IMB 6mm

INSET MEDIUM INTENSITY LIGHT

IMB-TCLL-S : TAXIWAY CENTERLINE LIGHT(STRAIGHT SECTION)
PROTRUSION: 6mm
IMB-TCLL-C : TAXIWAY CENTERLINE LIGHT(CURVED SECTION)
PROTRUSION: 6mm



Compliance with standards

ICAO : Annex14 Para 5.3.15
IEC : 61827
FAA : AC 150/5345-46, L-852C,D
K S : KS W 5011(Korean Standard)

The IMB range of lights has been developed using the latest technology available. It is part of a complete range of inset lights covering all the current applications of airfield lighting.

Features

- Low protrusion above the ground (only 6 mm)
- Body casting made of aluminium alloy for lightness, mechanical strength and durability
- Environmental friendly materials
- Prism mounted to the upper cover with use of replaceable gaskets to facilitate prism replacement by maintenance personnel without sealant
- Smooth sloped upper surface
- Long lamp life 1000 hours at full brilliancy
- Direct mounting on 8″ shallow base with only two screws
- Mounting on standard 12″ shallow base & deep base through specific aluminium adaptor ring
- Valve for watertightness testing after maintenance



IMB

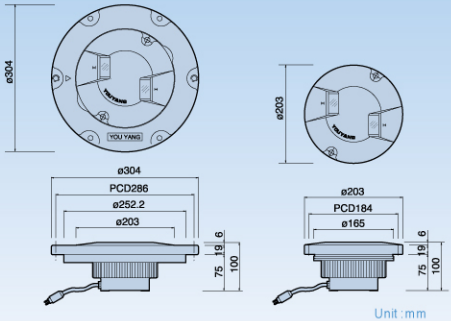
INSET MEDIUM INTENSITY LIGHT



IMB-TCLL(S)



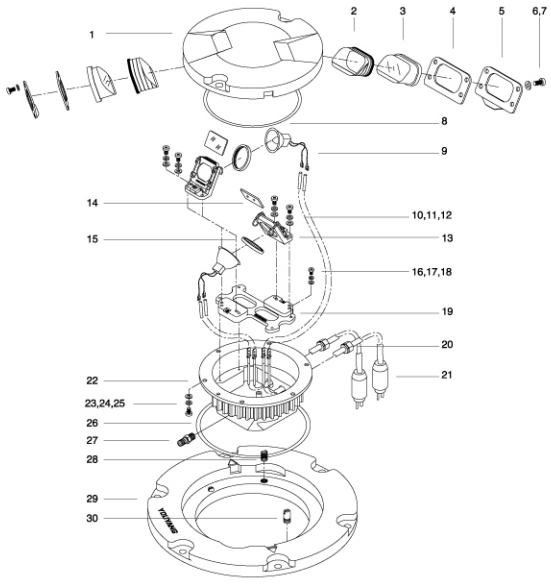
IMB-TCLL(C)



Unit : mm

1. Upper cover
2. Gasket
3. Prism
4. Gasket
5. Prism stopper
6. Bolt
7. Spring washer
8. "O" ring
9. Halogen lamp
10. Bolt
11. Spring washer
12. Plate washer
13. Lamp mounting & filter support bracket
14. Color filter
15. Gasket
16. Bolt
17. Spring washer
18. Plate wahser
19. Lamp bracket
20. Cable gland
21. Two pole cable with plug
22. Lower cover
23. Bolt
24. Plate washer
25. Spring washer
26. "O" ring
27. Air check valve
28. Helicoil
29. Adapter ring
30. Point pin

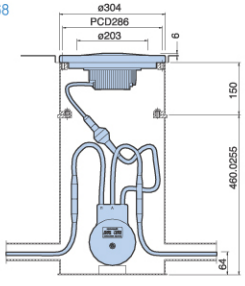
Components



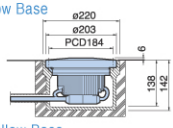
Typical Mounting System

Unit : mm

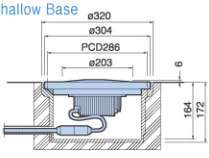
L-868

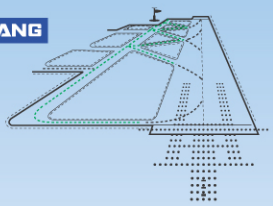


8" Shallow Base



12" Shallow Base



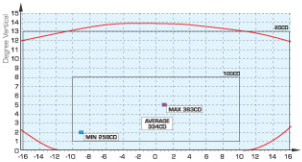


Photometric Performance

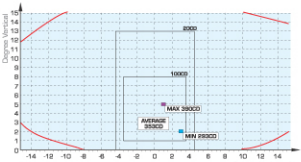
▶ Taxiway centerline light

Color	Angle		Lamp	ICAO Intensity	Average Intensity
	V	H			
Green(S)	1-8°	±10°	40Wx2	200cd	334cd
Green(S)	1-8°	±3.5°	40Wx2	200cd	353cd
Green(C)	1-10°	±19.25°	40Wx2	100cd	225cd

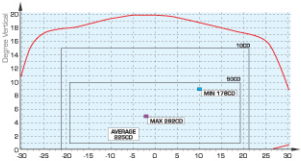
- Chromaticity
  -Green X:0.2193, Y:0.4331
- S: Straight
  C: Curve



Straight

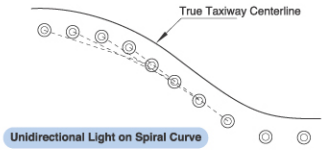


Straight

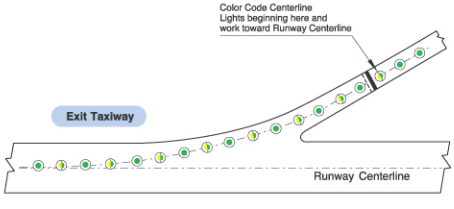


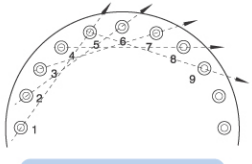
Curve

Lighting Layout Information

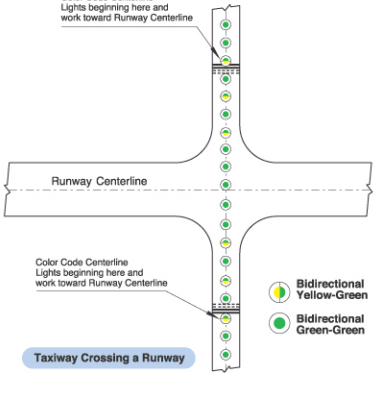


Unidirectional Light on Spiral Curve

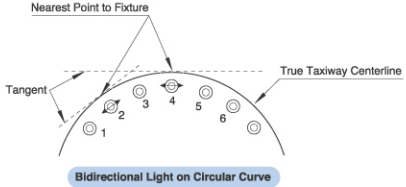




Unidirectional Light on Spiral Curve



Taxiway Crossing a Runway

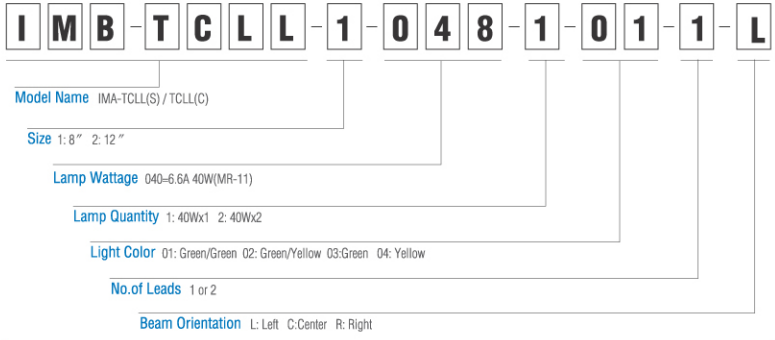


Bidirectional Light on Circular Curve

IMB

INSET MEDIUM INTENSITY LIGHT

Ordering Code



Description

Description	Item	Specification
IMB - TCLL(SB)	Taxiway Centerline Light(S)	6.6A 40W * 2 Green/Green(S)
		6.6A 40W * 2 Green/Yellow(S)
		6.6A 40W * 1 Green(S)
		6.6A 40W * 1 Yellow(S)
IMB - TCLL(CB)	Taxiway Centerline Light(C)	6.6A 40W * 2 Green/Green(C)
		6.6A 40W * 2 Green/Yellow(C)
		6.6A 40W * 1 Green(C)
		6.6A 40W * 1 Yellow(C)

Spare Parts

Description	Specification	Ordering code
Upper Cover	Bidirection Taxiway Centerline Light(S)	Z130211
	Bidirection Taxiway Centerline Light(C)	Z130213
	Unidirection Taxiway Centerline Light(S)	Z130210
	Unidirection Taxiway Centerline Light(C)	Z130212
Lower Cover	1 Lead	Z141210
	2 Leads	Z141211
Prism	Taxiway Centerline Light(S)	141-005B
	Taxiway Centerline Light(C)	141-005A
Color Filter	Green	143-056A
	Yellow	143-057A
	Red	143-058A
Lamp	6.6A 40W, MR-11	111-200A

YOUYANG
AIRPORT LIGHTING EQUIPMENT INC.

Head Office 738-2, Kwanyang-Dong, Dongan-Ku, Anyang City, Kyunggi-Do, Korea
Tel : 82-31-422-0021 Fax : 82-31-424-6044 http://www.youyang.co.k E-mail: youyang@youyang.co.kr

※ Specifications and features in this catalogue are subject to change. FEB 1. 2005 SEOUL