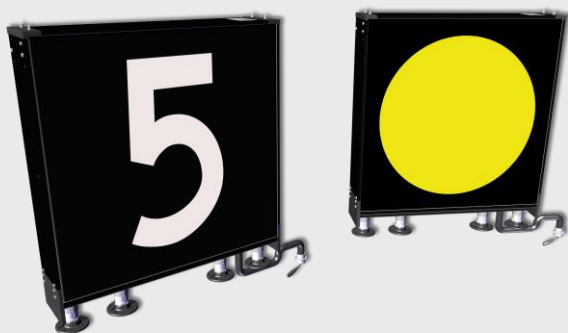


LSDS

LED RUNWAY DISTANCE SIGNS



COMPLIANCES

NATO: STANAG 3316

APPLICATIONS

LSDS signs, inside lighted, are designed to provide to the pilot, either by day or night, the following different indications:

- the runway distance remaining from the runway end in thousands of feet
- the position of the pendant cables for arrester hook engagement

Colours may be white or yellow on black background depending on the application as defined by STANAG Specs

BENEFITS

- 60000 hours LED rated life
- Message on one or both faces
- Four barrettes of 12 LEDs, 2 per each side of the sign, for optimum illuminance of both the faces
- No inner reflector needed to obtain the photometric performances required by the specifications
- Power supply from series circuits through isolating transformers. See TABLE C for isolating transformer choice
- Fully compatible with existing AFL infrastructure
- Operating with any topology of CCRs designed in compliance with IEC or FAA requirements
- Constant average sign luminance at any series current step from 2.8 A through 6.6 A

FEATURES AND PERFORMANCES

- Designed in compliance with FAA AC 150/5345-44
- Structural integrity assured by extruded aluminium panels
- Matt black external finishing
- Metric stainless steel hardware
- Long life, UV and abrasion resistant sign faces with messages realized by means of translucent adhesive coloured sheets, inside applied
- Breakable couplings may be pre-installed on concrete pad and sign lowered onto them for easy installation
- Enclosed power entry through protective flexible pipe
- External power disconnecting switch breaks all electrical connections to the sign for safe maintenance
- Wind speed: 322 km/h (mode 2 - FAA AC 150/5345-44)
- Protection degree: IP34
- Temperature range: -40°C to +55°C

INSTALLATION

- On concrete platform by means of floor flanges

PHOTOMETRIC PERFORMANCES

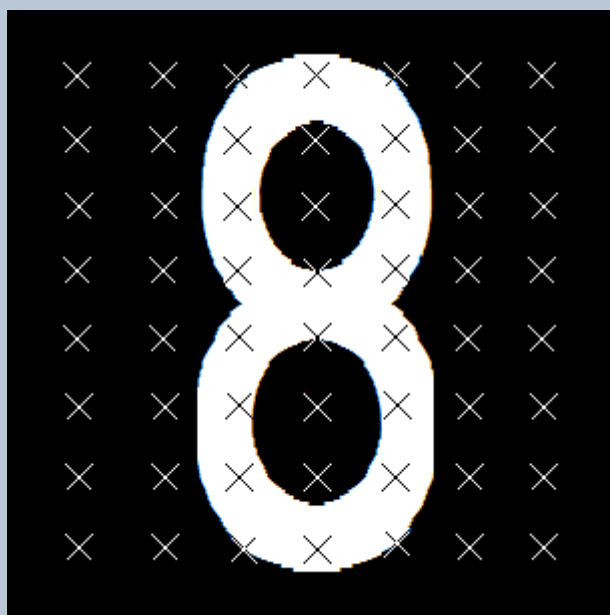


Fig. 1 Example of acquisition grid of Luminance values [cd/m²] for Distance Signs

Sings	Color	Typical value of mean luminance [cd/m ²]
Runway Distance Sign	WHITE	600
Arrester Cable Sign	YELLOW	400

TABLE A – POWER REQUIRED TO REGULATOR			
Current in the series circuit	6.6 A	4.8-6.6A	2.8-6.6A
Power required to regulator	80 VA	110 VA	190 VA

TABLE B - POWER FACTOR			
Current in the series circuit	6.6A	4.8-6.6A	2.8-6.6A
Power Factor	≥ 0.90	≥ 0.90	≥ 0.90

LSDSD1 - 1 - 02 - 70**Basic P/N:** _____**Use Code:** _____

D = Runway Distance Sign

B = Arrestor Cable Sign

X = Obligation Sign Use Barrier Stop for
Missed Takeoff**Number of Faces:** _____

1 = Single Face

2 = Double Face

Number of Modules: _____**Always installed:** _____

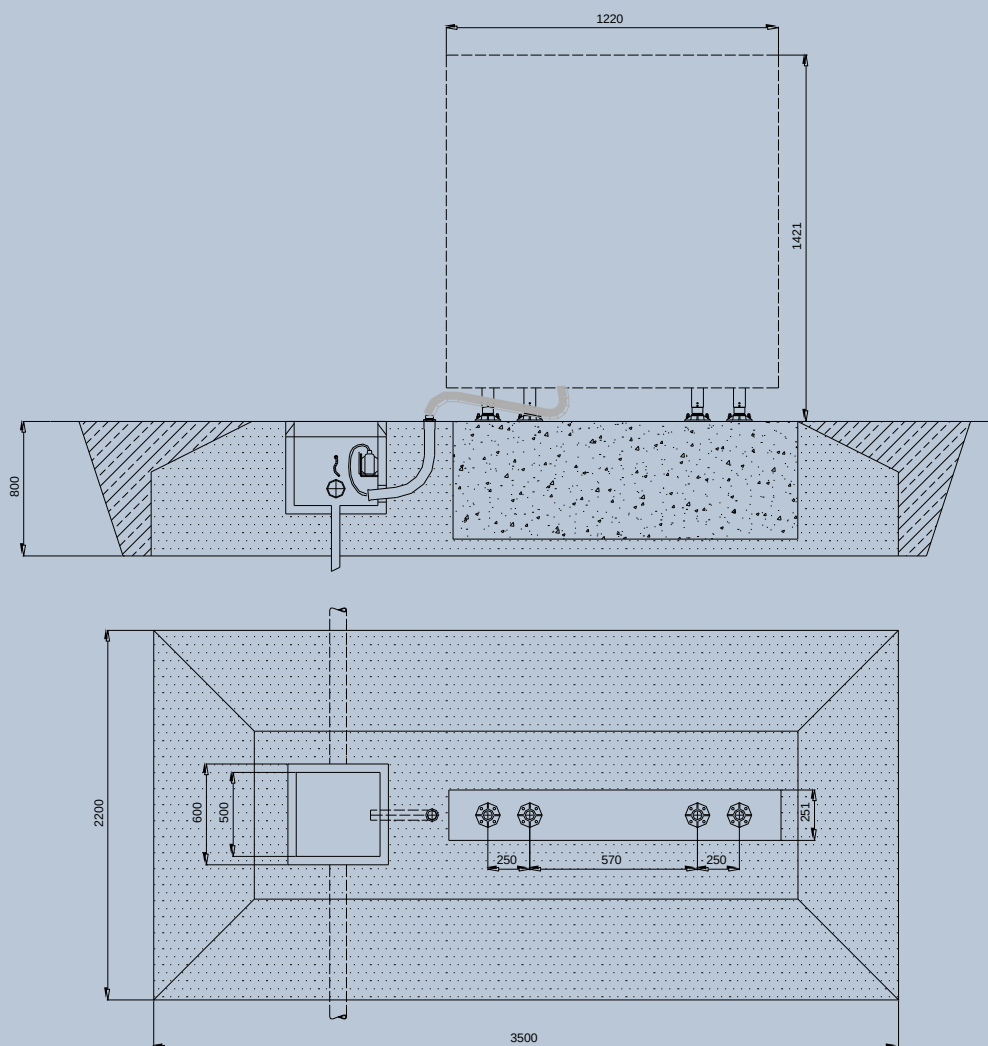
02 = Tether (2)

70 = Bird Spikes

- Floor flanges included; anchor bolts not included
- The legends must be specified for each sign
- When facing side A, the power entry is on the right

TABLE C – ISOLATION TRANSFORMERS

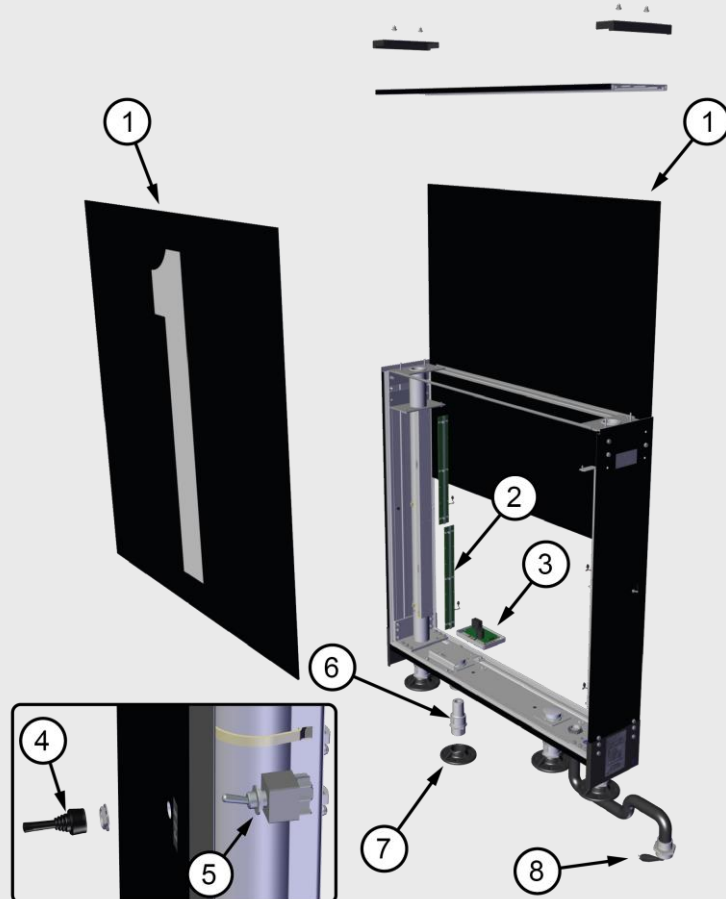
CURRENT STEP	TRANSFORMER SIZE
6.6 A	100 W
4.8 - 6.6 A	150 W
2.8 - 6.6 A	200 W



MAIN COMPONENTS OF THE SINGS

- 1 Face panel
- 2 LED card F188
- 3 Power supply card F209
- 4 Rubber cap for switch
- 5 ON-OFF Switch
- 6 Breakable coupling
- 7 Floor flange
- 8 Cable lead with plug

Refer to the relevant technical manual for the complete list of the available spare parts



ACCESSORIES

- | | |
|----------|---|
| 013.0008 | Galvanized steel pipe elbow with upper threaded end only (2" - 11 GAS thread) |
| 315.3210 | Galvanized steel pipe elbow with both threaded ends (2" - 11 GAS thread) |
| 013.0010 | Set of two ryton rings for receptacle support inside pipe elbow |
| 315.1228 | Base L-867, Class IA, size B, 24" Deep |
| 315.1062 | Baseplate for L-867 base with gasket and cable clamp (2" - 11 GAS thread) |
| 315.4150 | M12x60 anchoring rod, 250 mm long, complete with hardware(4 pieces for each floor flange) |

For any information about isolating transformers and connectors, please see the specific catalogue pages

Shipping Weights and Volumes

	Light Unit
Weight (kg)	65
Volume (m ³)	0,520

We reserve the right to change the design or specification data without notice

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