

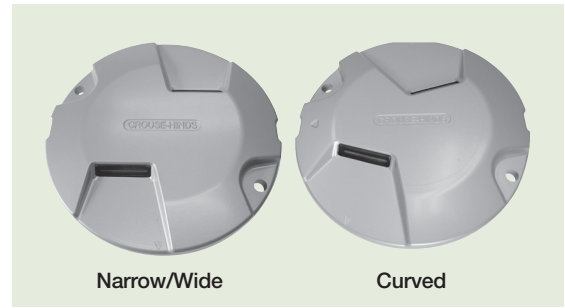
Pro V LED Series

TCLI-LED, ICAO

Taxiway Centerline Light

Compliances:

- FAA AC 150/5435-46D (L-852 A)
- Engineering Brief No. 67c
- ICAO Annex 14
- IEC TS 61827
- NATO: STANAG 3316



Applications

The TCLI is a taxiway centerline light that is used primarily as a ground traffic aid during periods of low visibility to guide aircraft between the runway and the parking stand. The TCLI is a yellow or green bidirectional light, with a 12W consumption per LED module.

Features

- 8" outer diameter (12" optional)
- 0.25" height above surface
- Depth below flange: 1.38"
- Light prism size 1.57" x 0.24"
- Dust and Water tightness: IP68
- Overall lifetime* up to 20 years
- Useful Lamp life** (LED) > 50.000h
- Nominal Current: 6.6A (0-100%)
- Power consumption (@6,6A): 12W per side
- Power factor >95% at nominal current
- Temperature***: -40°C to +85°C (-40°F to +185°F)
- Internal serial interface for diagnostics and parameterization
- Arctic kit (optional). Additional 14 W while operating
- Integrated single lamp control (optional; contact factory for details)

* Not including consumable items

** Based on 24h cycle: 8h @55°C Air temperature + 1kW/m² solar radiation / 16h@25°C

*** Measured on cover surface

Ordering Information



Fixture Type:
Taxiway Center Line

Technology:
5 = Pro V LED Series

Color:

Y0 = Yellow/Blank	YY = Yellow/Yellow
G0 = Green/Blank	GG = Green/Green
GY = Green/Yellow	YG = Yellow/Green
0Y = Blank/Yellow	0G = Blank/Green

Photometrics:

- C2 = Curved Sections, CAT II, Fig A2-16
- C3 = Curved Sections, CAT III, Fig A2-14
- N3 = Narrow Beam, CAT III, Fig A2-13
- W2 = Wide Beam, CAT II, Fig A2-15
- W3 = Wide Beam, CAT III, Fig A2-12

Fixture Diameter/Orientation:

- NSR = Optical assembly without support ring
- 12S = 12" dia. support ring for Straight Taxiway (11.25" B.C.)
- 12C = 12" dia. support ring for Curved Taxiway (11.25" B.C.)

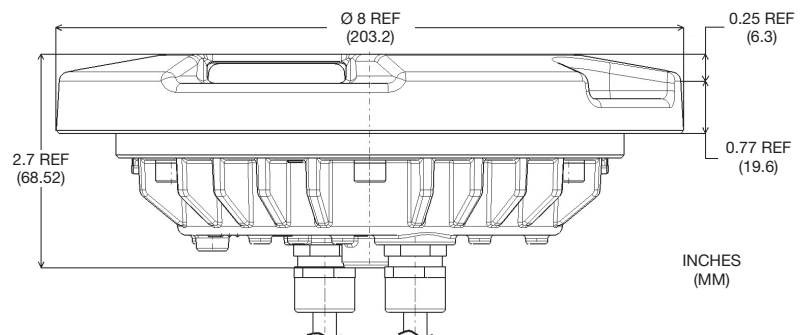
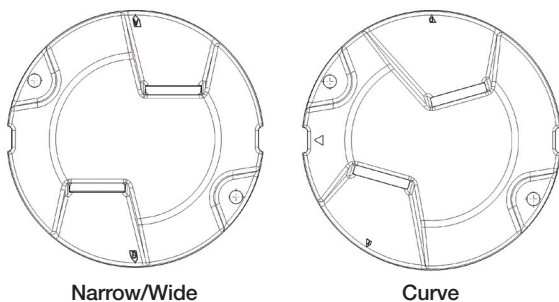
L-823 Plug Connections:

- P1 = One Plug
- P2 = Two Plugs for bidirectional

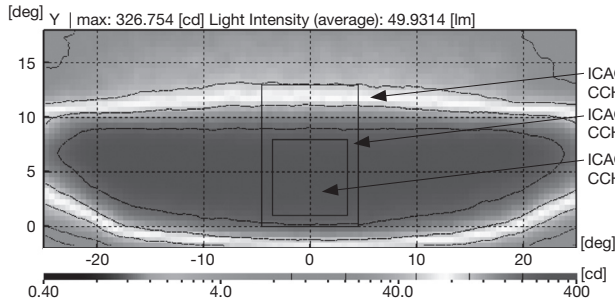
Options:

- 0 = No Options
- 1 = Arctic Kit

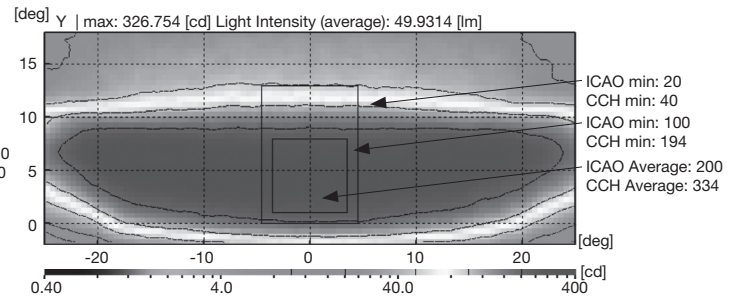
Outline Drawings



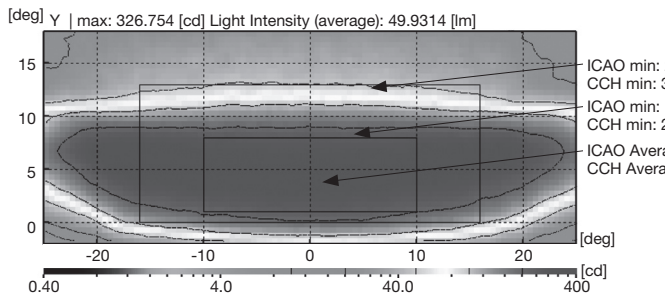
Typical Photometric Data



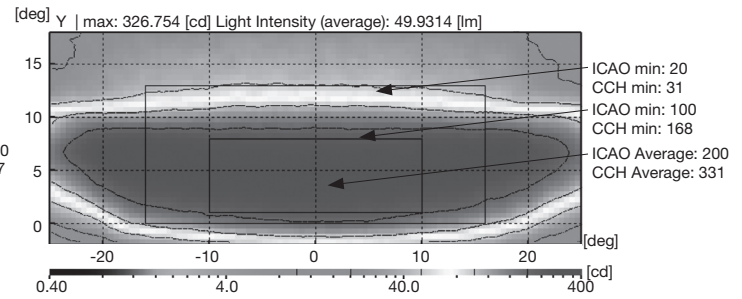
Light Distribution Taxiway Straight, ICAO Green



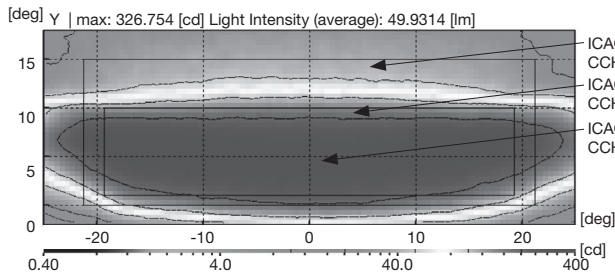
Light Distribution Taxiway Straight, ICAO Yellow



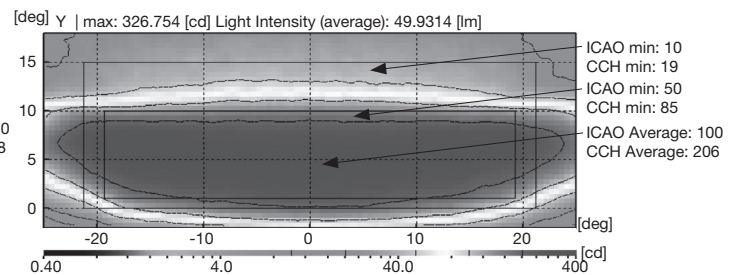
Light Distribution Taxiway Straight, Configuration B, ICAO Green



Light Distribution Taxiway Straight, Configuration B, ICAO Yellow



Light Distribution Taxiway Curve, ICAO Green



Light Distribution Taxiway Curve, ICAO Yellow

Accessories

Item Description	Catalog Number	Item Description	Catalog Number
Base: L-868B, Class I, 24" Deep*	AC24242H200303	Isolation Transformer – 30/45 W, 6.6/6.6 A	33001
Bolt Set	22500	Isolation Transformer – 65 W, 6.6/6.6 A	33003
Heat Shrink Kit – 1 Piece	10047-2154		

* Two-piece can may be required depending upon the paving technique.

Renewal Parts

Description	Part Number	Description	Part Number
12" Dia. FAA Support Ring Straight (11.25" B.C.)	22504	Green Cartridge Taxiway Curved	22516
12" Dia. Support Ring for Curved Taxiway (11.25" B.C.)	22503	Power Supply/Fixture Base w/ (1) L-823 Plug	22507
Connector Kit – L-823, 8 AWG, 0.32" to 0.43" O.D.	823KP-D4-D4	2 Power Supplies/Fixture Base w/ (1) L-823 Plug	22523
Connector Kit for Base	22522	2 Power Supplies/Fixture Base w/ (2) L-823 Plugs	22508
Gasket, Base Interior	22501	Prism Replacement Kit (includes Prism Gasket)	22502
Green Cartridge Taxiway	22515	Yellow Cartridge Taxiway	22513
		Yellow Cartridge Taxiway Curved	22514

