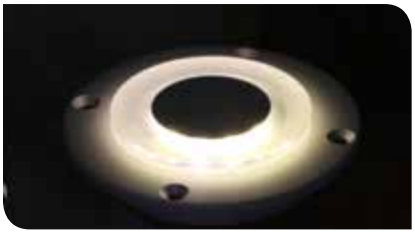
Inset Helipad Light

AV-HLI

Avlite's omnidirectional LED inset helipad light can be used as visual aid for helipads. They have been designed to meet the standards of ICAO Annex 14 Volume 2 and FAA Engineering Brief 87 Heliport Perimeter Light for Visual Meteorological Conditions.

As an alternative to elevated lights, Avlite's inset helipad lights are an excellent choice for locations where elevated lights are not suitable or can cause interference to passing aircraft and maintenance vehicles.

The lights can be dimmed from 100%–0 to reduce glare and are available with optional infrared (IR) visibility for pilots using night vision.



Inset FATO Light

Robust Construction

Able to withstand the harshest environments, the unit is made from robust, corrosion-resistant anodised aluminium with a UV-stabilised lens with excellent impact resistance, thermal stability and transparency. The electronics are fully encapsulated for further protection.

High efficiency LEDs with over 100,000 hour life expectancy are used ensuring the lights are long lasting and low maintenance.

Plug & Play Design

The inset helipad lights are compatible with existing infrastructure and come with a simple plug and play connection making them simple to install.

Optional LCMS Helipad Control System

An optional LCMS (Lighting Control & Monitoring System) can be supplied and integrated with the inset helipad lights to provide central control and/or remote operation functionality for a variety of helipad operations.

Features

- Optimized light output
- Compact and low profile, <10mm (0.4")
- Optimized for integration in elevated helipads
- Fully sealed optics and electronics maximum resistance against liquid and dust intrusion and mechanical shocks
- Safe Extra Low Voltage compliant
- Compatible with existing infrastructure
- Low power consumption
- Built in surge protection
- Optional IR model for pilots using NVG

Applications

- Touch Down and Lift Off Areas (TLOF)
- Final Approach and Take Off Areas (FATO)
- Flight Path Alignment Lights
- Flight Path Alignment Guidance Lights
- Aim Point Light

Compliance

- Designed to meet ICAO Annex 14 - Aerodromes, Volume II, Heliports
- Designed to meet FAA Engineering Brief 87

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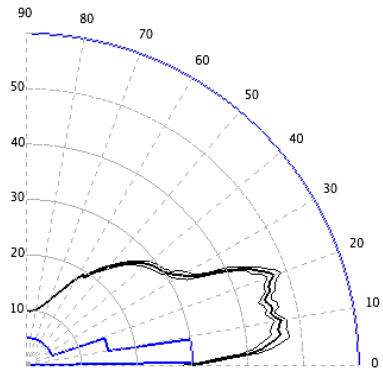
Technical Specifications •*

AV-HLI	
Light Characteristics	
Available colours	Green: TLOF (ICAO & FAA), FATO (FAA), Flight Path Alignnment (FAA) White: FATO (ICAO), Aim Point (ICAO), Flight Path Alignnment Guidance (ICAO)
Peak Intensity - Visible (cd)	Complies to: ICAO Annex 14 Vol 2. FAA EB 87 CAP 437
Peak Intensity - IR (mW/str)	240
Intensity/dimming	0 to 100% dimmable for Visible IR Option: IR continuous on With LCMS: IR switchable
LED Life Expectancy (hours)	>100,000
Electrical Characteristics	
Operating Voltage (VDC)	18 – 30 V
Power (W)	TLOF/Approach Direction Indicator: max 6.5W FATO/Aim Point: max 12.5W IR model: add 0.3W
Temperature Range (operating)	Operating: -40 to 55°C Storage: -40 to 85°C
Physical Characteristics	
Body Material	Corrosion resistant anodised aluminium
Lens Diameter (mm/inches)	80 / 3 ⅛
Lens Design	LED optic
Mounting	4x M5 Screws
Height (mm/inches)	52.5 / 2
Diameter (mm/inches)	120 / 4¾
Mass (kg/lbs)	0.9 / 2
Certifications	
CE	EN61000-6-3:2007. EN61000-6-1:2007
Quality Assurance	ISO9001:2015
Waterproof	IP68
Intellectual Property	
Trademarks	AVLITE® is a registered trademark of Avlite Systems
Warranty *	2 year warranty
Options Available	· AC/DC converter for AC/DC · Variety of solar/battery configuration · IR LEDs · Adaptor Plate for mounting in 8" Shallow Bases according to IEC TS 61827 / FAA AC 5439/150-46D · 8" Shallow Base · 5" Shallow Base · LCMS Helipad Control System

CE
- • Specifications subject to change or variation without notice
- * Subject to standard terms and conditions
- † Intensity setting subject to solar availability

LIGHT DISTRIBUTION



TLOF (green) & ADI (white)

How to Order AV-HLI

AV-HLI-[?]-[24]-[Colour]

Product No.:

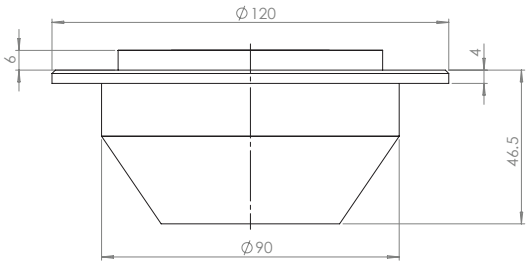
Certification:
ICAO
FAA

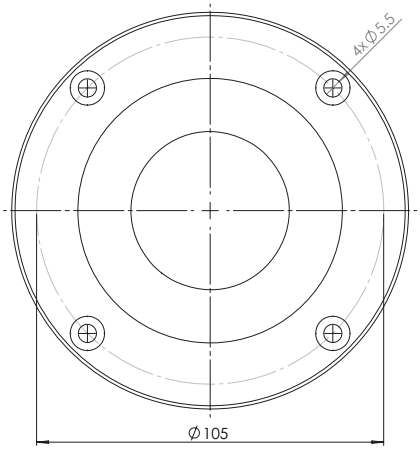
Model:
24 = 24V DC

Colour:
G = Green
W = White
IR = Infrared

Technical Illustrations

8" base can installation with adapter ring





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