

## Compliance with Standards

CAAC: AC-137-CA-2015-01 & 03  
 SAC: GB/T 7256  
 ICAO: Annex 14, Volume I  
 IEC: TS 61827  
 FAA: AC 150/5345-46 & EB NO.67  
 NATO: STANAG 3316

## Application/Use

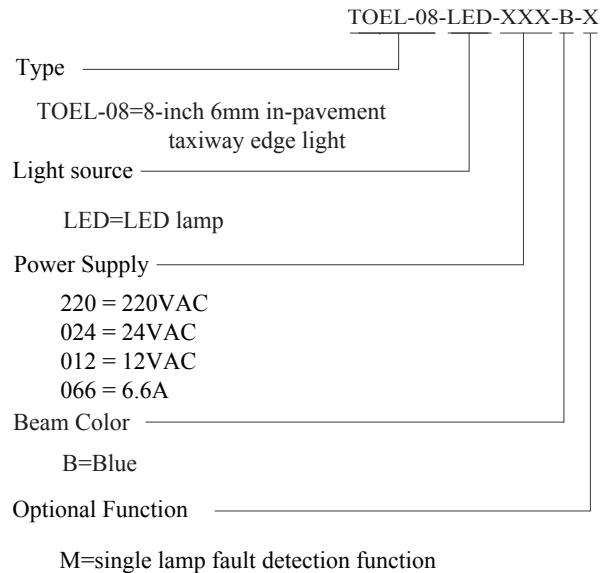
Taxiway edge light

## Features

- The LED light is featured by long life, energy saving, maintenance-free, which brings enormous economic benefits to customers
- Specially-designed LED lens to greatly improve luminous efficacy of LED lights
- Proprietary prism structural design and manufacturing process to ensure excellent optical performance
- Strict LED color management to ensure premium color consistency
- Light distribution consistent with that of halogen lights, complying with FAA standards
- Proprietary driver circuit and thermal management solution, which greatly improves the reliability and service life of light fixture
- Power factor above 0.9, which minimizes the power network disturbance
- Optional function of single lamp failure detection, which enables the light to simulate open circuit of halogen lamp when the LED light is damaged
- 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 and barrier capacity, and shock resistance ability
- Smooth and sleek upper cover to prevent from damaging aircraft tires
- Lighting fixture made of highly conductive aluminum alloy, which ensures good heat dispersion
- Main structure made of corrosion-resistant aluminum alloy with special anodic oxidation treatment, all fasteners are made of stainless steel, suitable for harsh environment application
- High-precision parts and components machining to ensure all dimensional quality and precision
- IP68-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 kinds of 8-inch omni-directional in-pavement taxiway lights(LED type)



## Ordering Information



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

## Installation

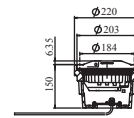


Fig 1. On 8'' shallow base

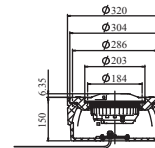


Fig 2. On 12'' shallow base w/12''/8'' adapter ring

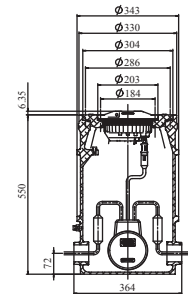
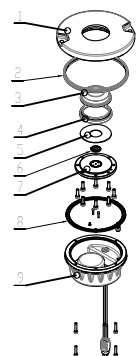


Fig 3. On 12'' deep base w/12''/8'' adapter ring

\* Please find detailed information in installation manual

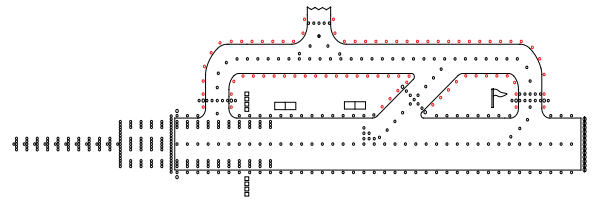
## Structure

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



■ TOEL-08-LED

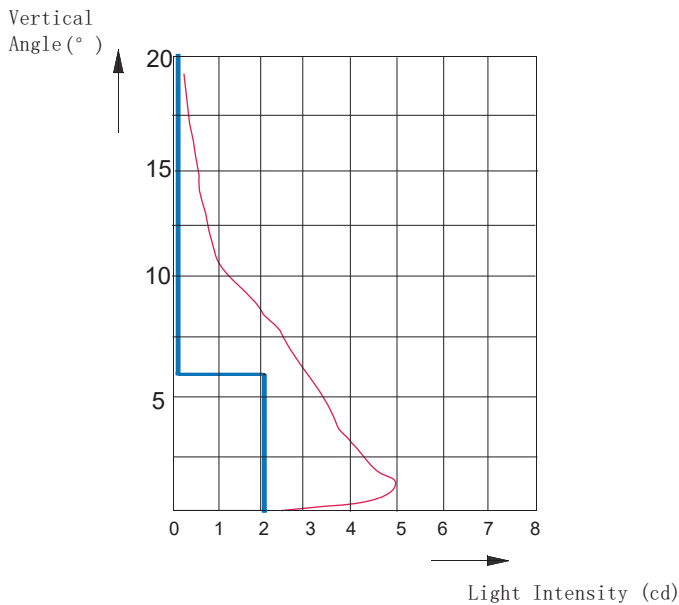
■ LED In-pavement Taxiway Edge Light (8" 6mm)



## Specifications

Power: 8VA  
Power factor:  $\geq 0.9$

## Photometric Data



TOEL-08-LED (Blue), ICAO Annex 14 Part 5.3.17.8, FAA L-852T

## Spare Parts

Struc No.	Part Name	Order No.	Description
2	light fixture gasket	41107	Seal belt(standard)
3	prism	31113	omnidirectional(LED1-6°)
4	prism gasket sleeve	43115	LED omnidirectional prism gasket sleeve
5	prism gasket	43311	prism gasketØ81
6	LED lamp assy	979263-B	LED lamp assy 1P-0 Blue (omnidirectional)
7	prism pressing bracket	43217	prism pressing bracket 108
8	light body gasket	41141	O-ring 137×2

## Accessories

No.	Order No.	Description
1	SB-08	8"shallow base
2	SB-12	12"shallow base
3	DB-12	12" deep base
4	AR-12/08	12"-8" adaptor ring
5	951101	8"lamp handle
6	ITF-015-066	15-watt isolation transformer
7	REC7	moulded type secondary cable receptacle style 7

Application		Main Beam		Color	Required min. cd	Actual min. cd
		H	V			
TOEL-08-LED	ICAO 5.3.17.8	360°	0°—6°	Blue	2	2.6
			6°—75°		0.2	0.2
	FAA L-852T	360°	1°—6°		2	2.8

## Packing Data

1 lights w/o base	Packing size: 210×210×130mm <sup>3</sup>
Unit net weight: 3.4 kg	Gross weight:3.5 kg
1 light w/ 8" shallow base	Packing size: 240×240×180mm <sup>3</sup>
Unit net weight: 6.4 kg	Gross weight: 6.5 kg