

IRDM

Illuminated Runway Distance Marker



Compliance with Standards

CAAC: MHT 6011
ICAO: Annex 14, Volume I
FAA: AC 150/5345-44

Application/Use

Illuminated Runway Distance Markers indicate the distance to the end of the active runway to the pilot.

Features

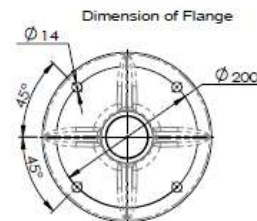
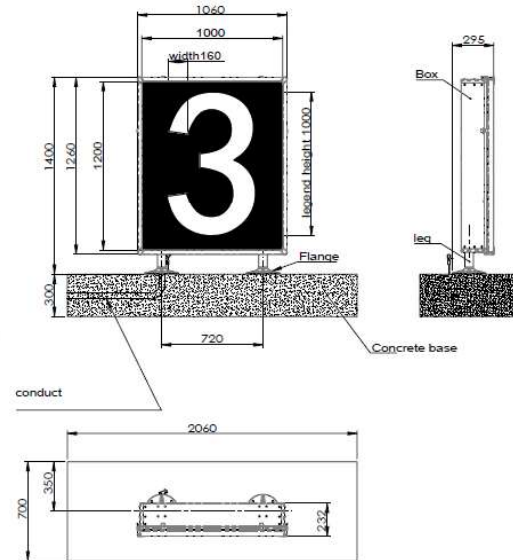
- Forms of characters, chromaticities and luminance, uniformity ratio in accordance with the provisions of ICAO Annex 14
- The LED bar is featured by long working life, energy conversation, maintenance-free, which brings enormous economic benefits to customers
- Top brand LED and proprietary driver circuit, which greatly improves the reliability and service life of light fixture
- LED driver unit accommodates to 5 steps brightness regulation, with variations of light intensity less than 5%
- Strict LED color management to ensure premium color consistency and purity
- Internal reflection lighting ensures more even luminance without shadows
- 4.5mm-thick panel made of polycarbonate material, which contains UV-resistant layers and is also impact and abrasion resistant
- Aluminum frame structure with support pillar goes through the sign's interior, rigid construction, durable and wind resistant
- Multiple waterproof structures with high level of ingress protection
- Modular design of driver circuit, easier to maintain
- Driver circuit integrated with surge protection function and over-heat protection module to enhance reliability
- Power factor of above 0.9 in all 5 brightness steps
- EMI in accordance with FAA requirements, certified to FCC Part15 Class A standard
- Tool-free detachable front panels, convenient for daily cleaning and maintenance
- Frangible couplings with precision machining, complying with FAA requirements, which ensures stable and reliable performance
- The main body is made of aluminum alloy with anti-corrosion treatment, all fasteners are made of stainless steel, suitable for harsh environment application
- Standard chains to prevent signs which have broken from their mounting from blowing away
- Large flange to improve the sign's capability of gust resistances

Ordering Information

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* Please provide detailed legend info and specific content, parts and accessories should be ordered separately specific with order no.

Installation



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Technical Requirements

- 1) The face is white legend on black background, height of 1200 mm and legend height of 1000 mm, and the final number should be determined by the user.
- 2) The sign should withstand 60 m/s wind load and 90 m/s wind load where the sign may be exposed to jet air. The outrigger is made of Ø 60mm aluminum alloy and the mounting dimensions are shown in Fig.
- 3) The metal components such as label box, leg and flange are connected reliably and form a good electrical path.
- 4) The marking line is introduced by the outrigger or by the bottom hose of the sign.
- 5) The foundation should be concrete pouring not less than C20.
- 6) The marker plate is usually mounted on a prefabricated cement base and fixed with M10 stainless steel expansion screws.
- 7) Dimension in this drawing is in mm.