

→Application

- safety runway lamps (WIG WAG)
- located crossroads of taxiway with RWY

→Certificate basis

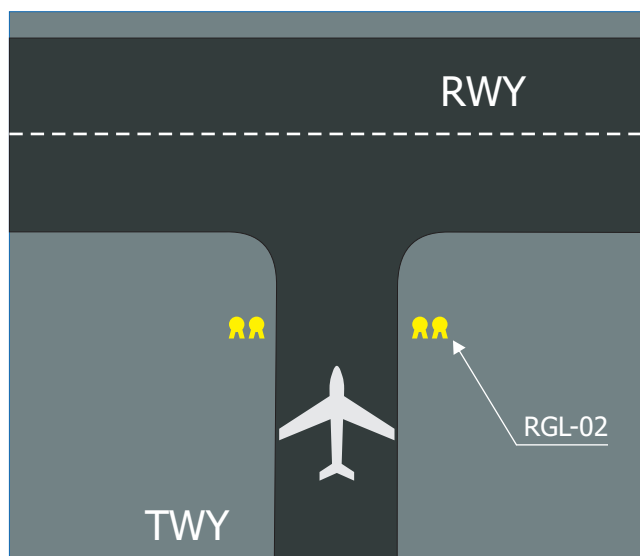
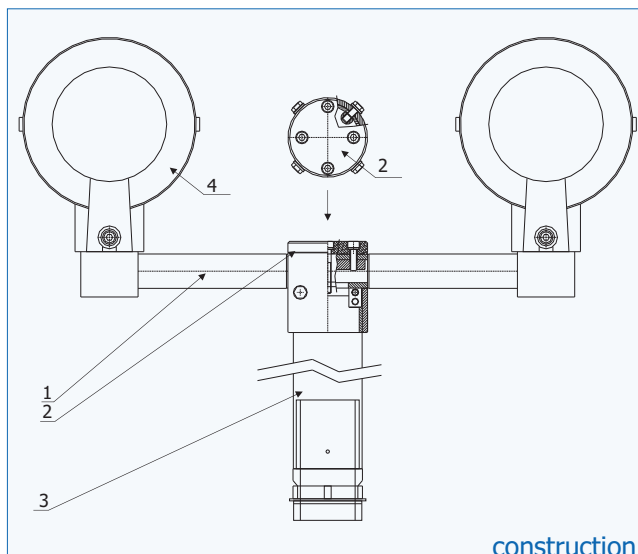
- ICAO-AERODROMES-ANNEX 14 VOLUME I, 3rd edition-1999
- FAA AC 150/5345-46 B
- MAK

→Description/properties

- pair of elevated unidirectional lights EL 217 fixed to the supporting console
- lights emits interrupted yellow light of high luminous intensity
- special clamp attachment allows the console to supporting pipe and vertical and horizontal setting of lights
- horizontal setting of lights is carried out turning bearing pipes in the breacable coupling
- made of cast and pressing of Al alloys, glass pressing and switching components of stainless steel
- control management unit RGC-02.X, which interrupted power to the current light RGL-02 with the frequency from 45 up to 50 cycles per minute
- control unit RGC-02.X is watertight aluminium box with control circuit for alternate connection of the current in to lights and circuit evaluation of defective lamp

→Construction

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



chapter:

5.1.4

RGL-02



→ Connection / supplying

- lights is powered from the serial or parallel distribution, according to the type of control unit

→ Technical parameters

light RGL-02

- weight 4,6 kg
- dimensions
 - optical height 600 mm
 - horizontal pitch 381 mm
- adjustability
 - horizontal 0°÷360°
 - vertical 0°÷20°

control unit RGC-02.I

- weight 1,3 kg
- dimensions 160×100×80 mm
- powered from the constant current regulator via the airport serial power distribution system 6,6 A
- unit includes three pins with the connectors FAA L-823, two for lights and one for transformer

control unit RGC-02.U

- weight 2,5 kg
- dimensions 160×160×90 mm
- powered via the parallel power distribution system 230 V AC
- unit includes four pins with the connectors FAA L-823, two for light and two for distribution system

control unit LLC-01.RGC

- weight ~2,2 kg
- dimensions 160×185×90 mm
- module of system LMS (see chapter 2.4.7)

→ 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×halogen lamps 150 W/6,6 A with socket PK 30d

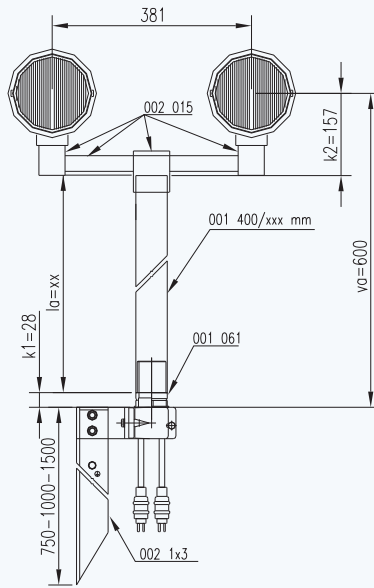
→ Accessories

- breakable coupling threaded 2" NPSM type 001 061 + 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 RGL-02 | 913-150 |
| • control unit RGC-02.X | |
| X=power | |
| I - serial power 6,6 A | 903-310 |
| U - parallel power | 903-320 |
| • control unit LLC-01.RGC | 905-020 |

assembly
on needle



$$ka=(k1+k2)$$

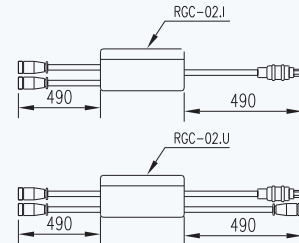
$$ka=(28+157)$$

$$ka=185$$

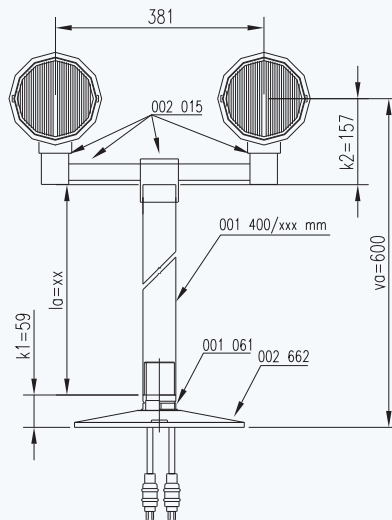
$$la=va-ka$$

$$la=600-185$$

$$la=415 \text{ mm}$$



assembly
on base plate



$$ka=(k1+k2)$$

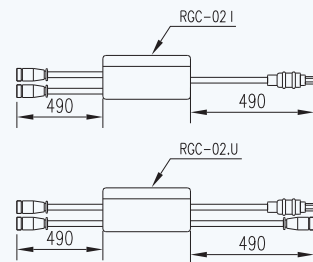
$$ka=(59+157)$$

$$ka=216$$

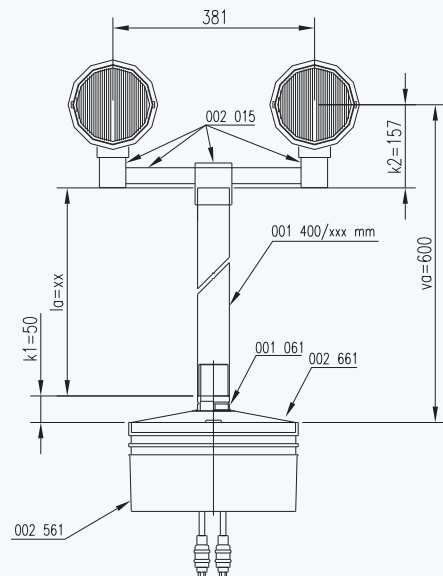
$$la=va-ka$$

$$la=600-216$$

$$la=384 \text{ mm}$$



assembly
on substructures



$$ka=(k1+k2)$$

$$ka=(50+157)$$

$$ka=207$$

$$la=va-ka$$

$$la=600-207$$

$$la=393 \text{ mm}$$

