EHB-REDL : RUNWAY EDGE LIGHT

Compliance with standards
ICAO : Annex14 Para 5.3.9
IEC : 61827
FAA : AC 150/5345-46, L-882
KS : KS W 5021(Korean Standard)

The EHB consists of a frangible stem in aluminium casting mounted on a 2 inch 11 TPI threaded coupling, an upper body in die casting aluminium housing the GY-9.5 lamp holder and the optical parts made of heat resistant glass. All the hardware is made of stainless steel. The optical assembly consists of an outer glass dome having an external smooth surface to prevent accumulation of dirt and two beam shaping lenses. Coloured inner lenses can be mounted if required by ICAO colour coding. The light fitting is supplied with a 2-pole plug FAA L-823 with heat resistant wires.

Features
- Body casting made of aluminium alloy for lightness, mechanical strength and durability
- Environmental friendly materials
- Easy lamp replacement without any tools
- Smooth outer dome eliminating the risk of build up of dirt, easy to clean
- Contained dimensions to withstand jet blast
- Compliant for 45 & 60 m wide runways in CAT III operations with a 120W & 150W 6.6A lamp
- Long lamp life - 1000 hours at full brilliancy
1. Dome lens
2. Color filter
3. Filter support ASS’Y
4. Halogen lamp
5. Bolt
6. Lens fixing spring
7. Inner lens
8. Socket lens support
9. Socket
10. Cord bush
11. Two-pole plug cable with plug
12. Gasket
13. Locking pin
14. Ring Band assembly
15. Bolt
16. Upper body
17. Body fixing washer
18. Wing nut
19. Lower body
20. Bolt
21. Coupling(2")

Typical Mounting System

- 2" Conduit Elbow
- 12" Deep Base
### Photometric Performance

**Runway Edge Light**

<table>
<thead>
<tr>
<th>Application</th>
<th>Angle</th>
<th>Lamp</th>
<th>ICAO Intensity</th>
<th>Average Intensity</th>
</tr>
</thead>
<tbody>
<tr>
<td>45m</td>
<td>0–7°</td>
<td>±5.5°</td>
<td>120Wx1</td>
<td>10,000</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10,447cd</td>
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<tr>
<td>60m</td>
<td>0–7°</td>
<td>±6.5°</td>
<td>120Wx1</td>
<td>10,000</td>
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<td></td>
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<td></td>
<td>10,021cd</td>
</tr>
<tr>
<td>60m</td>
<td>0–7°</td>
<td>±6.5°</td>
<td>150Wx1</td>
<td>10,000</td>
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<td>10,783cd</td>
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</tbody>
</table>

**NOTE**
1. For yellow light multiply by 0.4
2. Chromaticity:
   - White: X:423, Y:0.377
   - Yellow: X:3946, Y:0.3944

### Lighting Layout Information

**Runway and Threshold Lighting**

**Runway with Blast Pad (No Traffic)**

**Lighting for Runway with Displaced Threshold**

**Runway and Threshold Lighting**

**Unit:** m
Ordering Code

EHB - REDL - 120 - 01

Model Name: EHB - REDL

Lamp Wattage: 120W (6.6A) 150W (6.6A) 150W (GY-9.5)

Light Color: 01: White/White 02: White/Yellow

Description

<table>
<thead>
<tr>
<th>Model Name</th>
<th>Item</th>
<th>Specification</th>
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<tbody>
<tr>
<td>EHB - REDL</td>
<td>Runway Edge Light</td>
<td>6.6A 120W * 1 White/White</td>
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<tr>
<td></td>
<td></td>
<td>6.6A 120W * 1 White/Yellow</td>
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<tr>
<td></td>
<td></td>
<td>6.6A 150W * 1 White/White</td>
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<tr>
<td></td>
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<td>6.6A 150W * 1 White/Yellow</td>
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Spare Parts

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<tbody>
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<td>Inner Lens</td>
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<td>Outer Lens(Dome)</td>
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<td>Lamp</td>
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<tr>
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<td>6.6A 150W, GY-9.5</td>
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