

Features / Benefits

- Base on LED-technology
- Extremely reliable - long lifetime
- Very low power consumption
- Solar power
- Stabilised light output
- Resistant to shock and vibration
- Lightweight and small - low wind load factor
- Easy to install
- Absolutely no RF-radiations

Specifications Met

- ICAO (International Civil Aviation Organization)
International Standards and Recommended Practices
Aerodrome Design and Operations
Annex 14 Volume 1, Fourth Edition, July 2004
Chapter 6 : Low Intensity, Type A Fixed Obstacle Light



Alpha[®] LIA.1.S

Application

- Designed for steady burning, this fixture is used to mark any obstacle that may present hazard to aircraft navigation and used where the object height above the surrounding ground level is less than 45 meters.

Optical Characteristics

- Intensity better than 10 cd
- Colour aviation red
- Horizontal radiation pattern 360°
- Vertical radiation pattern 20°
- Fixed light pattern - night use only

Electrical Characteristics

- LEDs in 4 separate groups
- Nominal operating voltage 12 V_{DC}
- Power consumption less than 4 W
- Operating voltage range 9 ... 18 V_{DC}
- 20 Wp Solar Module complete with controller
- 18 Ah Photovoltaic Battery
(standby for 3 cloudy days)
- Wire 2 core 0.75 mm², length 2 x 3 meters

Mechanical Characteristics

- Durable injection moulded UV-stabilised polycarbonate
- Yellow colour
- Weather protection to IP 67
- Operating temperature range -30°C ... +65°C

MUSTIKA ALAM SEJAHTERA Co., Ltd.

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Order code : Alpha[®] LIA.1.S



OPERATING VOLTAGE

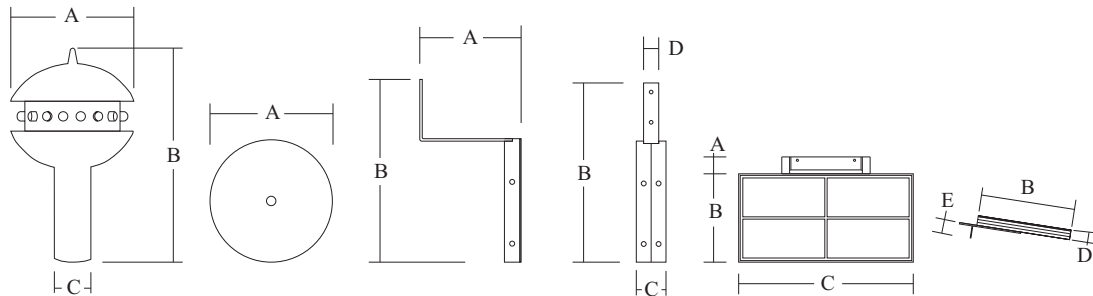
12 V_{DC}



CAUTION ! LED RADIATION

DO NOT STARE INTO LED BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.

MECHANICAL DATA

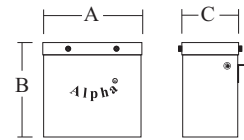


LIA.1.S

BRACKET

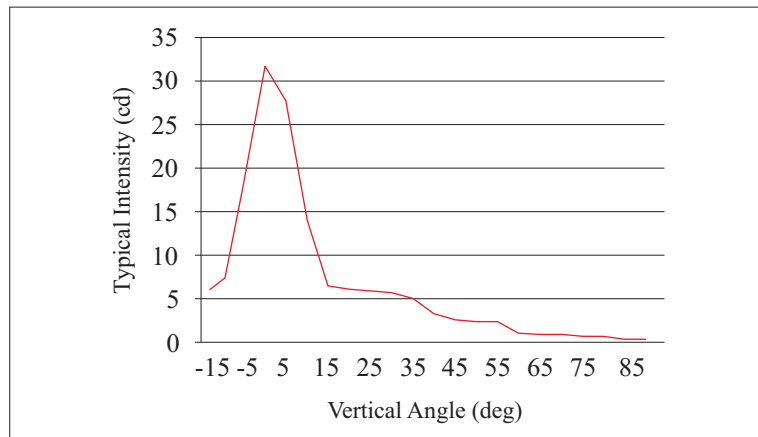
20 Wp SOLAR MODULE

	DIMENSION (mm)					WEIGHT (kg)
	A	B	C	D	E	
LIA.1.S	130	220	35	-	-	1.05
BRACKET	150	296	52	25	-	0.55
20 Wp SOLAR MODULE	65	340	672	36	50	2.6
BATTERY	234	223	134	-	-	9



BATTERY

PHOTOMETRIC DATA



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