

# SafeLED and SafeLED IQ Elevated Light

## Runway End

### Description

The elevated light fixture is a high intensity, unidirectional LED-based light fixture provided with red LEDs.

### Applications

Runway End (ICAO §5.3.11)

### 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

EASA

## Configuration Options/ Ordering Information

| Ordering Code       | SafeLED | X | X | X | X | X | X | X |
|---------------------|---------|---|---|---|---|---|---|---|
| <b>Function</b>     |         |   |   |   |   |   |   |   |
| SafeLED (fail-open) | -       |   |   |   |   |   |   |   |
| IQ0 (IQ disabled)*  | IQ0     |   |   |   |   |   |   |   |
| IQ1 (IQ enabled)*   | IQ1     |   |   |   |   |   |   |   |
| <b>Description</b>  |         |   |   |   |   |   |   |   |
| Runway End          | RN      |   |   |   |   |   |   |   |
| <b>Fixture</b>      |         |   |   |   |   |   |   |   |
| Elevated            | E       |   |   |   |   |   |   |   |
| <b>Type</b>         |         |   |   |   |   |   |   |   |
| Unidirectional      | U       |   |   |   |   |   |   |   |
| <b>Colour</b>       |         |   |   |   |   |   |   |   |
| Red                 | R       |   |   |   |   |   |   |   |
| <b>Power Supply</b> |         |   |   |   |   |   |   |   |
| 2.8 - 6.6 A / 2A    | 6.6A    |   |   |   |   |   |   |   |
| <b>Connectors</b>   |         |   |   |   |   |   |   |   |
| 1 Connector         | 1C      |   |   |   |   |   |   |   |

## Dimensions & Packaging

|                   |  |
|-------------------|--|
| Weight:           | 3.9 kg / 8.7 lbs                       |
| Packaging:        | 400 x 250 x 220 mm / 15.9 x 9.9 x 8.7" |
| Packaging Weight: | 4.9 kg / 10.9 lbs                      |

### Safegate Group HQ

Djurhagegatan 19, SE-213 76 Malmö, Sweden  
[market@safegate.com](mailto:market@safegate.com) • [www.safegate.com](http://www.safegate.com)

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 Version: 1.0

## Power Consumption

| Order codes      | Fixture Load |
|------------------|--------------|
| Runway End – Red | 16 W         |

## Operating Conditions

|                           |                  |
|---------------------------|------------------|
| Operating humidity range  | Up to 100%       |
| Operating temperature     | -40 °C to +55 °C |
| Storage temperature range | -55 °C to +75 °C |

## Power Supply

An integrated, encapsulated 6.6A electronic converter. Two-pole L-823 plug for connection to the transformer. Power factor typically >0.95 @ 6.6A.

## Photometric Data

