IDENTIFICATION BEACON

According to **Annex 14 of ICAO regulations, Aeronautical Beacons should be provided at airports intended for use at night.**

An Identification Beacon shall be provided where the airport, due to the location or high background luminance, cannot be easily identified from the air, by other identification means.
The light **displays a green or yellow flashing light in the International Morse Code that identifies the airport. ICAO or IATA Airport Letters can be used.**

IDENTIFICATION BEACON

Patented heat dissipator for optimum cooling

Borosilicate glass cover protection

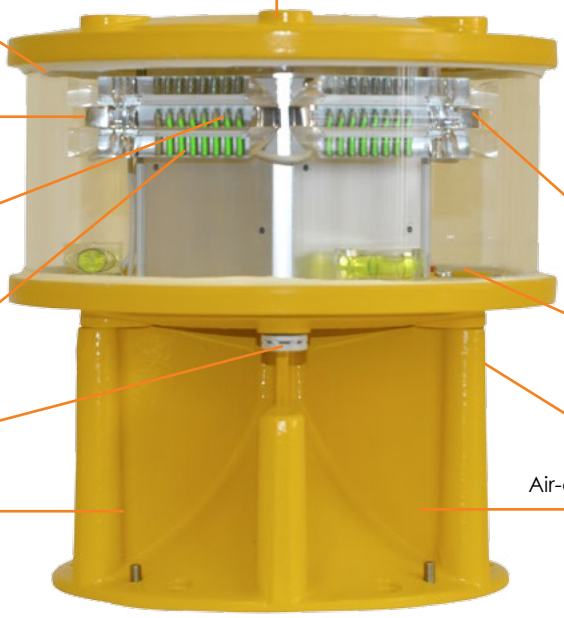
Stabilised light output: 2.000cd

Standard circuits or TWIN*

Optimized optical lens

Anti-condensation Gore-Tex valve

Anodised aluminium body



- Based on LED technology
- GREEN flashing light

Spirit level

Power connector
PLUG&PLAY: IP68/69k

Air-cooling system for +65% heat dissipation

NOTE: electronic beacon driver in a separate enclosure

***as option**

IP66

PATENTED

The IDB-LXS Aeronautical Identification Beacon is **compliant and tested as fully compliant to ICAO rule.**

With a compact body, high quality and **ultra-bright LEDs, customized lenses and patented shape for optimum light emission and beacon cooling** the IDB-LXS light is one of the most **up-to-date and technologically advanced Aeronautical Beacons.**

This LED beacon is designed to be controlled from a separate local control panel: a huge **advantage in terms of increased life-time and suitable for all environments** (beacons can withstand extreme weather conditions) and in terms of **easy maintenance** (maintenance or periodic checks on electronic components can be done at ground level or at an easily accessible level).

CERTIFICATION

CE

COMPLIANCE

ICAO

FEATURES

BASE AL | COVER BOROSILICATE | -30°C +50°C | IP66 | ON | SELF extinguishing | GORA-TEX | LED SMD | CD >2.000 | up to 80m/s² | Photometric Test | tested at 240km/h (150mph)

TYPICAL APPLICATION

STL INTERNATIONAL

ICAO AERONAUTICAL BEACONS

IDENTIFICATION BEACON TECHNICAL SPECIFICATIONS

OPTICAL FEATURES

- Based on LED technology
- GREEN light 2.000cd, night mode
- Airport IATA/ICAO Morse Code Flash
- Horizontal beam radiation 360°
- Vertical beam spread -3° +1°
- PMMA lens
- Light output alignment device

LIGHT MECHANICAL FEATURES

- Anodised aluminium body, painted yellow
- Borosilicate glass cover protection
- Silicon rubber, VMQ
- Base wind collector and internal heat sink for optimum cooling
- Degree of protection: IP66
- Anti-condensation Gore-Tex valve
- Operating temp.: -30°C to +50°C
- Lamp unit weight: 6kg

PANEL MECHANICAL FEATURES

- Enclosure material: mild steel, painted RAL 7035
- Surge arrester
- Fault alarm
- Photocell (twilight sensor)
- Overvoltage protection

ELECTRICAL FEATURES

- Power supply from separate control panel
- Suitable for 24Vdc or 115/230Vac power supply
- LED fed at constant current
- No RF - Radiations

OPTIONS

- Beacon support bracket
- GPS (Global Position System) syncro
- Yellow flashing light for water aerodromes
- TWIN version: two separate LED circuits in the same fixture (normal + stand-by)

APPLY TO

- Airports intended for use at night and that can not be easily identified from the air by other means;
- Used to specifically identify the presence of an aerodrome.

CERTIFICATIONS

- ICAO test report (EN 17025 Laboratory) NR. 466-QL19-R02
- CE marking

COMPLIANCE

- ICAO Aerodromes -Annex 14 Volume 1, Par. 5.3.3 "Aeronautical Beacon"

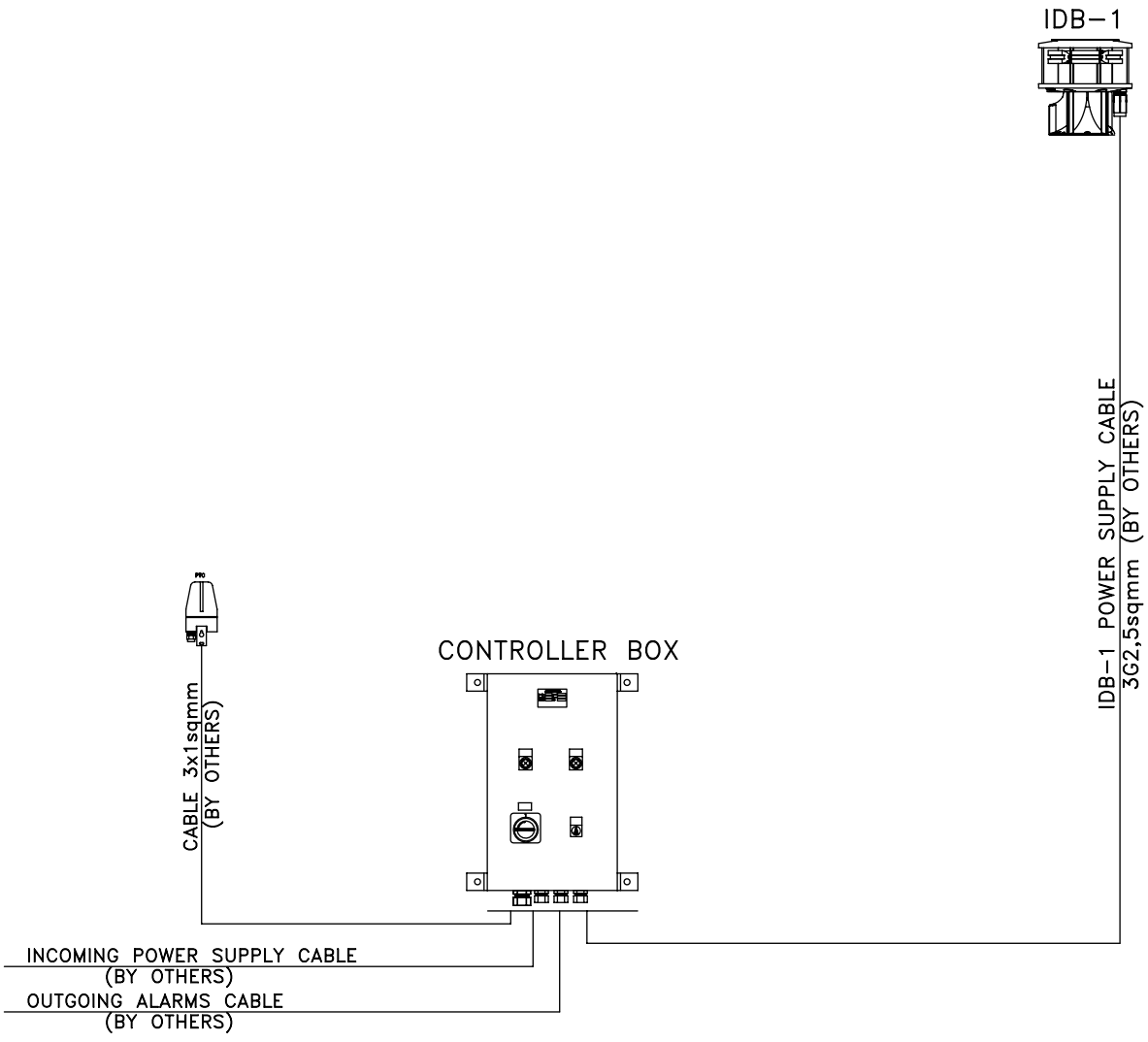
PART NUMBER

- **IDB-LXS-IATA-AIRPORT CODE* 230VAC**
- **IDB-LXS-IATA-AIRPORT CODE** 24VDC**
- **IDB-LXS-ICAO-AIRPORT CODE*1 230VAC**
- **IDB-LXS-ICAO-AIRPORT CODE**1 24VDC**

* Example: Identification beacon for Amsterdam Airport, part number will be: IDB-LXS-IATA-AMS-230VAC
** Example: Identification beacon for John F. Kennedy Intl., part number will be: IDB-LXS-IATA-JFK-24VDC
*1 Example: Identification beacon for Malpensa Airport, part number will be: IDB-LXS-ICAO-LIMC-230VAC
**1 Example: Identification beacon for Madrid Barajas Airport, part number will be: IDB-LXS-ICAO-LEMD-24VDC

ICAO AERONAUTICAL BEACONS

IDENTIFICATION BEACON TECHNICAL DRAWING

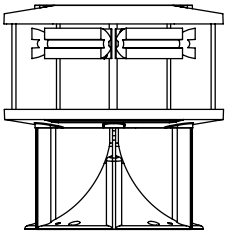


ICAO AERONAUTICAL BEACONS

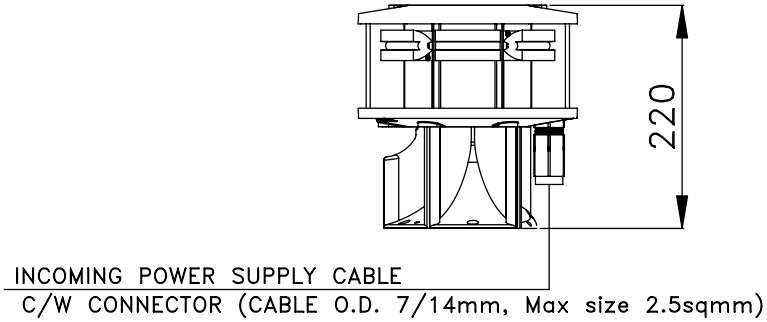
IDENTIFICATION BEACON TECHNICAL DRAWING

BEACON DETAIL

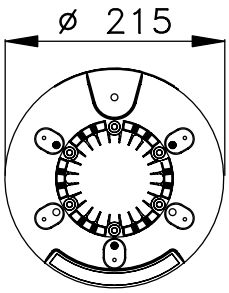
BEACON FRONT VIEW



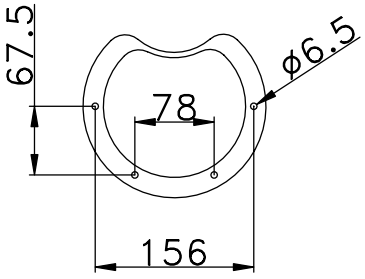
BEACON SIDE VIEW



BEACON TOP VIEW



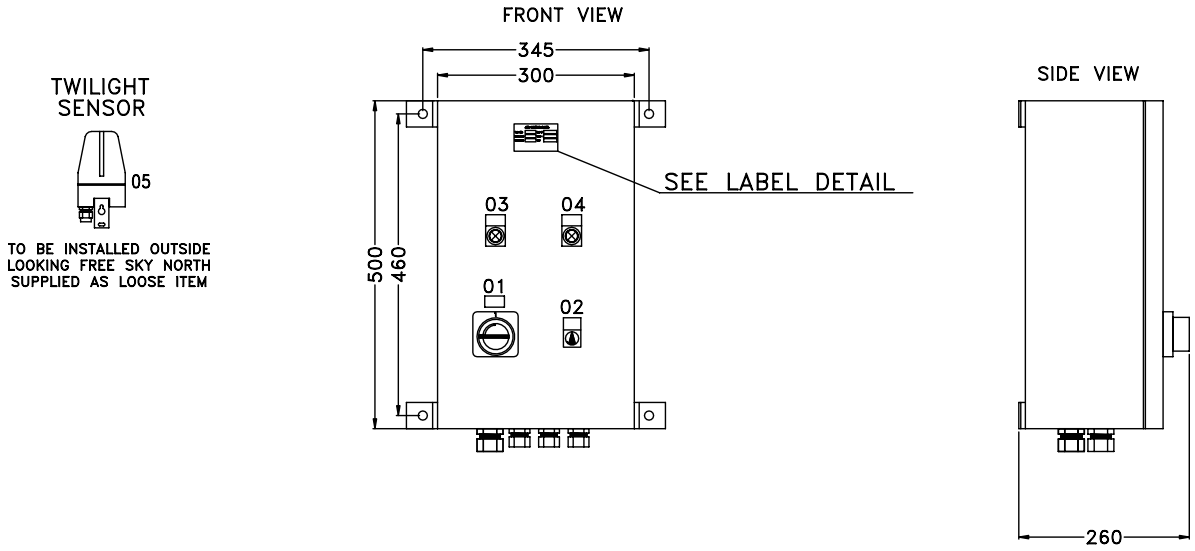
FIXING DETAILS

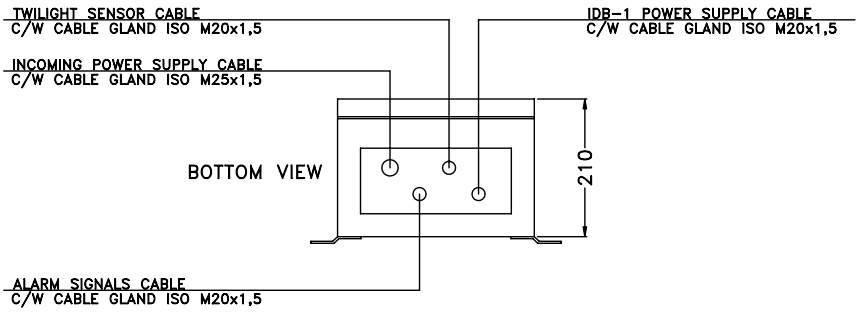


ICAO AERONAUTICAL BEACONS

IDENTIFICATION BEACON TECHNICAL DRAWING

PANEL DETAIL





STL International Ltd
Hill Farm, Linton Hill, Maidstone, Kent, ME17 4AL, UK T. +44 (0)1622 749633 eMail. solutions@stl-int.co.uk Web. www.stl-int.co.uk