5" Inset Lights

5" INSET LED-LIGHT 6I6 CCR FULL FLUSH

The 5" Inset LED-Light 6I6 CCR Low Intensity Full Flush is designated as an omnidirectional visual navigation aid for heliports and airports where a 6.6 CCR serial circuit is deployed and propulsion is unwanted due to operational reasons.

Key Features

- 6.6 CCR serial circuit compatible
- Continuous or descrete dimming
- No propulsion
- No fogging
- Infrared capability optional available
- 100'000h service lifetime due to optimized electronics and thermal management
- Enhanced surge current protection
- CE certified
- Protection Class IP68 (IEC69598-1)

Design Concept

- Compact design
- Corrosion and UV resistant materials
- Optimized light output due to patented optics concept
- Maximum resistance against intrusion of liquid, dust and mechanical shocks due to fully sealed optics and electronics.

Purpose

- Touch Down and Lift Off Area Light - Green
- Final Approach and Take Off Area Light - White
- Flight Path Alignment Light - White
- Flight Path Alignment Guidance Light - White
- Perimeter Light - Green
- Aim Point Light - White
- Taxiway Edge Light - Blue
- Multi purpose light (Warning) - Red
- Runway Threshold Light - Green
- Threshold Wing Bar - Green
- Runway Edge Light- Red/White
- Runway End Light- Red
- Runway Treshold/End Light - Green/Red
- Circling Guidance Light - White
- Aircraft Stand Manoevering Guidance Light
- Aircraft Stand Warning Light - Red

Product Specifications

Mechanical Data		
Height	Above / Below Flange Front Side	0mm / 40mm
Diameter	Upper / Lower Flange	120mm / 90mm
Net Weight	0.65kg	
Packing Dimensions	190 X 190 X 160mm	
Gross Weight	0.9kg	
Material	Optic	Solid PUR, UV-resistant
	Flange	Aluminum anodized
Protection Class	IP68 (IEC69598-1)	
Recommended Mounting	4x M5x8mm V4A countersunk head screws	

Electrical Data		
Operating Current	1.8A - 6.7A RMS	
CCR Type	Sine Wave and Thyristor	
Powerfactor	>70%	
Power Consumption	Idle (without / with IR)	5.2W / 5.3W
	Blue (without / with IR)	9.8W / 9.9W
	Green (without / with IR)	(9.8W / 14.1W*) / (9.9W / 14.6W*)
	Green/Red (without / with IR)	14.1W / 14.6W
	Red (without / with IR)	(9.8W / 14.1W*) / (9.9W / 14.6W*)
	White (without / with IR)	14.1W / 14.6W
	Amber (without / with IR)	14.1W / 14.6W
Surge Protection	8/20µs	5kA 10 times
		10kA 1 time
	1.2/50µs	10kV 10 times
Failure Detection	Fail Open with magnetic reset	
Power Cable	Length	25cm
	Material	TPE
	Diameter (coated)	Ø6mm, 2x 3.2mm²
	Connector	FAA L-823 Style 6

** Heliport application*

Product Specifications

Illuminating Data		
Color	Blue	CIE X0.14 Y0.07
	Green	CIE X0.17 Y0.71
	Red	CIE X0.70 Y0.30
	White	CIE X0.34 Y0.37
	Amber	CIE X0.40 Y0.41
Luminosity	Blue	5cd
	Green	35cd
	Red	20cd
	White	35cd
	Amber	35cd
Dimming	Visible	Continuous 0-100% / Descrete 0, 10, 30, 100%
	Infrared	Not dimmable, continuous on
Infrared Option	Wavelength	850nm
	Radiant Intensity	20mW/sr, CW, 15-60° elevation
	Wattage	120mW

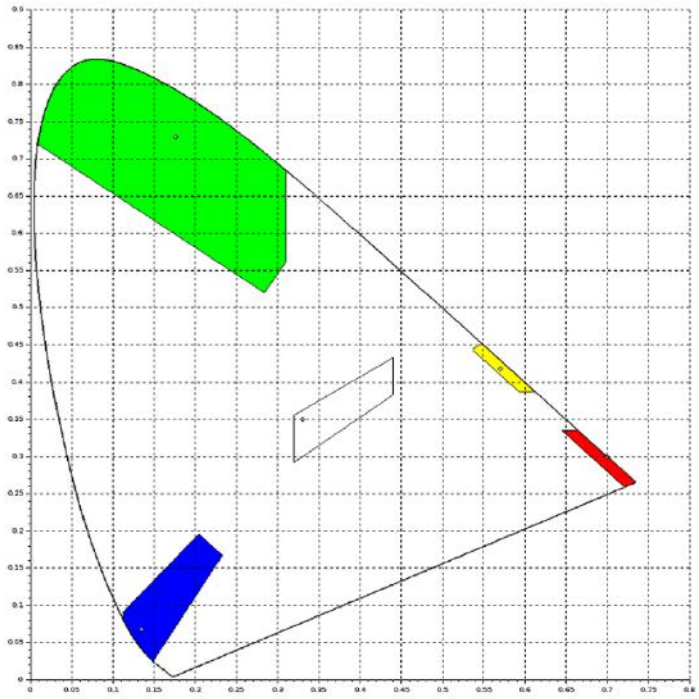
Referred Standards
ICAO Annex 14 Vol 1. Aerodrome Design and Operation Edition 8/ 2018
FAA Engineering Brief 67D Light Sources others than Incandescent and Xenon/ 2012
IEC TS 61827 Electrical Installations for Lighting and Beaconing of Aerodrome/ 2004
IEC TS 61822 Electrical Installations for Lighting and Beaconing of Aerodrome - Constant current regulators/ 2009

Environmental Condition	
Operating Temperature	-40°C to +55°C
Storage Temperature	-40°C to +85°C
Solar Radiation Resistance	1kW/m², superimposed with operating temperature

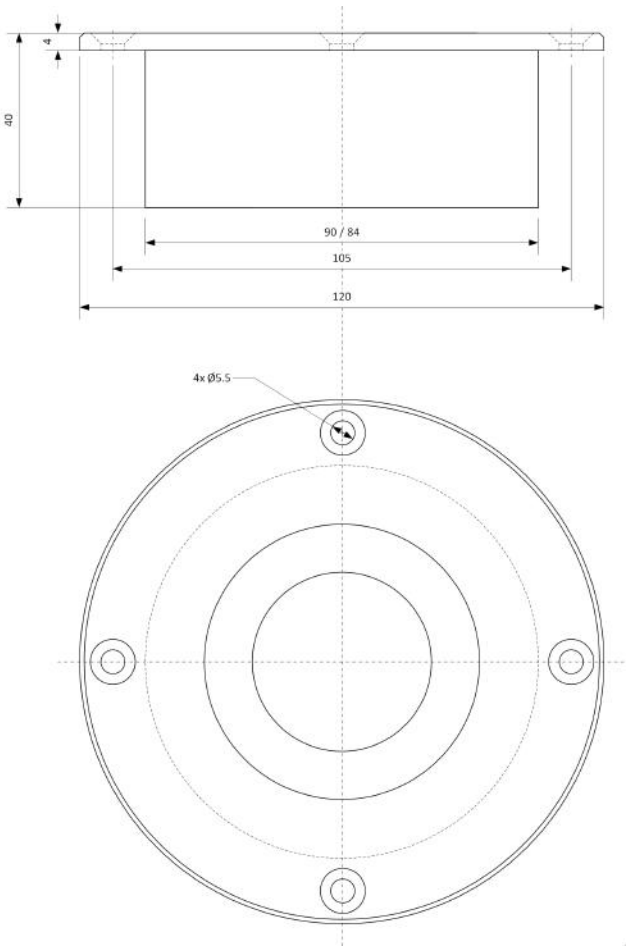
Service Life	
Service Lifetime	> 100'000h

Accessories
8-5" Adaptor Ring (2IL8-AR-85)
5" Shallow Base (2IL5-SB)
M5x8mm V4A countersunk head screws
90x3mm O-Rings

Chromaticity



Dimensions



Product Variants and Order Code

Order Code	Color					IR Option
	Blue	Green	Red	White	Amber	NV Gen.
2IL5-FF-6I6-A-0-B	x					
2IL5-FF-6I6-A-0-B-NVG	x					x
2IL5-FF-6I6-A-0-G		x				
2IL5-FF-6I6-A-0-G-NVG		x				x
2IL5-FF-6I6-A-0-R			x			
2IL5-FF-6I6-A-0-R-NVG			x			x
2IL5-FF-6I6-A-0-W				x		
2IL5-FF-6I6-A-0-W-NVG				x		x
2IL5-FF-6I6-A-0-Y					x	
2IL5-FF-6I6-A-0-Y-NVG					x	x

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