ELECTRONIC SYSTEMS

chapter:

# SBL-02

5.1.7

## Application

- above-ground portion of stop bars

## Certificate basis

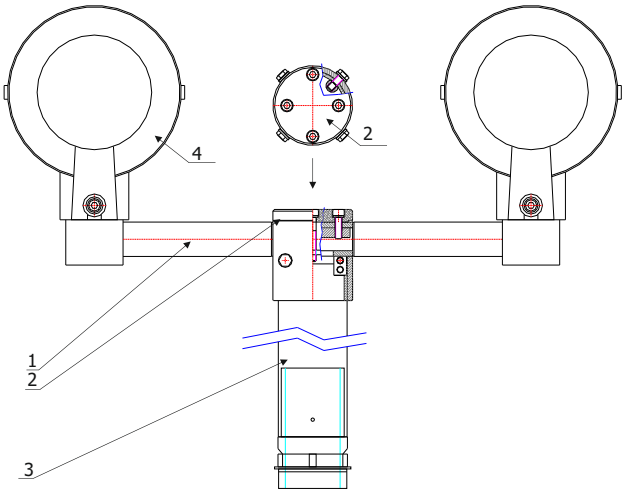
- ICAO-AERODROMES-ANNEX 14 VOLUME I, 3rd edition-1999
- FAA AC 150/5345-46 B
- MAK

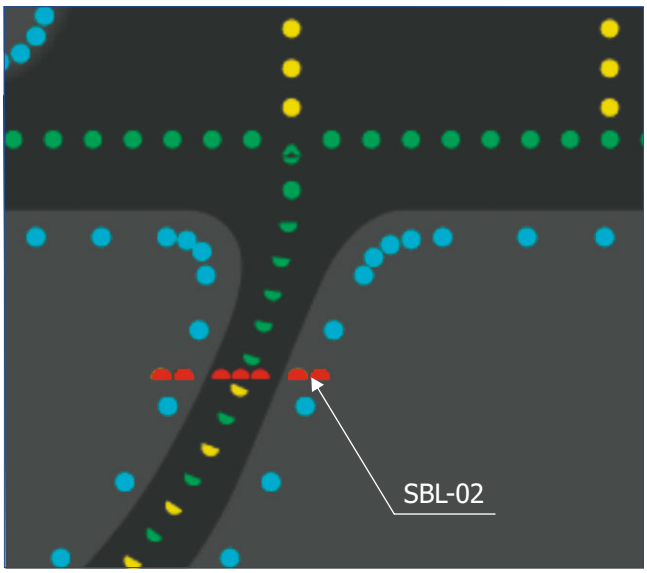
## Description/properties

- pair of elevated unidirectional lights EL 217 (producer ERNI) fixed to the supporting console
- lights emits red light
- made of cast and pressing of Al alloys, glass pressing and switching components of stainless steel
- light is supplied fixed to the supporting console, including halogen bulbs and supply cables with connectors

## Construction

1 frangible T-bar
2 special sleeve (latching portion)
3 complete of pipes along with breacable coupling
4 reflector EL 217



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## Connection / supplying

- powered via isolation transformer from the constant current regulator series circuit

## Mechnical parameters

- weight 4,6 kg
- dimensions
  - optical height 600 mm
  - horizontal pitch 381 mm
- adjustability
  - horizontal ±360°
  - vertical from ±20°

## Electrical parameters

- insulation resistance 50 MΩ/1000 V DC
- electric strength 500 V/50 Hz/ 1 min.

## Operating conditions

- level of protection IP 67
- climatic conditions ± 55 °C
- resistance to wind and exhaust gases 482 km/h
- resistance to UV radiation

## Source of light

- 2 x halogen lamps
  100 W/6,6 A with socket PK 30d

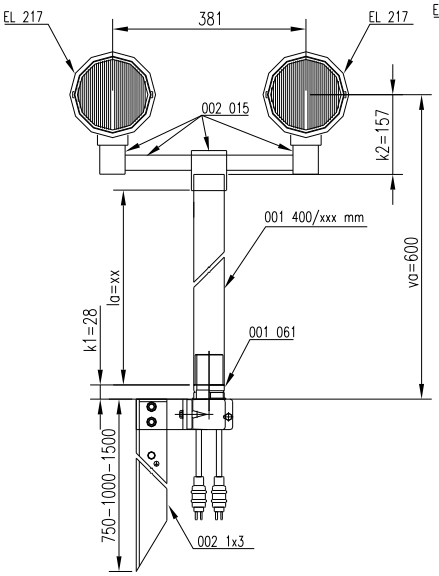
## Accessories

- breakable coupling threaded 2“ NPSM + carrying AL tube 001 400 / x (x = optical height)
- complete needles with socket type 002 1x3
- base plate 12“ with thread 2“ NPSM on concrete 002 660
- base plate 12“ with thread 2“ NPSM on substructure 002 661
- base plate 12“ with thread 2“ NPSM to substructures ADB
  002 661 A
- substructures 12“ bottom outlet 002 560

## Ordering codes

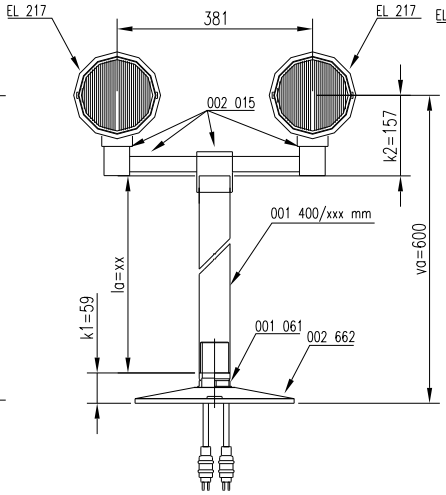
- light SBL-02 913-151

assembly on needle



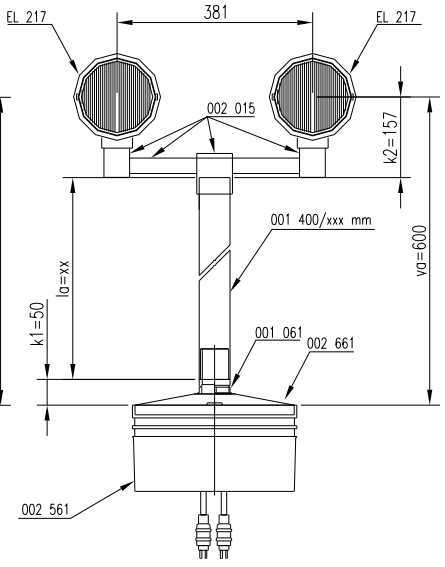

ka=(k1+k2) la=va-ka
ka=(28+157) la=600-185
ka=185 **la=415 mm**

assembly on base plate




ka=(k1+k2) la=va-ka
ka=(59+157) la=600-216
ka=216 **la=384 mm**

assembly on substructures




ka=(k1+k2) la=va-ka
ka=(50+157) la=600-207
ka=207 **la=393 mm**

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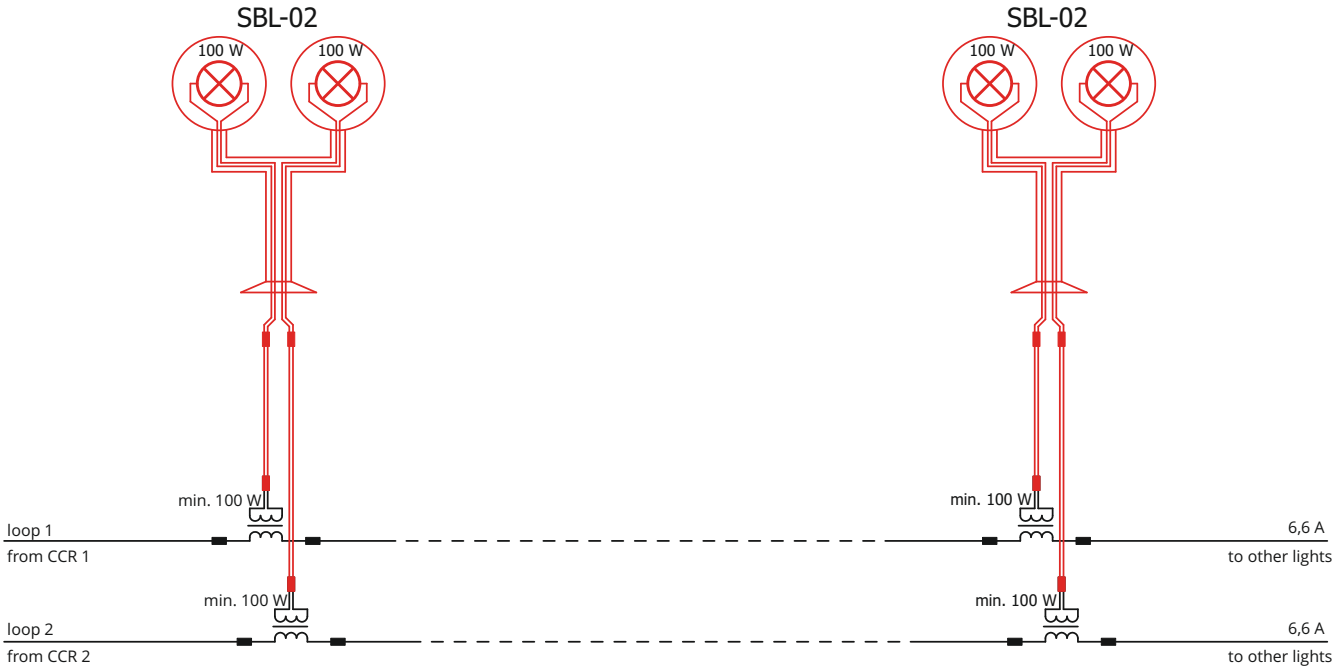
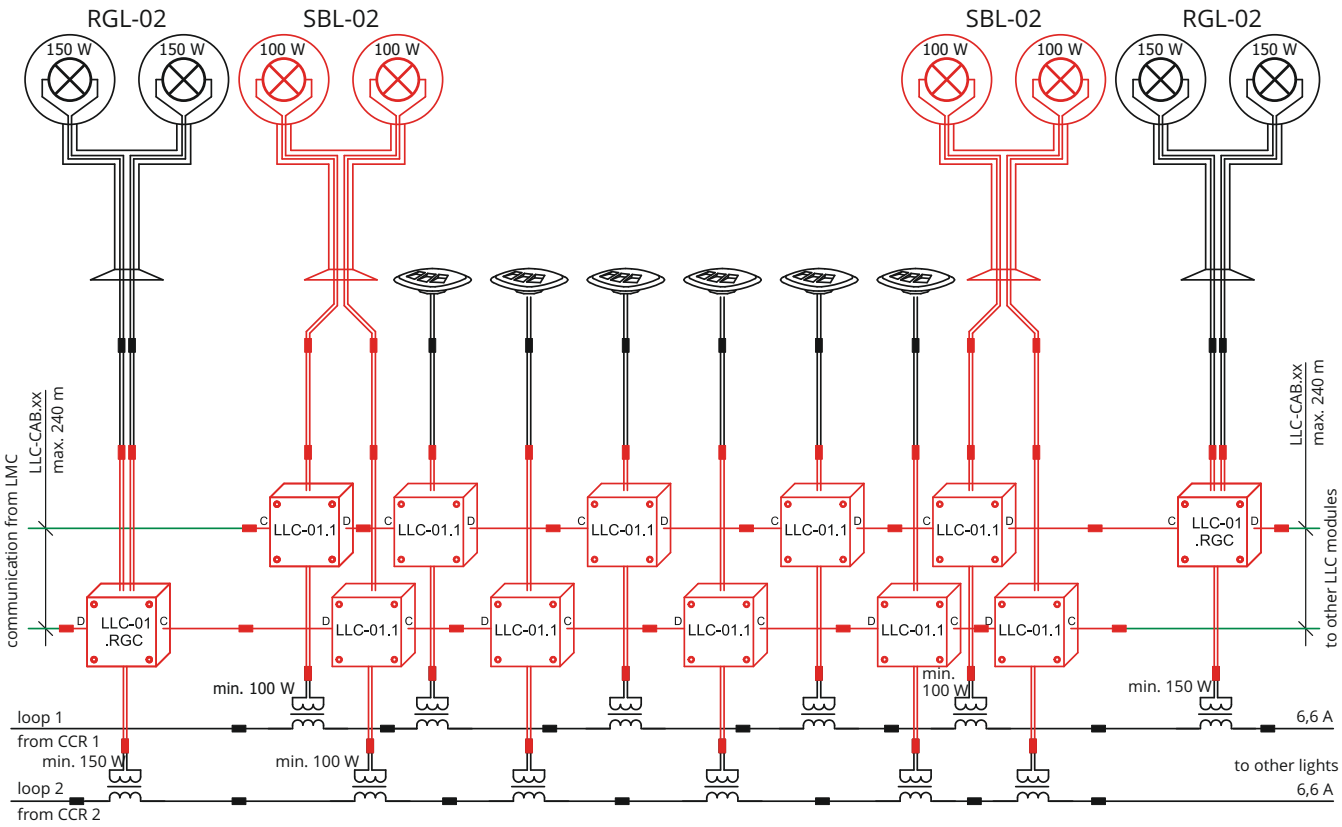
## Recommended SBL-02 connection
without control and monitoring




## Recommended SBL-02 connection
control and monitoring of STOP BAR by LMS system



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