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RGL-02

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Application

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

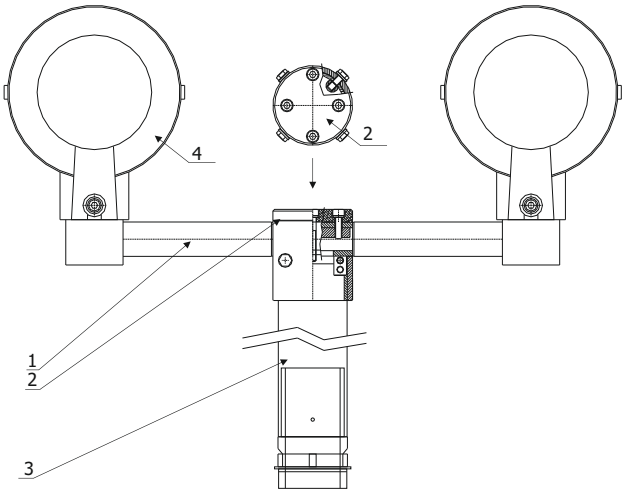


Certificate basis

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

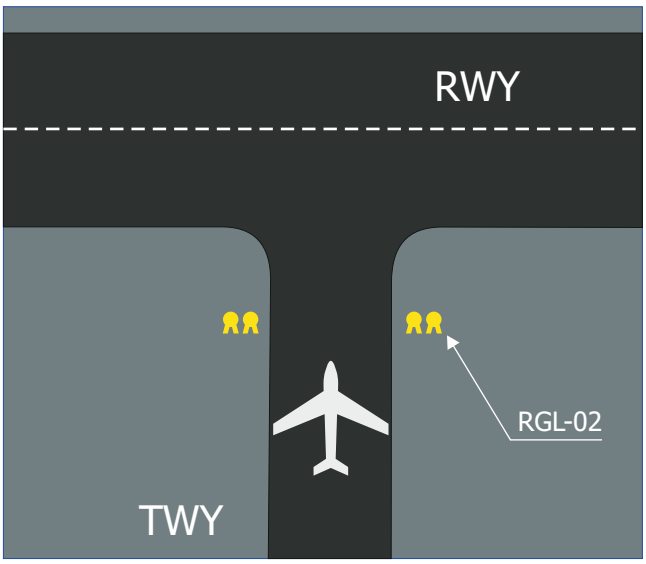
Description/properties

- 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 lifgts 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



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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 transformator

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

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

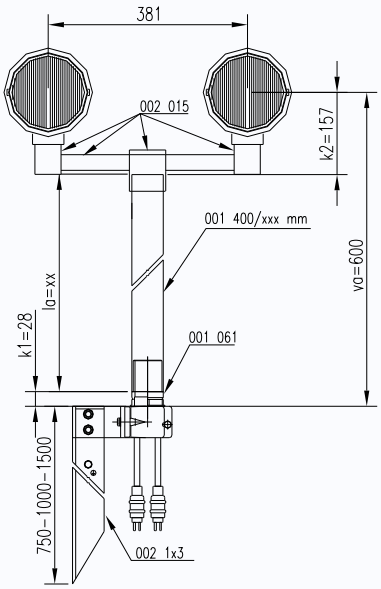
• light RGL-02	913-150
• control unit RGC-02.X	
X=power	
I - serial power 6,6 A	903-310
U - parallel power	903-320
• control unit LLC-01.RGC	905-020

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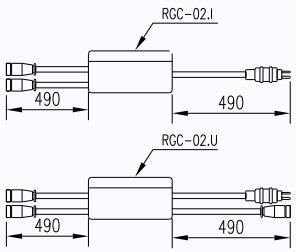
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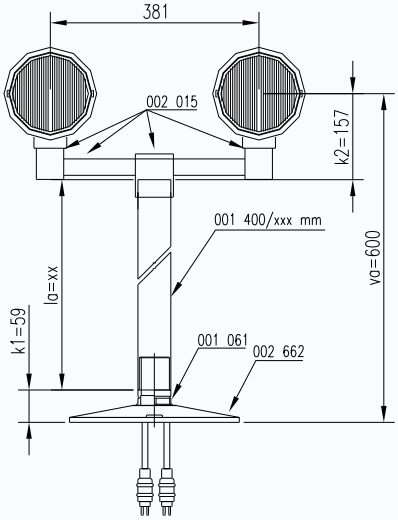
assembly on needle



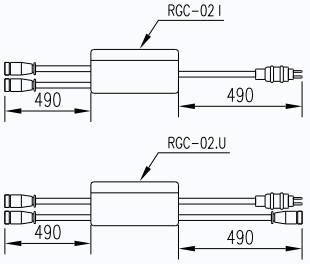
ka=(k1+k2) la=va-ka
ka=(28+157) la=600-185
ka=185 **la=415 mm**



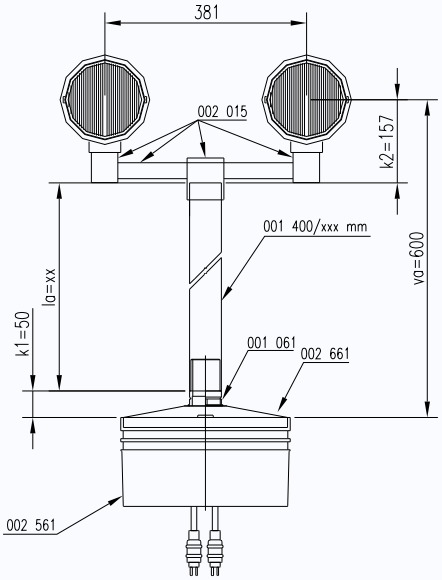
assembly on base plate



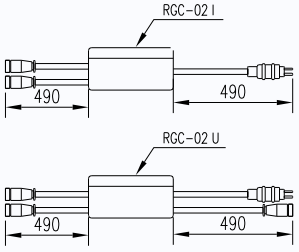
ka=(k1+k2) la=va-ka
ka=(59+157) la=600-216
ka=216 **la=384 mm**



assembly on substructures



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

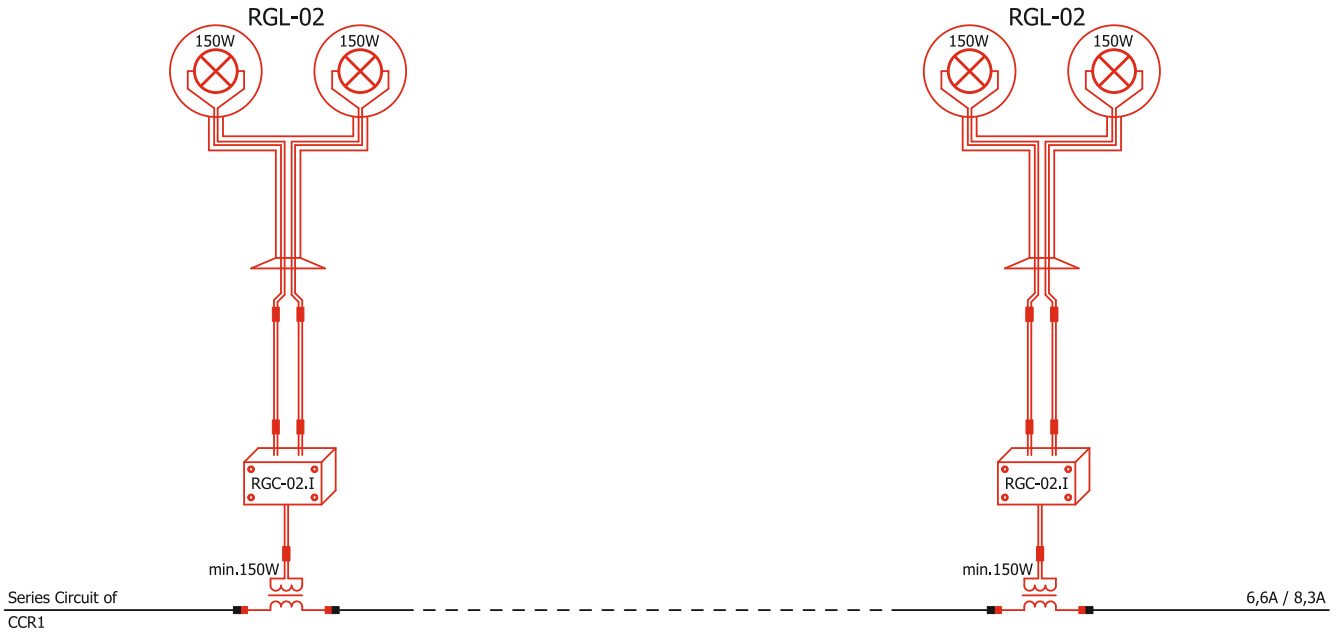


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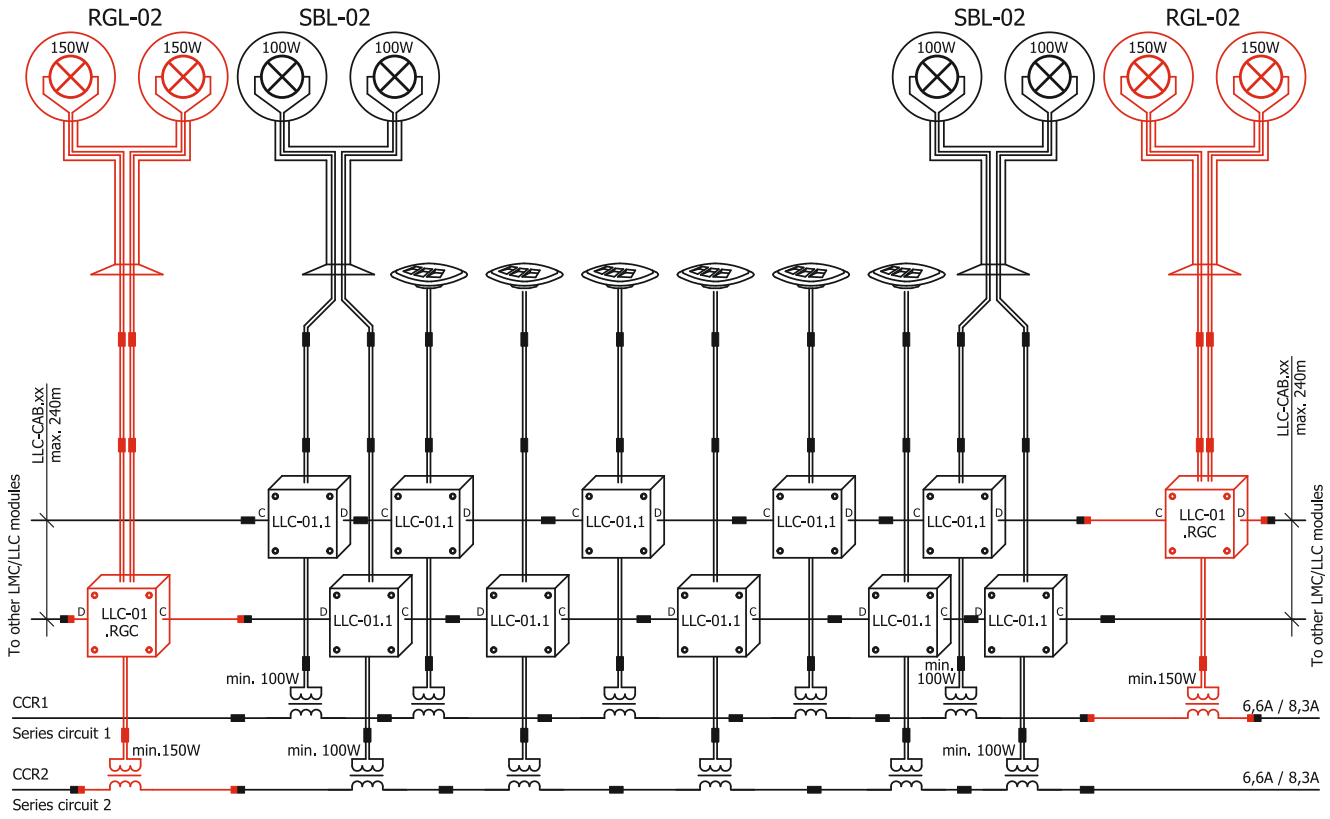
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The recommended connection between the Runway Guard Light RGL-02
and the Runway Guard Control module RGC-02.I for non-synchronized flashing
without the lamp monitoring



The recommended connection between the Runway Guard Light RGL-02
and the LMS Runway Guard Light Control module LLC-01.RGC for non-synchronized flashing
with monitoring of each lamp in the RGL-02 unit



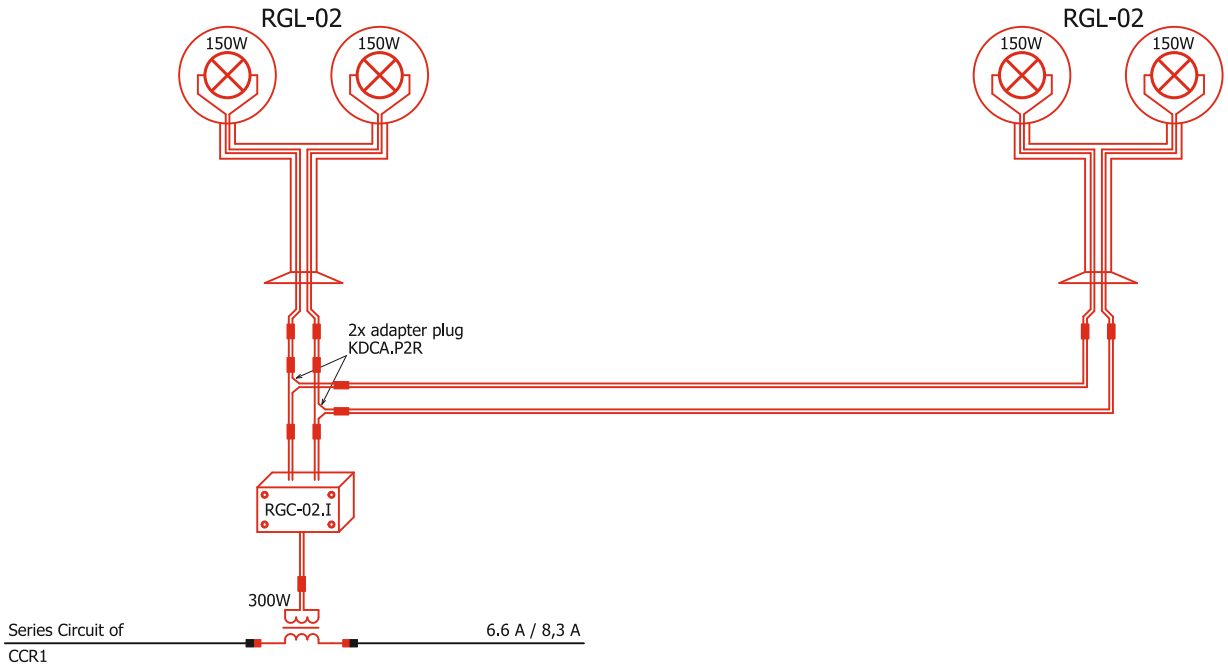
The recommended transformer types: 65W = KR 536, 100W = KR 541, 150W = KR 546, 300W = KR 561

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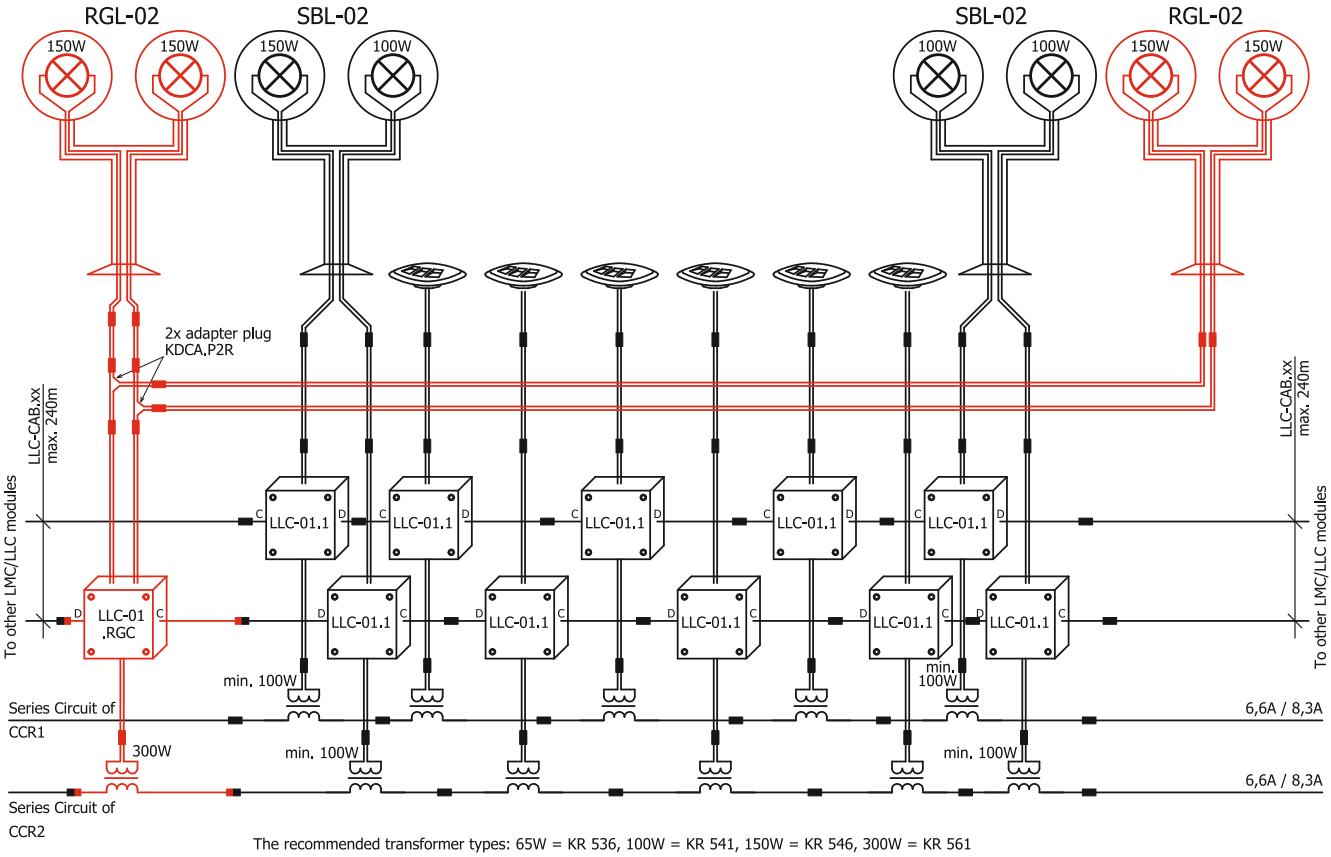
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The recommended connection between the Runway Guard Lights RGL-02 and the Runway Guard Control module RGC-02.I for synchronized flashing without the lamp monitoring



The recommended connection between two Runway Guard Lights RGL-02 and the LMS Runway Guard Light Control module LLC-01.RGC for synchronized flashing with monitoring of each pair of coincident lamps in two RGL-02 units (both right and both left lamps)



The recommended transformer types: 65W = KR 536, 100W = KR 541, 150W = KR 546, 300W = KR 561

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