Apollo
High Intensity Elevated LED Runway Guard Light

Applications
CAT I/II/III all weather operation airfield ground lighting systems.

Compliant with Latest International Standards*

- ICAO Annex 14. Vol 1
- FAA L-804†
- IEC 61827
- EASA
- Stannag 3316 (NATO)

* As applicable to the application, compliance with other civil aviation and military regulations confirmed on request
†For height, fragility, and photometric output
Apollo High intensity LED elevated runway guard light

Electrical Performance

<table>
<thead>
<tr>
<th>Main Beam Aperture</th>
<th>Colour</th>
<th>Typical Power Consumption - Watts (VA) @ 6.6A Fitting*</th>
<th>Isolating Transformer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horiz(°)</td>
<td>Vert(°)</td>
<td>Per Beam Watts</td>
<td>Watts (VA)</td>
</tr>
<tr>
<td>-8° to +8°</td>
<td>-8° to 8°</td>
<td>Yellow</td>
<td>60W</td>
</tr>
</tbody>
</table>

Notes:
- Isolating transformer shall be suitably sized to accommodate specific secondary and other applicable losses.
- * as measured at the input leads of the fixture.
- ** as measured across the primary winding of an appropriately sized isolation transformer with a total fixture and transformer secondary length not exceeding - 1.85m (72”). CCR shall be suitably sized for the indicated transformer VA for the relevant isolating transformer utilised.
- *** adjustable angle 0°, 5°, 11°, 15°, and 20°

Environmental Conditions
- Ambient Temperature -40°C to +55°C (-67 °F to +131°F)
- Storage Temperature -40°C to +55°C (-67 °F to +131°F)
- Ingress Protection > IP65

Photometry vs. Specification

Specifying Intensity (cd)

<table>
<thead>
<tr>
<th>Specification</th>
<th>High Intensity Runway Guard Light ICAO Fig. A2-25</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Yellow</td>
</tr>
<tr>
<td>Max/Min Intensity ratio</td>
<td>&lt;3.0</td>
</tr>
<tr>
<td>Main ellipse average intensity</td>
<td>3000cds</td>
</tr>
<tr>
<td>Main ellipse minimum intensity</td>
<td>1500cds</td>
</tr>
<tr>
<td>Second ellipse minimum intensity</td>
<td>1000cds</td>
</tr>
<tr>
<td>Third ellipse minimum intensity</td>
<td>300cds</td>
</tr>
</tbody>
</table>

Typical Measured Values
- Yellow
- Main ellipse average intensity: 3436cds
- Main ellipse maximum intensity: 2496cds
- Main ellipse minimum intensity: 1173cds
- Second ellipse minimum intensity: 1165cds
- Third ellipse minimum intensity: 343cds

* Photometry tested under steady rate, actual flash rate 45/50 flashed per minute
### Application
LED Elevated Runway guard light

### Beam Type
5 = Uni-directional (Wide)

### Color
Y = Yellow
R = Red

### Specification
2 = ICAO

### Integrated photo cell (230V only)
0 = none
1 = fitted

### Mounting
1 = 32mm (1 1/4") Solid Stem with 50.8mm (2") Frangible Coupling, 11.5 TPI
H *= 550mm (22")**

2 = Low profile frangible brackets
H *= 356mm (14")**

### Power supply
1 = 6.6 amps
2 = 220VAC
3 = 24VDC

### Integrated fault Monitoring
0 = Not required
1 = required

### LED Lamp Life
Lamp life calculated to be in excess of 60,000 hours

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**Beam Options**

- **Solid Stem mounting option**
- **Low profile frangible bracket mounting option**

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**Apollo - IR804L**

<table>
<thead>
<tr>
<th>UK: +44 (0) 1942 68 5555</th>
<th>USA: 001 (239) 985-9406</th>
</tr>
</thead>
<tbody>
<tr>
<td><a href="http://www.atgairports.com">www.atgairports.com</a></td>
<td><a href="mailto:enquiries@atgairports.com">enquiries@atgairports.com</a></td>
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<td></td>
<td><a href="mailto:sales-usa@atgairports.com">sales-usa@atgairports.com</a></td>
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Dimensions

Packaging

- Net weight 15kg
- Gross weight 28kg (boxed)
- Box 850mm (L) x 450mm (W) x 400mm (H)

Consultants specification and installation information for the Iris range is available by request. Contact enquiries@atgairports.com for further details.

atg airports reserve the right to change technical data and details at any point in time.