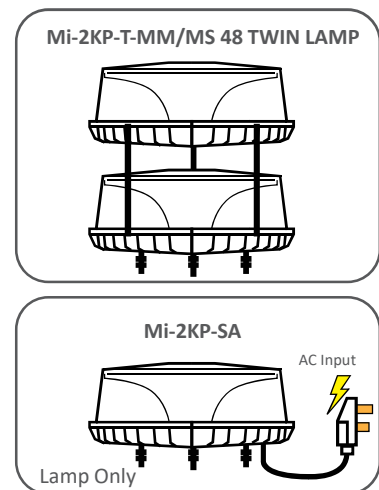
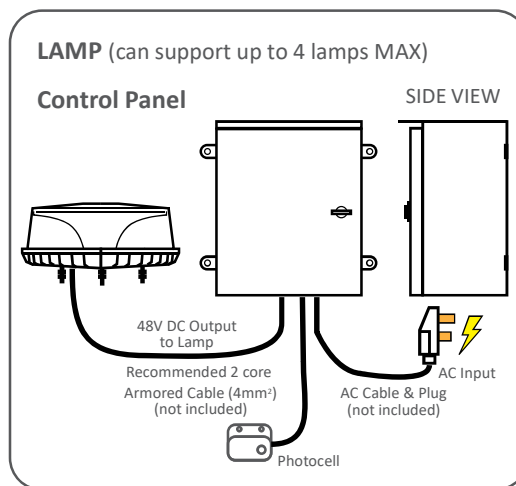
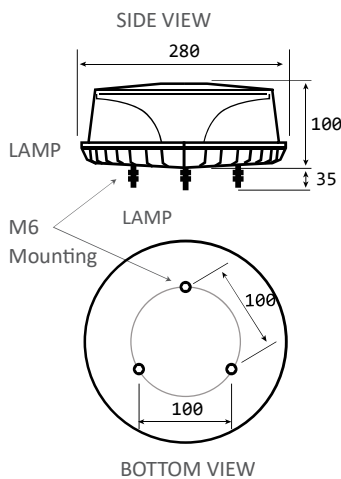
Sensor	Photocell, Auto ON/OFF of lamp
Light sensor sensitivity	Ambient light < 50 Lux (\pm 10%) = Lamp 'ON' > 50 Lux (\pm 10%) = Lamp 'OFF'
Flashing Rate	Adjustable flash rate: 20-40 fpm (flash per minute) (Applicable for Control Panel units only) Default: 25 fpm
GPS Sync Flashing (Optional)	Supports multi lamp flashing using GPS synchronization (Wireless) NOTE: GPS feature may not work as intended in areas with high Radio Interference
Synchronized Flashing (Optional)	Supports multi lamp flashing synchronization (Wired) (applicable for +CP Series)
Alarm Relay Conditions (Optional)	For remote monitoring of: A. Incoming supply failure B. Lamp failure
Lamp Failure Alarm Output	1. NO (Normally Open) 2. Com (Common) 3. NC (Normally Closed) Normally Open or Normally Closed mode monitoring

DIMENSIONS & WEIGHT

LAMP

Height	100mm (including mounting bolt)
Diameter	280mm
Weight	2kg

Dimensions



Features			Specifications			Control Panel Specification													
Model	Operating Voltage	Frequency	Basic	Sensor	Alarm	Flashing	Type	Colour	Intensity	Power	Running Current	VA	Operating Condition	Sensor	Alarm	Flashing	Synchronize	GPS Synchronize	
Mi-2KP48V DC	NA	TRUE	FALSE	FALSE	FALSE	FALSE	Mi-B	Red	2000 cd	5W (avg)	1.2 A	1.2 A	With CP	Yes	Yes	Yes	Optional		
Mi-2KP-SA	120-240V AC	50-60Hz	FALSE	TRUE	TRUE	TRUE	FALSE	Mi-B	Red	2000 cd	5W (avg)	1.2 A	1.2 A	Standalone	Yes	Yes	Yes		
Model	ICAO Medium Intensity			Voltage			Effective Brightness			Avg Power			VA			Description			
Mi-2KP+CP	Type B	(Flashing)			90-264V AC OR 48V DC			2,000 cd			5W			1.2 A			+ Control Panel (+ SENSOR +ALARM + wired multi lamp Sync)		
Mi-2KP-SA (Lamp Only)	Type B	(Flashing)			90-264V AC			2,000 cd			5W			1.2 A			+ SENSOR + Alarm (Ambient Light for AUTO ON/OFF)		
Mi-2KP48V DC (Lamp Only)	Type B	(Flashing)			48V DC			2,000 cd			5W			1.2 A			+ SENSOR,		
Mi-2KP-T-MM-48	Type B	(Flashing)			48V DC			2,000 cd			10W			1.2 A					
Mi-2KP-T-MS-48	Type B	(Flashing)			48V DC			2,000 cd			5W			1.2 A					