Airsafe

■APPS-12-LED

■ LED Inpavement Approach Centerline Light (12" 6mm)



Compliance with Standards

CAAC: AC-137-CA-2015-01 CAAC: AC-137-CA-2015-03

SAC: GB/T 7256

ICAO: Annex 14, Volume I

IEC: TS 61827 FAA: AC 150/5345-46 FAA: EB NO.67 NATO: STANAG 3316

Application/Use

Approach centerline light

Features

- LED is featured by long life, effective energy saving, maintenance
 -free, which brings enormous economic benefits
- Proprietary prism structural design and manufacturing process to ensure excellent optical performance
- Strict LED color management to ensure premium color consistency
- Consistent dimming curve with halogen lamp fixture, complying with FAA standards
- Proprietary driving circuit and thermal management solution, which greatly improves the reliability and service life of light fixture
- Power factor above 0.9, minimizing the power network interference
- Optional function of single lamp failure detection, which enables the light to be open as halogen lamp once LED fails
- Specially-designed structure, protruding only 6.35mm above finish grade
- Upper cover with flat out-light surface to prevent from water buildup and ensure high luminous efficiency
- Upper cover with equal-strength design and forging craft, which has premium mechanical, barrier capacity, and shock resistance ability
- Smooth upper cover without sharp edge to prevent aircraft tires from damaging
- Main body of lighting fixture is made of high thermal conductive aluminum alloy, which ensures good heat dissipation performance
- Main structure made of corrosion-resistant aluminum alloy with special anodizing treatment, all fasteners are made of stainless steel, suitable for harsh environment application
- High-precision parts machining to ensure all dimensional quality and precision
- IP68 Ingress protection-grade, that can withstand inner pressure of up to 138kpa or water pressure generated from aircrafts' impact on the optical window
- Interchangeable, modular-designed components, applicable for all series
 of 12-inch LED in-pavement approach lights(6 mm), which effectively
 cuts down the inventories.

Ordering Information

Type

APPS-12=12"6mm in-pavement
approach centerline light

Beam direction

runway end
S=Straight

straight

straight

Light source

LED=LED lamp

Beam color

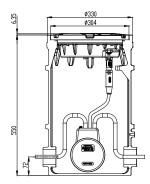
C=White

Optional Function

M=Single lamp fault detection function A=Arctic Kit

* Please provide detailed installation info while ordering, spare parts and accessories should be separately ordered with specific order no.

Installation



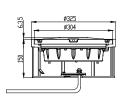


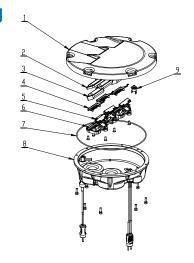
Fig 2. On 12" shallow base

Fig 1 On 12" deep base

* Please find detailed information in installation manual

Structure

- 1. upper cover
- 2. prism gasket sleeve
- 3. prism
- 4. LED lamp assy
- 5. prism gasket
- 6. prism pressing bracket
- 7. light body gasket
- 8. inner cover assy
- 9. thermal switch

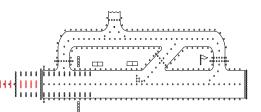






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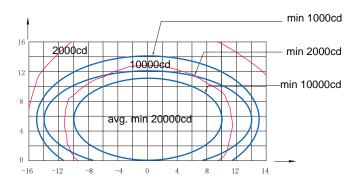


Specifications

Power: 72VA

Power Factor: ≥ 0.9

Photometric Data



APPS-12-LED (White), ICAO Figure A2-1 (Vertical main beam coverage 0—11°)

Application		Main beam		Co-	Req.	Actual
		Н	V	lor	min avg. cd	avg. cd
APPS-12 -LED	ICAO Figure A2-1	± 10°	0°-11°	clear	20000	23561
		± 10°	0.5° - 11.5°	clear	20000	23687
		± 10°	1.5° - 12.5°	clear	20000	23538
		± 10°	2.5° - 13.5°	clear	20000	23569

Packing Data

1light w/o base Packing size:330×330×150mm³

Unit net weight: 9 kg Gross weight: 9.7 kg

1 light w/ 12'shallow base Packing size:350x350x185mm³

Unit net weight: 13.42 kg Gross weight: 14.26 kg

Spare Parts

struc No.	Part Name	order No.	Description
2	prism gasket sleeve	43117	prism gasket sleeve (61×28)-Ho
3	prism	31158	prism (61×28) -H6
4	LED lamp assy	932053 -APPS-C	LED lamp assy-APPS-C
5	prism gasket	43316	prism gasket(67×21)
6	prism pressing bracket	43241	prism pressing bracket(71×65)
7	light body gasket	41135	O-ring 228.27×2.62

Accessories

No.	Order No.	Description	
1	SB-12	12"deep base	
2	DB-12	12"shallow base	
3	41115	12" base O-ring	
4	51121	12"lamp handle	
5	ITF-100-066	100-watt isolation transformer	
6	REC7	REC7 moulded type secondary cable receptacle style	