IMD

INSET MEDIUM INTENSITY LIGHT

LED VERY LOW PROTRUSION 6mm

Ordering Code

I	M	D	-	T	C	L	L	-	S	-	1	-	0	6	-	1	-	0	1	1	-	L

- Model Name: IMD-TCLL-S / TCLL-C / STBL-S
- Size: 1:8" 2:12"
- Lamp Wattage: 06=6.6A 6W (1W X 6, LED)
- Direction: 1: Unidirection 2:Bidirection
- Light Color: 01:Green/Green 02:Green/Yellow 03:Yellow 04:Green 05:Red
- No. of Leads: 1 or 2
- Beam Orientation: L:Left C:Center R:Right

Description

Description	Item	Specification
IMD-TCLL-S	LED Taxiway Centerline Light-Straight	6.6A 6W*2 Green/Green
		6.6A 6W*2 Green/Yellown
		6.6A 6W*1 Green
		6.6A 6W*1 Yellow
IMD-TCLL-C	LED Taxiway Centerline Light-Curved	6.6A 6W*2 Green/Green
		6.6A 6W*2 Green/Yellown
		6.6A 6W*1 Green
		6.6A 6W*1 Yellow
IMD-STBL-S	LED Inset Stopbar Light	6.6A 6W*1 Red

Spare Parts

Description	Specification	Ordering code
Upper cover	Unidirection-straight	Z130211L
	Unidirection-curved	Z130213L
	Bidirection-straight	Z130210L
	Bidirection-curved	Z130212L
Lower cover	For 1 lead	Z414210L
	For 2 Leads	Z141211L
Optical Assembly	Green	143-056L
	Yellow	143-057L
	Red	143-058L
Power supply Assembly	Unidirection	411-030LE
	Bidirection	411-031LE

YOUYANG
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CAT. NO: C-602-a

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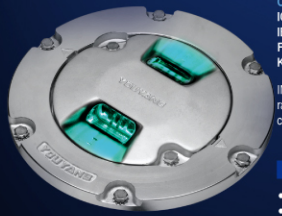
LED VERY LOW PROTRUSION 6mm

INSET MIDIUM INTENSITY LIGHT
嵌入式中光度灯

- IMD-TCLL-S: LED TAXIWAY CENTERLINE LIGHT (STRAIGHT SECTION) PROTRUSION - 6mm
- IMD-TCLL-C: LED TAXIWAY CENTERLINE LIGHT (CURVED SECTION) PROTRUSION - 6mm
- IMD-STBL : LED STOPBAR LIGHT PROTRUSION - 6mm



Compliance with standards

ICAO: Annex 14 Para.5.3.16/19
IEC: 61827
FAA: AC 150/5345-46, L-852 C/D/S
KS: KS W 5011 (Korean Standard)

IMD is very low protrusion (6 mm) LED inset light and this 8-inch diameter range uses a common casting and light for applications such as LED taxiway centerline and LED stopbar lighting.

Features

- 6W low rating LED lamp per direction
- Very Low protrusion (6 mm) medium intensity inset light
- Long lamp life 50,000 hours at full brilliance
- Body casting made of aluminum alloy for lightness, mechanical strength and durability.
- Easy to replace non-sealed type prism
- Very Smooth sloped upper surface
- Direct mounting on 8-inch shallow base
- Mounting on standard 12-inch shallow base & deep base through specific aluminum adaptor ring(option)
- Valve for watertightness after maintenance



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LED VERY LOW PROTRUSION INSET MEDIUM INTENSITY LIGHT

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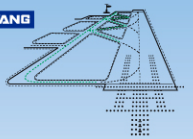




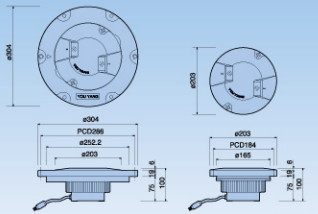
IMD-TCLL-S



IMD-TCLL-C

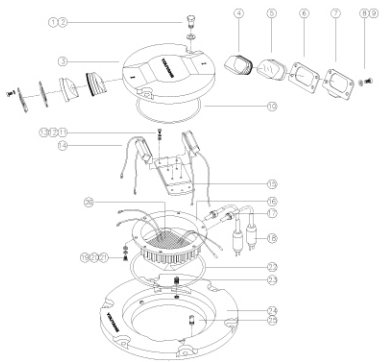


IMD-STBL



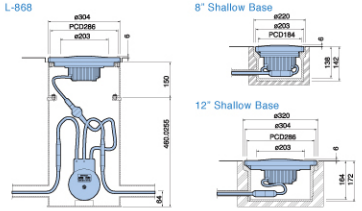
1. Bolt
2. Spring washer
3. Upper body
4. Packing
5. Prism
6. Parcking
7. Prism washer
10. "O" ring
11. Bolt
12. Spring washer
13. Plate washer
14. Optical Assembly
15. Braket
16. Lower cover
17. Cable gland
18. 2 pole plug
19. Bolt
20. Spring washer
21. Plate washer
22. "O" ring
23. Helicoil
24. Adapter ring
25. Allen Bolt(Option)
26. Power supply Assembly

Components



Typical Mounting System

Unit : mm

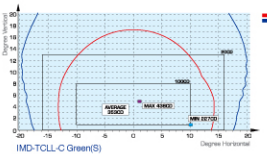


Photometric Performance

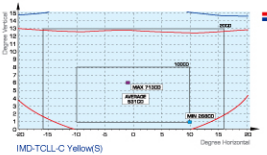
▶LED Taxiway Centerline Light - Straight section

Color	Angle		Lamp	ICAO Intensity	Average Intensity
	V	H			
Green(S)	1-8°	±10°	6.6A 6Wx2	200cd	353cd
Yellow(S)	1-8°	±10°		200cd	531cd

● Chromaticity
-Green(S) x: 0.0301 y:0.6501
-Yellow(S) x: 0.5700 y:0.4201



IMD-TCLL-C Green(S)

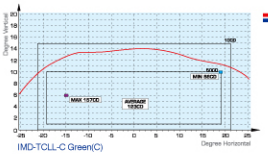


IMD-TCLL-C Yellow(S)

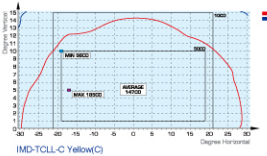
▶LED Taxiway Centerline Light - Curved section

Color	Angle		Lamp	ICAO Intensity	Average Intensity
	V	H			
Green(C)	1-10°	±19.25°	6.6A 6Wx2	100cd	123cd
Yellow(C)	1-10°	±19.25°		100cd	147cd

● Chromaticity
-Green(C) x: 0.0900 y:0.6502
-Yellow(C) x: 0.5702 y:0.4200



IMD-TCLL-C Green(C)

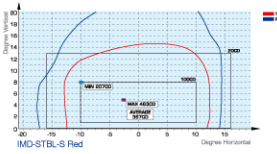


IMD-TCLL-C Yellow(C)

▶LED Stopbar Light

Application	Angle		Lamp	ICAO Intensity	Average Intensity
	V	H			
Red	1-8°	±10°	6.6A 6W	200cd	367cd

● Chromaticity
-Red x: 0.6579 y:0.3281



IMD-STBL-S Red