LED-AIRPORT LIGHTING

LED RUNWAY GUARD LIGHT 921 – MEDIUM INTENSITY

APPLICATION
Runway guard light systems (WIG-WAG) are used where intersections between Runway / Taxiway must be clearly marked. A system consists of two elevated fittings, unidirectional, yellow light each controlled by a Flash unit. The light is flashing with app. 45 flashes per minute. The RGL unit can be supplied with an additional omnidirectional light in white, also with LED, as position marker.

DESCRIPTION

General
Runway guard light system type 921-LED, is designed in accordance with ICAO, Annex 14, Vol. 1, 5.3.20 for use in configuration A as elevated marking of Runway / Taxiway intersections. Maximum intensity according to ISO candela diagram fig. 2.24 with less than 3 W/ LED. Input for 10, 30 or 100% light intensity output. Light weight construction with no heavy parts, above ground level.

Flash Unit
The flash unit is constructed as a safety transformer with built-in electronic flash generator. The unit is encapsulated in polyurethane resin.

Light Fitting
The fittings are constructed mainly by using standard components from HELLA Induperm’s standard program of elevated fittings. Each fitting has two light systems. Each light system is unidirectional, yellow light. Each light system can be individual adjusted for toe-in and elevation. The fitting has a breakable coupling, designed for 2" (60 mm) stake mounting (Type C) or with 2” thread stub (Type A). The light fixture is designed for an expected life-time for the LED’s of 50,000 hours.

FEATURES

- Design conforms to all environmental conditions of FAA-E-982.f
- Front glass according to FAA spec. CAA-1199a
- Extremely easy levelling and adjustment due to patented balljoint
- The shape, the small size and weight (13.5 kg – 6lb) are favourable features in respect to windload and blast
- The outside surface of the glass is smooth and need no cleaning
- No adjustment after relamping
- Only fully corrosion proof components are used
- Finished in stove enamel aviation yellow
INSTALLATION

Phase | 100% | Brown
---|---|---
230 V | 30% | Black 1
50 Hz | 10% | Black 2
select input neutral Blue

Input 0 – 220 V
Black 1 between Brown and Yellow / Green
Black 2 between Blue and Yellow / Green

Light fitting type 921-LED (C)
2 x 12 V – max. 10 W

5 x 1.5 mm²

P-241.241 Male
4-pole IP-65 connection

P-241.242 Female

Flash unit type 921.125

TYPE NO. CODE

<table>
<thead>
<tr>
<th>HELLA Induperm Type No.</th>
<th>HELLA Type No.</th>
<th>Type of breakable coupling included</th>
<th>Fail Open Relay included?</th>
<th>Internal flasher?</th>
<th>Input connector</th>
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<tbody>
<tr>
<td>921.865</td>
<td>8NA 011 575-027</td>
<td>A</td>
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<td>921.875</td>
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<td>921.175</td>
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<td>Flasher unit for RGL Medium Intensity without Transformer</td>
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SPECIFICATIONS

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<thead>
<tr>
<th>Input</th>
<th>230 V · 50 Hz, max 25 VA</th>
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<tr>
<td>Output</td>
<td>App. 45 flashes per minute per lamp</td>
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<tr>
<td>Finish (fitting)</td>
<td>Stove enamel aviation yellow, Ral -1028</td>
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<td>Breakable coupling</td>
<td>For 2˝ pipe or with 2˝ thread, breakload app. 53 kgm</td>
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<tr>
<td>Shipping detail per system</td>
<td>15 kg / 0.15 m³</td>
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