

SafeLED and SafeLED IQ Elevated Light

Runway Edge, L-862(L)

Description

The elevated light fixture is a high intensity, precision approach, bidirectional or omnidirectional (with circular guidance module added) LED-based light fixture provided with white, yellow or red LEDs. This fixture has following application areas:

- Runway Edge Elevated Light for runways up to 60m wide; ICAO §5.3.9
- L-862(L) Runway Edge Elevated Light; FAA AC 150/5345-46D



Features & Benefits

- available in two versions:
 - SafeLED IQ with integrated intelligence
 - SafeLED with integrated fail-open technology
- compatibility between SafeLED IQ version and Safegate ASP and 2A system for further power savings and ILCMS
- fully encapsulated all-in-one electronics
- built-in voltage surge and lightning protection
- light-emitting diode (LED) technology that offers a long lasting light source with low power consumption
- no visual flicker for SafeLED light fixture
- IP67 protected, anodized and powder coated aluminium housing designed for harsh weather environments (all fastenings in stainless steel)
- optical surfaces in tempered glass
- operational on 3- or 5-step ferroresonant or thyristor CCRs designed in compliance with IEC or FAA requirements
- easy handling and maintenance by modular design with few mechanical parts
- compatibility with existing infrastructure

Compliances & Certifications

ICAO: Annex 14 Volume 1, Sixth Edition

FAA: AC 150/5345-46D

FAA Engineering Brief No. 67D

IEC 61827

STAC

Configuration Options/ Ordering Information

Parameter	Indicator
Name	SafeLED
Function	
SafeLED (fail-open)	
IQ0 (IQ disabled)*	IQ0
IQ1 (IQ enabled)*	IQ1
Description	
Runway Edge	RE
Fixture	
Elevated	E
Type	
Bidirectional (for precision approach)	U
Omnidirectional (with omnimodule for circular guidance)	O
Colour	
<i>(first letter indicates colour of the right side facing towards the runway. For more detail see manual.)</i>	
White-White	WW
Yellow-White	YW
White-Yellow	WY
Red-White	RW
White-Red	WR
Red-Yellow	RY
Yellow-Red	YR
Power Supply	
2.8 - 6.6 A / 2A	6.6A
Connectors	
1 Connector**	1C
1 Connector***	1C-24"
1 Connector***	1C-30"

Note:

* The IQ-functionality allows control and monitoring of the SafeLED IQ. IQ1 fittings are pre-configured for the specific position at delivery. This function is disabled in IQ0 fittings but could be enabled in a later state.

** Standard ICAO height. Breakable coupling to be ordered separately.

***The length of the cable is customized to fit on a tube and the total height of the fixture comes up to 30" (only for FAA version). The tube and the breakable coupling to be ordered separately.

Ordering Code example:

SafeLED-IQ1-RE-E-B-RW-6.6A-1C

Technical Data

Power Consumption

Order codes	Fixture Load
RE-E WW for Precision Approach	27 W
RE-E WY for Precision Approach	26 W
RE-E WR for Precision Approach	23 W
RE-E RY for Precision Approach	21 W
RE-E WW for Circular Guidance	36 W
RE-E WY for Circular Guidance	34 W
RE-E WR for Circular Guidance	30 W
RE-E RY for Circular Guidance	28 W

Operating Conditions

Parameter	Value
Operating humidity range	Up to 100%
Operating temperature	-55 °C to +60 °C
Storage temperature range	-60 °C to +80 °C

Power Supply

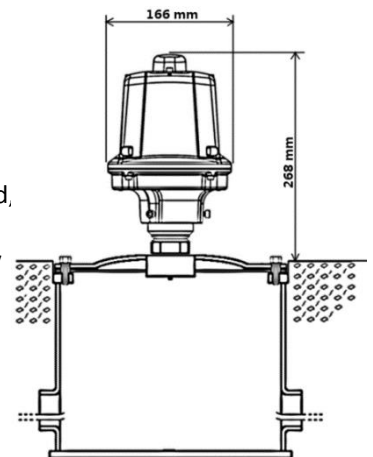
An integrated, encapsulated 6.6A electronic converter.
Two-pole L-823 plug for connection to the transformer.
Power factor typically 0.9 @ 6.6A.

Weight

2.4 kg/ 5.3 lbs

Installation

The light fixture can be installed on a tripod stand, conduit elbow, FAA deep can and base plate or any other support with a 60 mm tube with wall thickness of 4±2 mm. Breakable coupling not included.



For more information about the product, including manuals and certifications, please see the AFL Product Catalogue.

For further details, you can always contact your local Safegate Group Office.

Safegate Group HQ

Djurhagegatan 19,
SE-213 76 Malmö, Sweden

market@safegate.com • www.safegate.com