

LED technology



IR852ML

LED 8" Aircraft Stand
Manoeuvring Guidance
and stop lighting solution

Applications

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

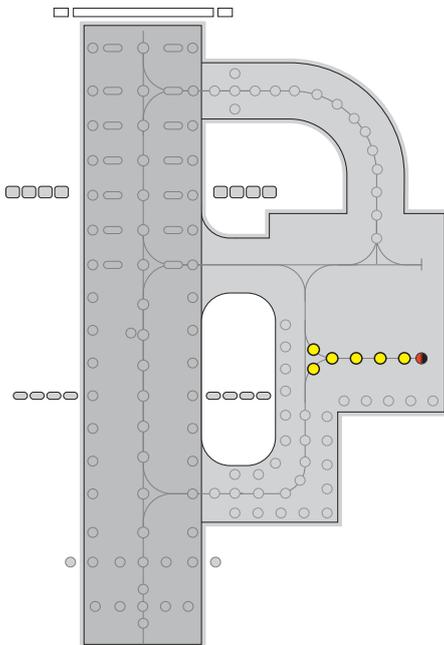
Features

- ▶ Body casting manufactured from aluminium alloy for lightness, strength and durability
- ▶ IEC 8" body style as standard
- ▶ Long life LED
- ▶ Prism removal and replacement achieved without the need for adhesive or sealants
- ▶ Pre-focused optics to simplify maintenance procedures.
- ▶ Low profile Omm Grade

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	Typical Power Consumption - Watts (VA) @ 6.6A				
Horiz(°)	Vert(°)		Per Beam Watts	Fitting* 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)
- ▶ Storage Temperature -55°C to +55°C (-67°F to +131°F)

▶ Ingress Protection IP66

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

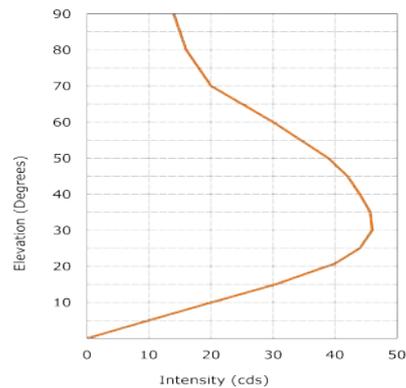
Typical Measured Values

Typical intensity at 5° 10 cds

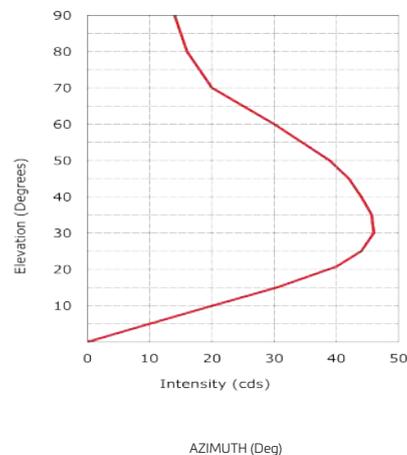
Typical intensity at 10° 20 cds

Typical maximum intensity 45 cds

Intensity Chart - IR852ML Aircraft Stand Manoeuvring light - Yellow



Intensity Chart - IR852ML Aircraft Stand Manoeuvring light - Red



UK: +44 (0) 1942 68 5555 | USA: 001 (239) 985-9406

LED AGL
IR852ML

www.atgairports.com enquiries@atgairports.com sales-usa@atgairports.com

IR852ML LED 8" Aircraft Stand Manoeuvring Guidance lighting solutions



Ordering Codes:



Application
L-852ML(L) Apron Manoeuvring light

Beam Type
7 = Omni directional

Colour
Y = Yellow
R = Red

Optional Shield (Red only)
0 = No Shield
1 = 180° Shield

Specification
2 = ICAO

Fixture Monitoring - Fail Open Feature (6.6 amps only)
0 = No Open Circuit
1 = Open Circuit

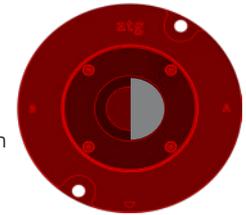
Supply voltage
1 = 6.6 Amps
2 = 240VAC
3 = 120VAC
4 = 24VDC

Beam Options



IR852ML(L)
Omni-Directional

Direction of
Apron Lead in



IR852ML(L)
Uni-Directional

Electrical supply note:

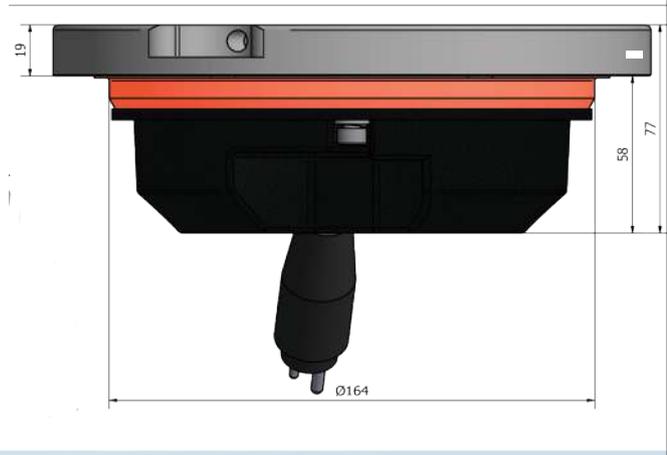
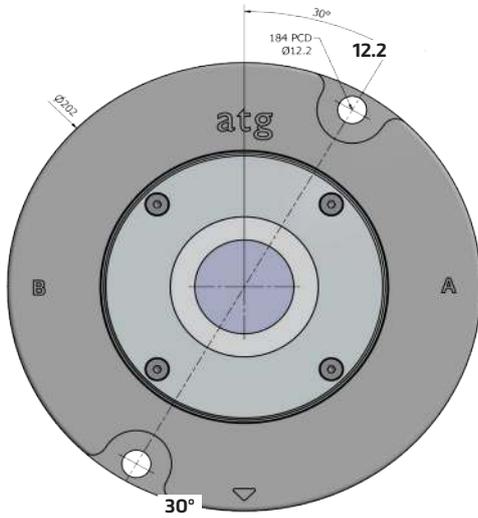
Supply lead on 6.6 amp option is a standard FAA 2 pin plug. An earthing point is available on the bottom cover.

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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Guidance lighting solutions

Dimensions



Packaging

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

*Dimensions are nominal



Head Office:
atg airports ltd
Lowton Business Park | Newton Road
Lowton St. Mary's | Warrington
WA3 2AP | United Kingdom



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

UK: +44 (0) 1942 68 5555 | USA: 001 (239) 985-9406

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www.atgairports.com enquiries@atgairports.com sales-usa@atgairports.com