HELIPORT LIGHTING

SL-HF-I, SL-HT-I

8" SafeLED Omnidirectional Inset Light
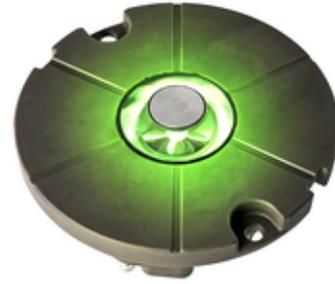
Compliance with Standards

ICAO: Annex 14 Volume II Amendment 3, 2004. Paragraphs 5.3.6, 5.3.7 and 5.3.8

Uses

SafeLED heliport inset light is an omnidirectional, LED-based light fixture. It is a robust construction designed for harsh weather environments with encapsulated electronics. The housing is IP67 protected. The protrusion above ground is only 9 mm for minimal risk of external mechanical impact. It can be mounted in shallow bases with a total depth of only 100 mm. The SafeLED heliport inset light comes with a cable in order to make the installation easy and safe. This fixture has following application areas:

- Final Approach and Take Off area (FATO)
- Touchdown and Lift Off area (TLOF)
- Aiming Point

Features & Benefits

- Low power consumption: Only 8 Watts for TLOF
- Low projection: 9 mm (<1/2")
- Low shallow depth. For information regarding base compatibility, please contact your local sales representative.
- The fixture is IP67 protected
- All external parts are made of anodized aluminum alloy castings
- All fixings and fastenings are stainless steel
- No negative slope
- Over voltage surge and lightning protection
- All-in-one integrated and molded electronics with one connector
- It is designed to allow easy maintenance

Technical characteristics

Power consumption @ 230V

Characteristic	Symbol	Min	Max	Unit
SafeLED HT-I, TLOF	P_{tot}		8	W
SafeLED HF-I, FATO, Aiming Point	P_{tot}		25	W
Note: Power Factor (PF) Typically 0.7				

Environment

Characteristic	Symbol	Min	Max	Unit
Operating humidity range	RH	0	100	%
Operating temperature range	T_A	-40	+55	°C
Storage temperature range	T_{STG}	-55	+75	°C

Power Supply	Integrated, encapsulated electronic converter. Cable 3 × 1.0 mm², length 1.0 m, Ø 7.5 mm for 230 VAC, 50Hz.
Optics	Equipped with 1 LED. No color filters required, colors obtained directly by the LED in compliance with standards. High Intensity LED with durable plastic lens mounted on a PCB specially formulated for high power lighting LED applications. **Note:** Lifetime of LED depending on operation.

Photometry	Distribution and homogeneity comply with Appendix 2 of I.C.A.O Annex 14 Volume II Amendment 3, 2004.
Color	White or Green LED. Chromaticity complies with ICAO Annex 14 Volume I, obtained directly by the LED.
Finish	All external parts are made of anodized tempered aluminum alloy casting. All fixings and fastenings are stainless steel.
Protection	IP67
Dimensions	Projection 9.0 mm, Diameter 203 mm (8")
Net Weight	3.0 kg

Packaging

Volume m³	Dimensions mm	Weight kg
0.0074	230 × 230 × 140	3.0

Note: For more information, please see the Product Center on our website: www.adbsafegate.com.

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Photometric examples

Below photometric examples of different light configurations according to standards of ICAO.

SafeLED HF-I, FATO, Aiming Point

ICAO

White light
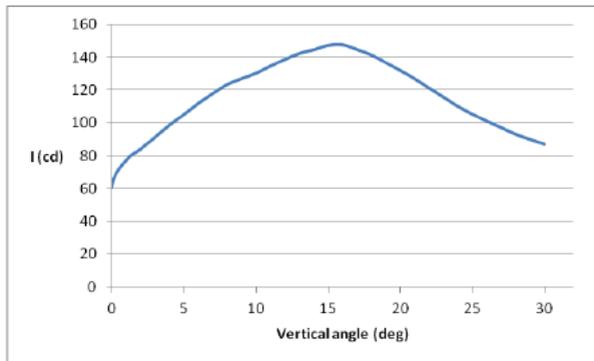
SafeLED HT-I, TLOF

ICAO

Green light
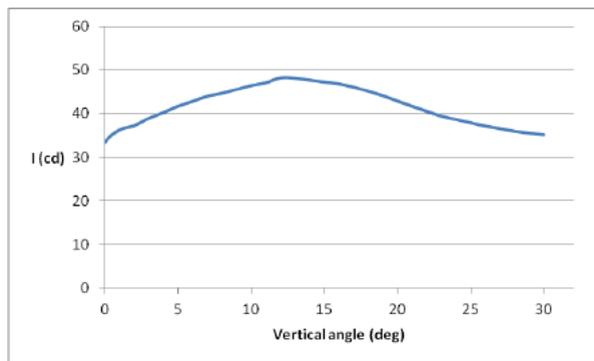
Note: cd – candela (unit of luminous intensity).

Design

Components

1. Top Cover
2. O-ring gasket, 8" base
3. Prism gasket
4. Omni-directional prism
5. Prism washer
6. LED board
7. Prism holder
8. Bottom cover gasket
9. Converter assembly
10. Power cable (3×1.0mm^2)
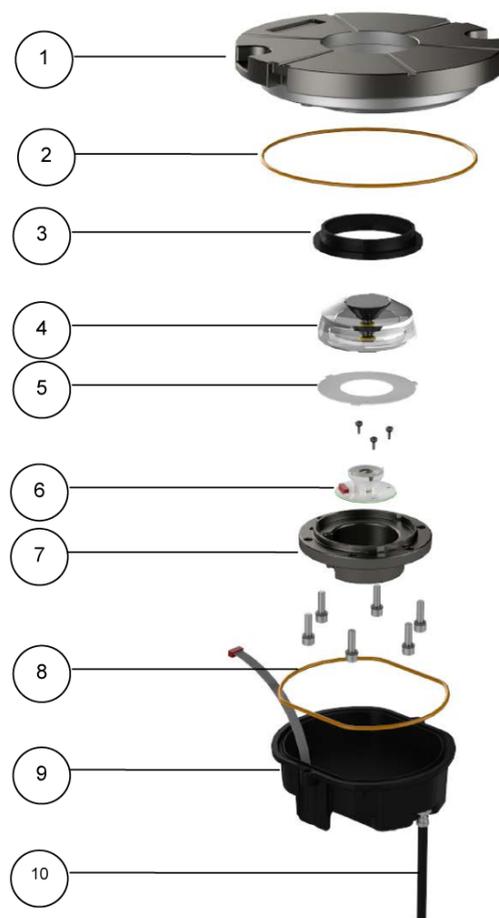
SL-HF-I; SL-HT-I

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Installation

The light fixture can be installed in an 8" shallow base minimum height 100 mm with side or bottom entry for the cable.
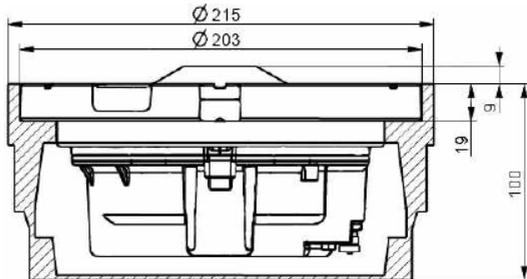
Note: Contact ADB SAFEGATE for advice regarding selection of a suitable 8" base.

Note: The inset light supports bases with two anti-rotation pins.

Order codes

The table below is a guide to order codes for a SafeLED heliport inset light with **X** representing the available component parts.

Configuration description	Components	-X	-X	-X	-X	-X	-X
SafeLED (SL)	-						
Location							
FATO / Aiming Point		HF					
TLOF		HT					
Fitting							
Inset			I				
Type							
Omni-directional				O			
Color(s)							
Green					F		
White					W		
System							
VAC						VAC	
Connection							
1 Connector							1C
Additional Shallow base and Adapter ring. For more information, contact ADB SAFEGATE or see *www.adbsafegate.com* .							

Note: All descriptions and photometric characteristics in this publication present only general particulars and shall not form part of any contract. The right is reserved to change them without prior notification.