

'Feel
your Airport'

Primary Cable is the Backbone

GI-RTE

***Inset Runway Combined
Threshold/End Light***

Standard compliance

ICAO

Aerodrome Design Manual
Annex 14, Volume 1

EASA

CS-ADR-DNS Issue 5

AENA

DIN/DSEYN/PPT/010-03/12

STAC

SPE/SE/E/VIS/6008

IEC

61827

FAA

AC150/5345-46, EB67

Use

Inset Runway Combined
Threshold/End Light

Description

Low protrusion (6mm) 12" inset light.

Low consumption dimmable LED light (EB67).

Compatible with existing AGL infrastructures (6,6A IEC/FAA CCRs, thyristor or IGBT).

Transformerless architecture with low inrush current and high power factor.

Forged aluminium body.

Shared parts across the whole range of lights thanks to a modular design, to reduce spare references.

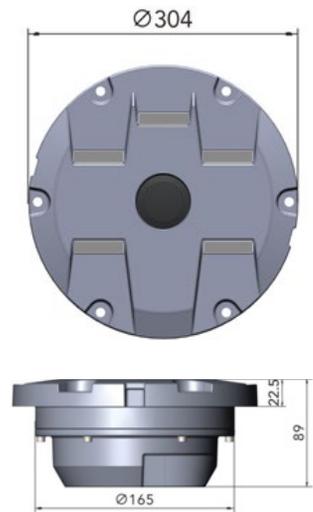
Open fail monitoring capability.

Surge protection.

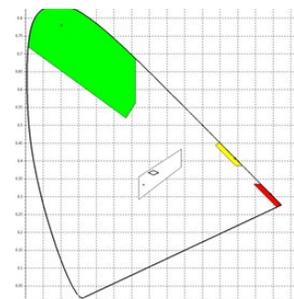
Technical Data

Environment	
Operating temperature	-55°C/+55°C
Storage temperature	-55°C/+85°C
Protection index	IP68
Humidity	0%-100%
Mechanical	
Diameter	304mm
Protrusion	6mm
Height	89mm
Weight	6kg
Electrical	
Power Supply	2,8A - 6,6A
Max admissible current	12A
Power Consumption	Green: 34W Red: 10w
Power factor	>97%
Life span	>80000H

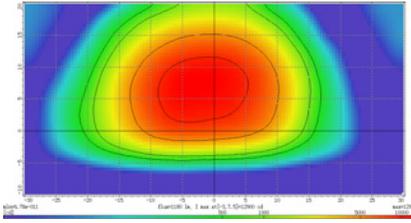
Drawing



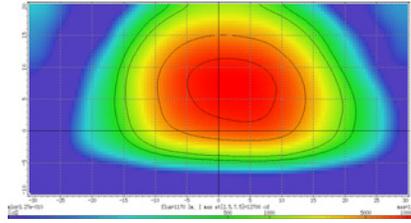
Chromaticity



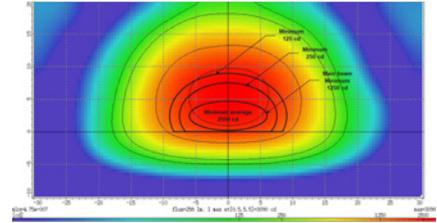
Photometry



Green (Left)



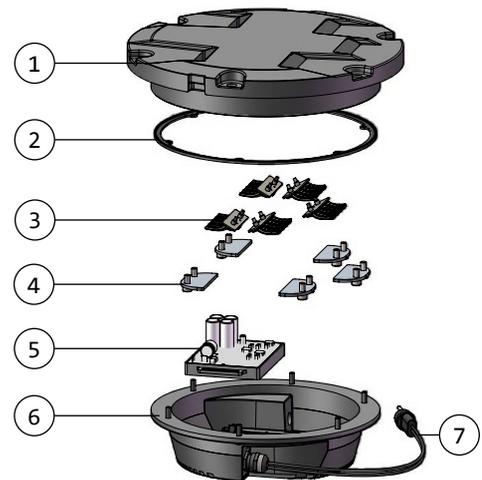
Green (Right)



Red

Components and spare parts

Drawing Reference	Part	Code
1, 2 and 4	12" inset bidi. top part, 5 prisms assembled	IN12TOP0002
6 and 7	12" inset bottom part, single	IN12BOT0000
6 and 7	12" inset bottom part, dual	IN12BOT0001
4	Prism support for 12" inset	IN12INT0000
-	LED connection cable 03	IN12INT0001
-	Label for red straight	LIACINTRS00
-	Label for green straight	LIACINTGS00
-	Label for green sides	LIACINTGS00
-	Electronic FOM module (5503)	LIACINT0000
2	Seal ring for 12" inset light fixture	IN12INT0002
-	Seal ring for 12" base	IN12EXT0001
5	Driver module for 1 cable lead	IN12INT0003
5	Driver module for 2nd cable lead	IN12INT0004
3	LED light source G1A0D	IN12LEDGS00
3	LED light source G1A1D	IN12LEDGR00
3	LED light source G1A2D	IN12LEDGL00
3	LED light source R1A0A	IN12LEDR003
7	Light cable lead 40cm long with gland	LIAC0000000



Ordering Code

COLOUR

G (Green), R (Red), B (Blank)
A: Channel A
B: Channel B

BEAM DIRECTION (TOE-IN)

R: Right
L: Left

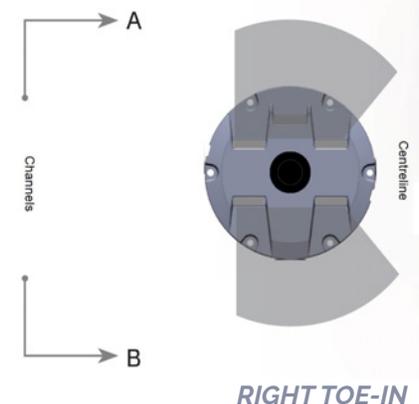
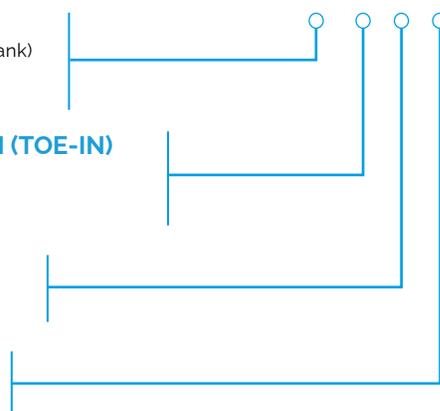
CONNECTORS

1 1FAA L-823 bipolar
2 2FAA L-823 bipolar

MONITORING

0 No
1 Fail open

GI-RTE - AB - X - X - X





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