

IR852ML

IRIS LED 8" Aircraft Stand
Manoeuvring Guidance and
stop lighting solution

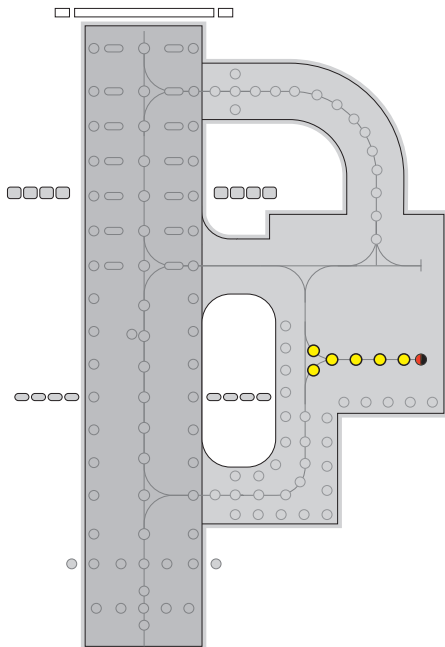
Applications

CAT I/II/III all weather operation
airfield ground lighting (agl)
systems

Compliant with Latest International Standards*

- ▶ ICAO Annex 14. Vol 1
- ▶ FAA AC 150/5345-46[†]
- ▶ FAA Engineering Brief No. 67[†]
- ▶ IEC 61827[†]
- ▶ EASA
- ▶ Stannag 3316 (NATO)

[†] Electrical, mechanical, environmental characteristics only



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Electrical Performance

| Main Beam Aperture | | Colour | Per Beam Watts | Typical Power Consumption - Watts (VA) @ 6.6A | | | |
|--------------------|---------|--------|-------------------|---|-------|----------------------------|-------|
| Horiz(°) | Vert(°) | | | Watts (VA) | PF | Tx Primary** Watts (VA) | PF |
| 0.0 to +359 | 1 to 90 | Yellow | 5.0 | 14.60 (14.69) | 0.991 | 23.76 (24.66) | 0.965 |
| 0.0 to +359 | 1 to 90 | Red | 5.0 | 15.88 (16.05) | 0.992 | 25.50 (26.34) | 0.969 |

Fixture Operational Current Range: 2.7 to 6.7A RMS

* 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").

Note: Isolating transformer shall be suitably sized to accommodate specific secondary and other applicable losses.

For Bi-directional twin lead option use unidirectional electrical performance for each direction.

Environmental Conditions

► Ambient Temperature -55°C to +55°C (-67°F to +131°F)

► Ingress Protection IP66

► Storage Temperature -55°C to +55°C (-67°F to +131°F)

Photometry

Specification

Aircraft stand manoeuvring guidance light.

ICAO Annex14 5.3.27.3

Colour Yellow

Typical Measured Values

Typical intensity at 5° 10 cds

Typical intensity at 10° 20 cds

Typical maximum intensity 45 cds

Specification

Aircraft stand manoeuvring stop light.

ICAO Annex14 5.3.27.35

Colour Red

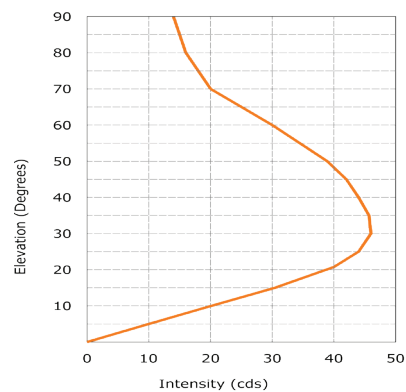
Typical Measured Values

Typical intensity at 5° 10 cds

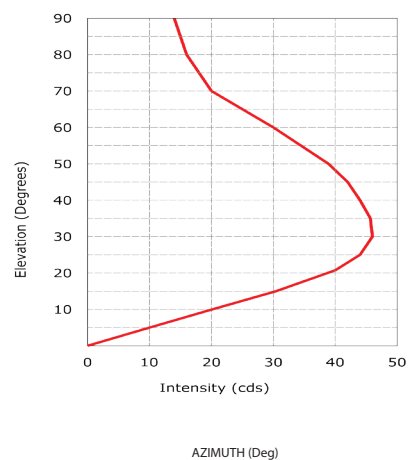
Typical intensity at 10° 20 cds

Typical maximum intensity 45 cds

Intensity Chart - IR852ML Aircraft Stand Manoeuvring light - Yellow



Intensity Chart - IR852ML Aircraft Stand Manoeuvring light - Red



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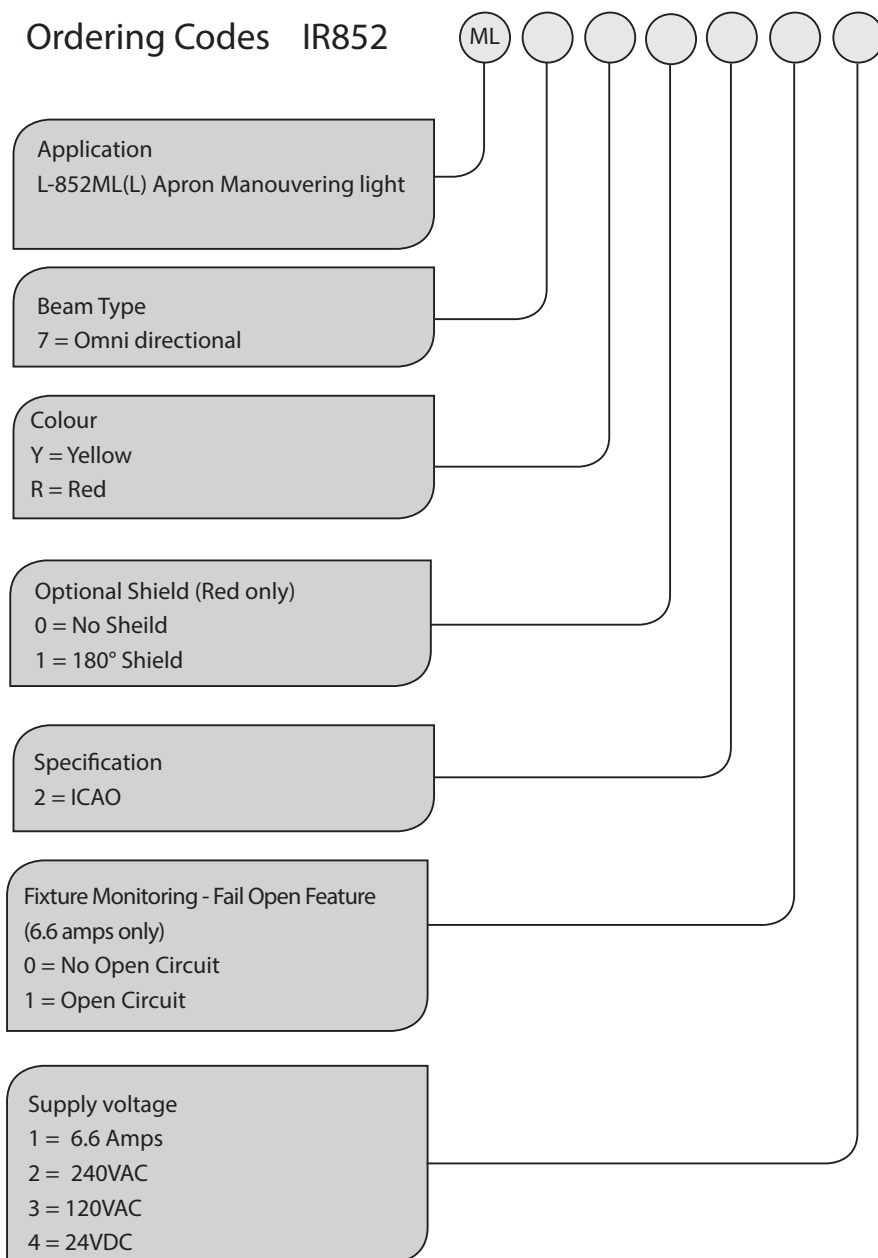
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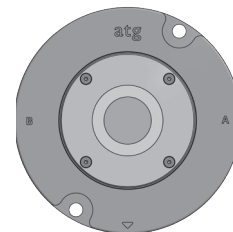
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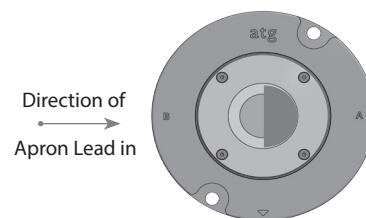
Ordering Codes IR852



Beam Options



IR852ML(L)
Omni-Directional



IR852ML(L)
Uni-Directional

Electrical supply note:

Supply lead on 6.6 amp option is a standard FAA 2 pin plug. An earthing point is available on the bottom cover.

All other options supplied with a 3 pin plug, the third pin for earth connection. 3 pin socket is also supplied with this type of fixture.

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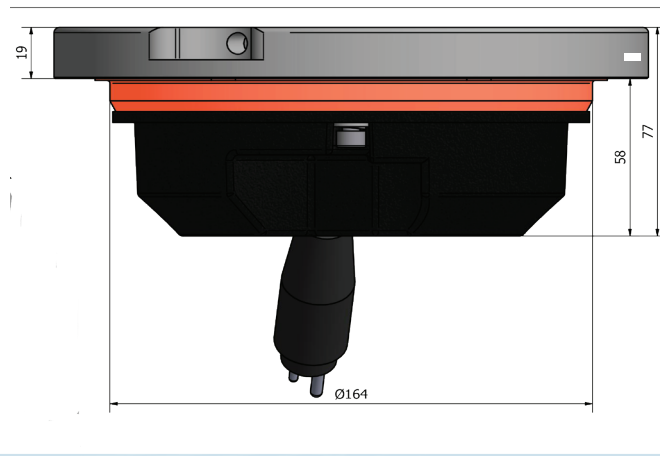
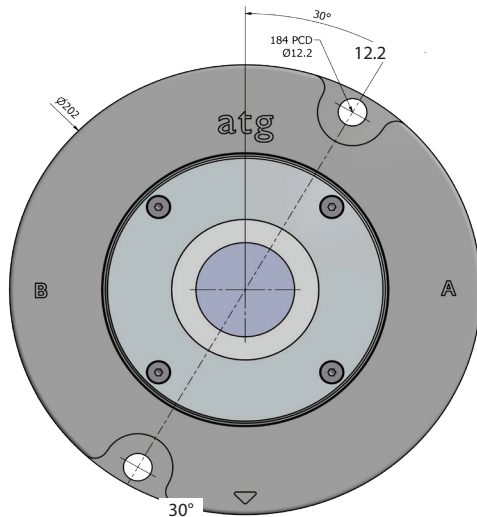
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Dimensions



Packaging

- ▶ Net weight 3.12Kg
- ▶ Gross weight 3.52Kg (boxed)
- ▶ Box 260mm (L) x 260mm (W) x 175mm (H)

*Dimensions are nominal

Consultants specification and installation information for the Iris range is available by request.

Contact marketing@atgairports for further details.

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



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