

AVIALITE®

LED LIGHTING INNOVATION ✈

Compact - Lightweight - Robust - Reliable

ICAO Medium Intensity Type A



WHITE LED

Mi-20KP Series



Auto ON / OFF

ICAO Medium Intensity
ICAO Type A (Flashing)

20k cd White	90% Power Savings	2kg Super LHT	AC 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-20KP Series is a flashing Medium Intensity LED obstruction beacon.

Mi-20KP fulfills ICAO Medium Intensity Type A

- Effective luminous Intensity: 20,000 cd White light

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 (e.g. near airports)

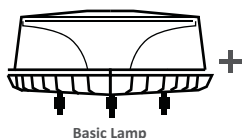


FEATURES

- :: High brightness LED light source
- :: Expected LED bulb life exceeds 100,000 hours
- :: Weather proof Lamp (IP67), corrosion & chemical resistant
- :: Fully hermetically encapsulated circuits & components
- :: Compact, light weight, highly resistant to shocks & vibrations
- :: Crystal clear PMMA automotive grade lens resist UV & yellowing
- :: 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 Photo Sensor	+	Alarm Alarm Relay	+	20-60F Flashing / Min	+	Sync Multi Lamp Sync	+	GPS Sync Multi Lamp 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 A
Colour	LED Source 60 LED cluster White color
Effective Luminous Intensity	20,000 Candela (cd)
Vertical Beam Spread	>3°
Horizontal Beam Spread	360° omni-directional

POWER

Operating Voltage	AC 120 or 277V (±10%) or DC 48
Surge Protection	>20KA surge protection

OPERATING CONDITIONS

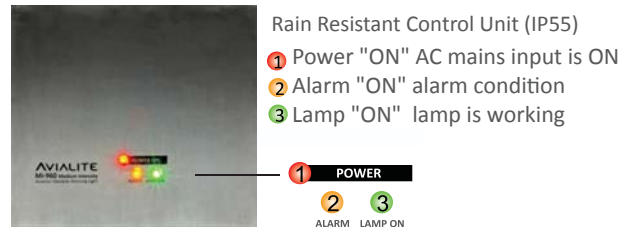
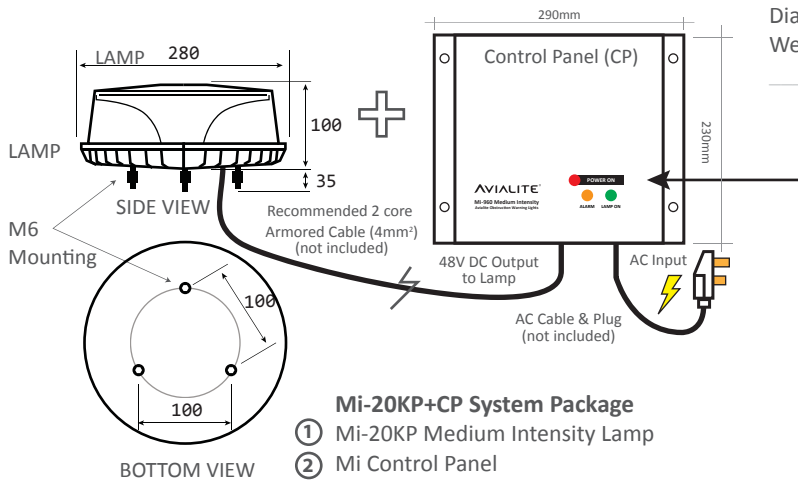
Temperature	-20°C to +85°C
Current Leakage Test	<10 μ A (micro Ampere)
Ingress Protection	IP67 (Lamp) IP65 (Models with Control Panel)
Vibration Resistance	Resistant to shock and vibration

SPECIFICATIONS

Sensor	Photocell, Auto ON/OFF of lamp
Light sensor sensitivity (Optional)	Ambient light < 50 Lux (±10%) = Lamp 'ON' > 50 Lux (±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" alarm condition
 - 3 Lamp "ON" lamp is working

Model	ICAO Medium Intensity	Voltage (±10%)	Effective Brightness	Azvg Power	Description
Mi-20KP-S	Type A (Flashing)	48V DC	20,000 cd	15W	+ SENSOR (Ambient Light for AUTO ON/OFF)
Mi-20KP-SA	Type A (Flashing)	48V DC	20,000 cd	15W	+ SENSOR + ALARM
Mi-20KP+CP	Type A (Flashing)	90-132/ 180-264 AC	20,000 cd	15W	+ Control Panel (+ SENSOR +ALARM + wired multi lamp Sync)



DEPARTMENT OF CIVIL AVIATION
MALAYSIA

OBSTACLE LIGHTS CERTIFICATE

ASD404/CERT/027/2017

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. Mi-20KP Series**
- iv. DCA/M/B Model no.
- 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**.

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DIRECTOR OF AIRPORT STANDARDS
DEPARTMENT OF CIVIL AVIATION MALAYSIA

19 January 2017
DATE OF ISSUE