

AVIALITE®

LED LIGHTING INNOVATION ✈

Compact - Lightweight - Robust - Reliable

ICAO Medium Intensity Type B



RED LED

Mi-2KP Series



Auto ON / OFF

ICAO Medium Intensity
ICAO Type B (Flashing)

2000cd Aviation Red	90% Power Savings	2kg Super LTP	AC&DC Powered	Surge Protection	IP67 Protection	Solid State Tech	20-60F Flashing / Min
Optional							
Sensor Photo Sensor	Alarm Alarm Relay	Sync Multi Lamp Sync	GPS Sync Multi Lamp Sync				

DESCRIPTION

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

Mi-2KP fulfills ICAO Medium Intensity Type B and FAA L-864 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

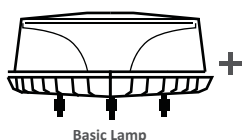


FEATURES

- :: 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
- :: Excellent 1 to 1 product swap policy (Terms & Condition apply)
- :: Built tough for long 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



Optional Features

Sensor	+	Alarm	+	20-60F	+	Sync	+	GPS Sync
S = Photo Sensor		A = Alarm Relay		F = Flashing Type		Sync = Sync flash		GPS = GPS Sync flash

OPTICAL CHARACTERISTICS

ICAO Type	(Flashing) ICAO Medium Intensity Type B
Colour	LED Source 44 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 90-132V AC / 180-264V AC or DC 48V
Surge Protection	>3KA surge protection

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

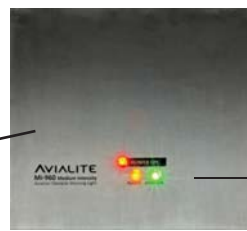
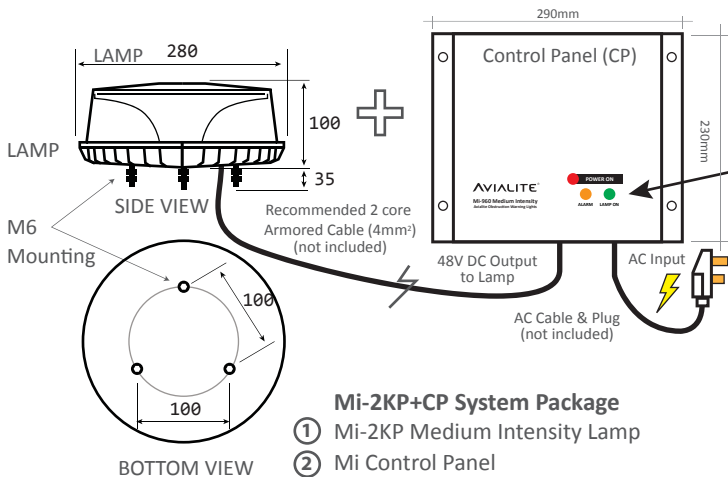
Sensor	Photocell, Auto ON/OFF of lamp
Light sensor sensitivity (Optional)	Ambient light < 50 Lux (\pm 10%) = Lamp 'ON' > 50 Lux (\pm 10%) = Lamp 'OFF'
Flashing Rate	Adjustable flash rate: 20-60 fpm (flash per minute) Default: 25 fpm
GPS Sync Flashing (Optional)	Supports multi lamp flashing using GPS 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. Power 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



Rain Resistant Control Unit (IP55)

- 1 Power "ON" AC mains input is ON
- 2 Alarm "ON" indicates an alarm condition
- 3 Lamp "ON" lamp is working

Model	ICAO Medium Intensity	Voltage	Effective Brightness	Avg Power	Description
Mi-2KP+CP	Type B (Flashing)	90-132/ 180-264 AC	2,000 cd	6W	+ Control Panel (+ SENSOR +ALARM + wired multi lamp Sync)
Mi-2KP-S	Type B (Flashing)	48V DC	2,000 cd	3W	+ SENSOR (Ambient Light for AUTO ON/OFF)
Mi-2KP-SA	Type B (Flashing)	48V DC	2,000 cd	3W	+ SENSOR, + Alarm



DEPARTMENT OF CIVIL AVIATION
MALAYSIA

OBSTACLE LIGHTS CERTIFICATE

ASD404/CERT/017/2017

AVIALITE SDN BHD
NAME OF PRODUCT DISTRIBUTOR

This Certificate is issued pursuant Airport Standards Directive 404 [ASD404], published under the provision of Section 24o of Civil Aviation Act 1969 [Act 3], to certify that the obstacle lights offered by Distributor **AVIALITE SDN BHD** has complied with the requirements of Airport Standards Directive 404 and Annex 14 Vol. I to the Convention on International Civil Aviation pertaining to obstacle lights of the following Type Code[s] –

- i. DCA/L/A Model no.
- ii. DCA/L/B Model no.
- iii. DCA/M/A Model no.
- iv. **DCA/M/B Model no. Mi – 2KP Series**
- v. DCA/H/A Model no.
- vi. DCA/H/B Model no.

The Authority may suspend, revoke or vary this Certificate at any time if the above listed obstacle lights fails to comply with the requirements of Airport Standards Directive 404 and Annex 14 Vol. I.

This Certificate shall remain in effect from the date of issue until **31 December 2018**.

.....
DIRECTOR OF AIRPORT STANDARDS
DEPARTMENT OF CIVIL AVIATION MALAYSIA

21 November 2016
DATE OF ISSUE



SIRIM QAS International Sdn.Bhd. (410334-X)
No.1, Persiaran Dato' Menteri, Section 2, P.O.BOX 7035,
40700 Shah Alam, Selangor Darul Ehsan, Malaysia.
Tel: 03-55446252
Fax: 03-55446272
www.sirim-qas.com.my

TEST REPORT

REPORT NO.: 2014EEB0660

PAGE : 1 OF 10

This Test Report refers only to samples submitted by the applicant to SIRIM QAS International Sdn. Bhd. and tested by SIRIM QAS International Sdn. Bhd. This Test Report shall not be reproduced, except in full and shall not be used for any purpose by any means or forms (including but not limited to advertising purposes) without written approval from the Managing Director, SIRIM QAS International Sdn. Bhd. Please refer the last page for Conditions Relating to the Use of Test Report.

Applicant : **AVIALITE SDN. BHD.**
21, Jalan PBS 14/3, Taman Perindustrian Bukit Serdang,
43300 Seri Kembangan, Selangor Darul Ehsan, MALAYSIA.

Manufacturer : **AVIALITE SDN. BHD.**
21, Jalan PBS 14/3, Taman Perindustrian Bukit Serdang,
43300 Seri Kembangan, Selangor Darul Ehsan, MALAYSIA.

Product : **MEDIUM INTENSITY AVIATION OBSTRUCTION LIGHT**

Reference Standard / Method of test : **IES LM 79-08**
(Electrical and Photometric Measurement of Solid-State Lighting Product)

Description of Sample

Brand Name	: AVIALITE
Model / Type	: Mi-2KP-S
Rating	Voltage : 240 VAC
	Current : 1.0 A
	Effective Luminous Intensity : 2000 cd (Candela)

Date Received of Complete Application : 08 SEPTEMBER 2014

Job No. : J20142120656

Overall Test Result : (See Page 3 for details)

Issued Date : 02 FEBRUARY 2015

Approved Signatory,

(MOHD FIRDAUS MOHD YASIN)
Testing Executive



(SHARIFAH JUSOH)
Head

Electrical and Electronics 2 Section
Testing Services Department