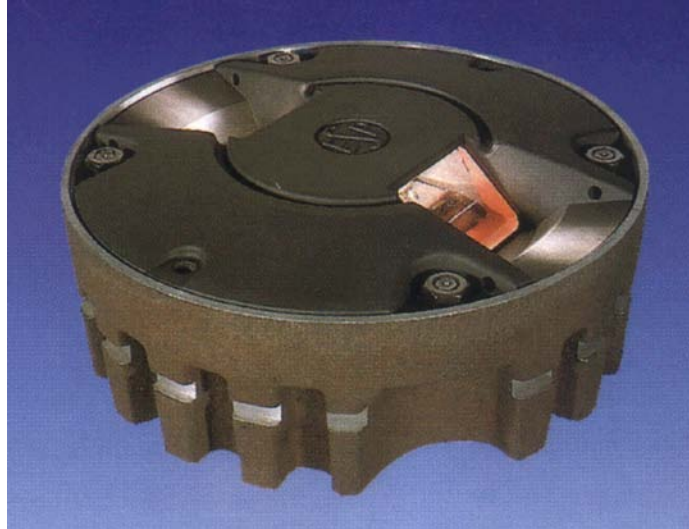


## TYPE 95 651 A÷E

The signal device meets the following regulations:

**ICAO Annex 14, Volume I, 3<sup>rd</sup> edition 1999  
(Photometric requirements)**

**FAA Specification AC 150/5345-46B  
(Resistance against environmental effects)**

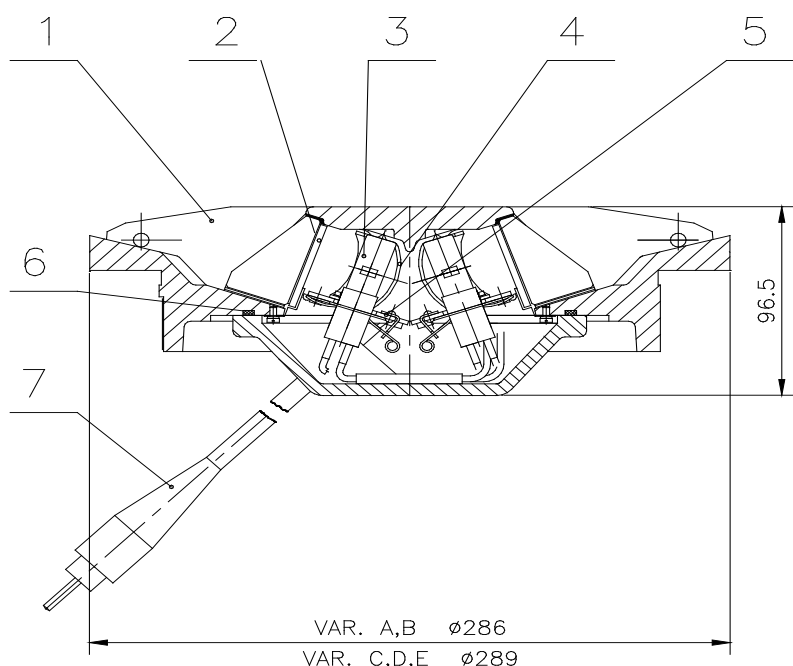


## Basic Information

This **signal device** consists of a lid and housing. The lid is a cast made of hardened aluminium alloy in which optical systems with glass prisms, bulbs, reflectors, and, possibly, also colour filters are located. Metallic parts of the optical system are made of anticorrosive materials. From underneath, an aluminium-cast housing, which hermetically comprises the signal device inside, is screw-fixed to the lid. The standard plug enters the housing through an outlet. The signal device design makes it resistant against static and dynamic effects of the ambient environment it is exposed to during the operation.

## Technical Diagram

- 1 – Lid with prisms
- 2 – Filter set
- 3 – Bulb
- 4 – Reflector
- 5 – Optical system
- 6 – Sealing
- 7 – Plug



## Use

The sunk airport bi-directional signal device is used for luminous marking of runway and roll systems in the following **variants**:

	Use	Colour	Curve ICAO	Bulb Input	
				HRJF	OSRAM PHILIPS
A	Centreline RWY	White	2.7 2.6	100W	100W
	Centreline RWY	Red	2.7 2.6	100W	100W
B	Straight Stretch Roll Centreline	Green Yellow	2.15	33W	33W
	Straight Stretch Roll Centreline	Green Yellow	2.12 2.13	45W	45W
C	Side Runway	White	2.10 2.9	100W	100W
	Side Runway	Yellow	2.10 2.9	100W	100W
D	Threshold (Left) and End Luminous Crossbar <sup>1)</sup>	Green Red	2.3 2.8	100W	100W
E	Threshold (Right) and End Luminous Crossbar <sup>1)</sup>	Green Red	2.3 2.8	100W	100W

1) A pair of identical signal devices provides the luminous properties

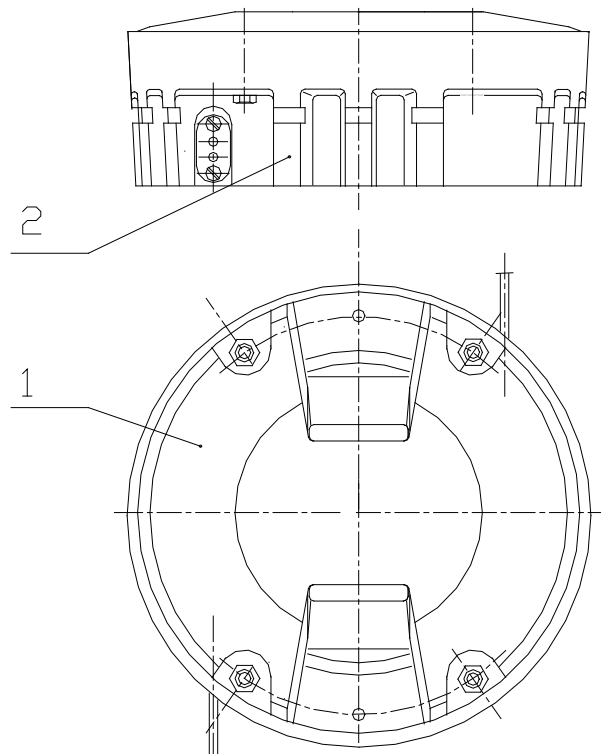
## Installation

The **signal device** is mounted by means of bolts in the base stuck into the runway concrete surface.

The cable for supplying the signal device with energy goes through a groove in concrete (side output) or through a shaft (bottom outlet).

### Installation example:

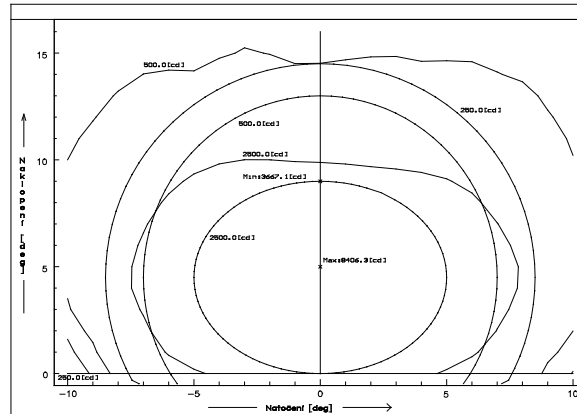
- 1 – Signal device
- 2 – Base



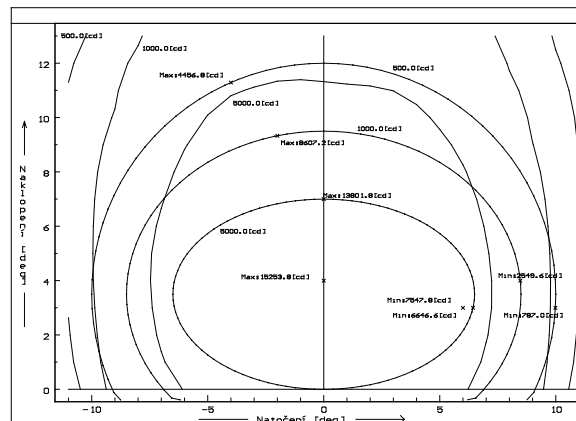
## Photometric data

Luminosity curves:

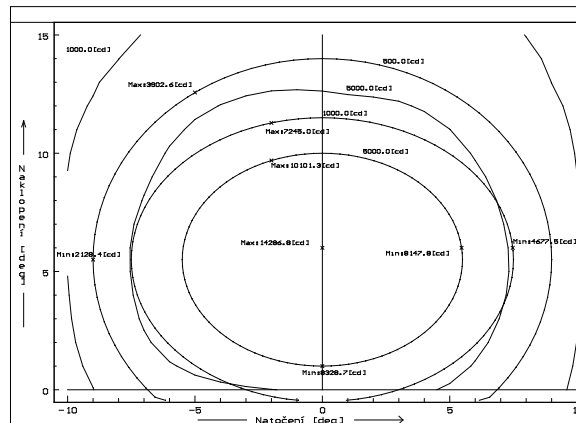
1. 95 651 A  
(white, 100 W) 2.7



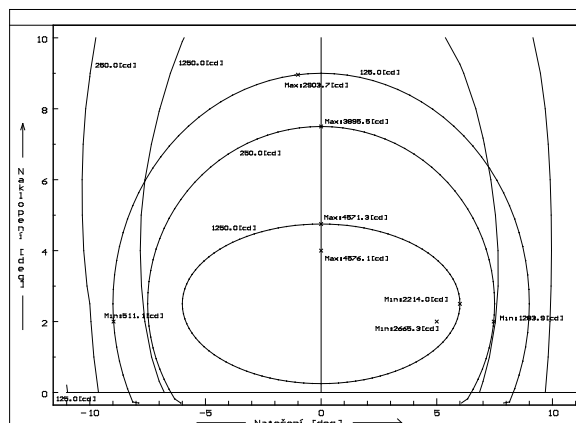
2. 95 651 C  
(white, 100 W) 2.10



3. 95 651 D  
(green, 100 W) 2.3



4. 95 651 D  
(red, 100 W) 2.8



## Basic Technical Data

### Mechanical parameters:

Dimensions (DxH):

- Variant A÷B 286x89.5 mm (w/o base)
- Variant C÷E 289x89.5 mm (w/o base)

Mass: 4.8 kg

### Electrical parameters:

Input: As per the use

Current: 6.6 A

Insulation resistance: Min. 50 M $\Omega$

Protection level: IP67

Luminous source used: Airport halide bulb  
As per use, Pk30d

### Other parameters:

Operation temperature: -55°C up to +55°C

## TYPE 95 651



## Contact

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