

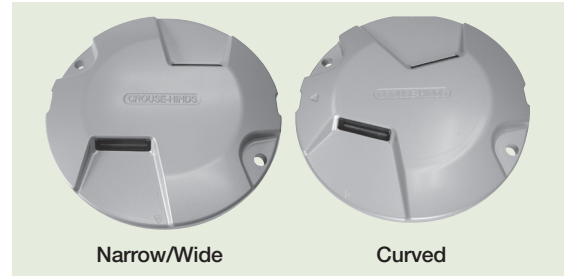
Pro V LED Series

TCL-LED, L852

Taxiway Centerline Light

Compliances:

- FAA AC 150/5345-46
- FAA Engineering Brief 67
- UFC 3-535-01



Applications

The TCL 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 TCL is a yellow or green bidirectional light, with a 12W consumption per LED module.

Features

- ETL Certification Pending
- 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



Intermediate Holding Position:

- A = Taxiway Center Line Narrow CAT II
- B = Taxiway Center Line Wide CAT II
- C = Taxiway Center Line Narrow CAT III
- D = Taxiway Center Line Wide CAT III
- J = Taxiway Center Line Curved CAT II
- K = Taxiway Center Line Curved CAT III

Technology:

- 5 = Pro V LED Series

Color:

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

Photometrics:

- F1 = FAA

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.)

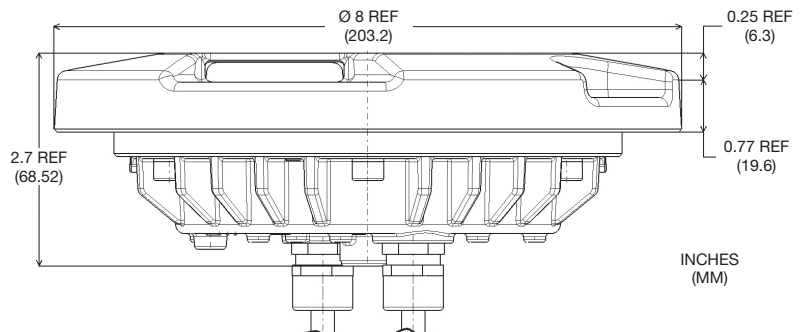
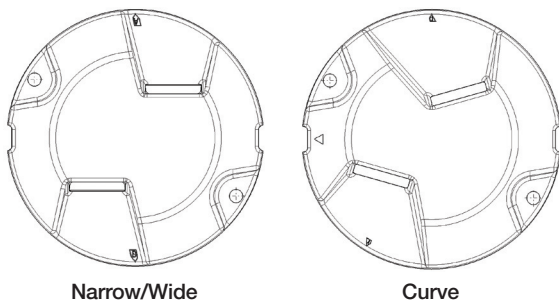
L-823 Plug Connections:

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

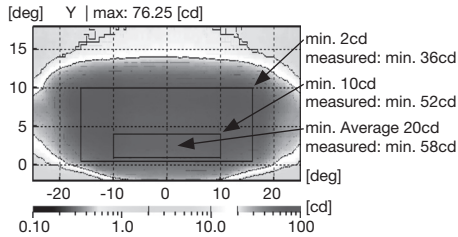
Options:

- 0 = No Options
- 1 = Arctic Kit

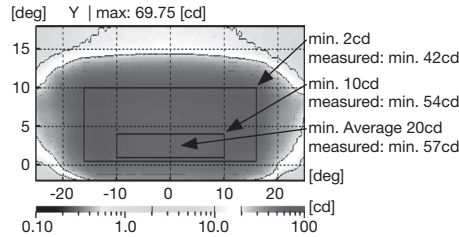
Outline Drawings



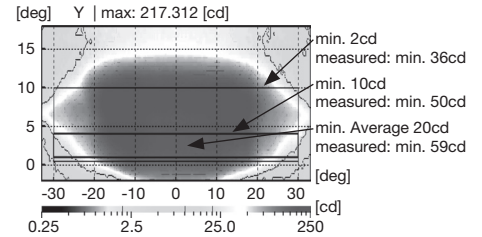
Typical Photometric Data



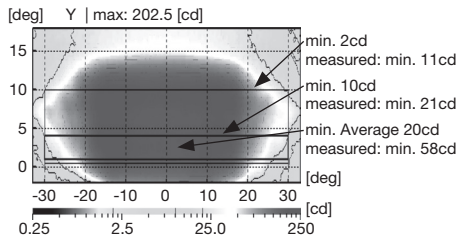
L-852A CAT II, Straight Narrow Beam, Green
ISO-Candela Values @: 2 10 20



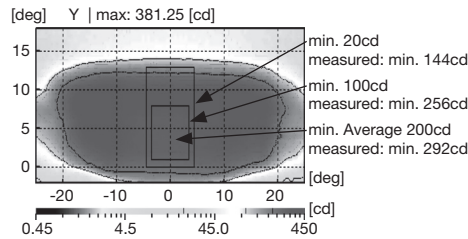
L-852A CAT II, Straight Narrow Beam, Yellow
ISO-Candela Values @: 2 10 20



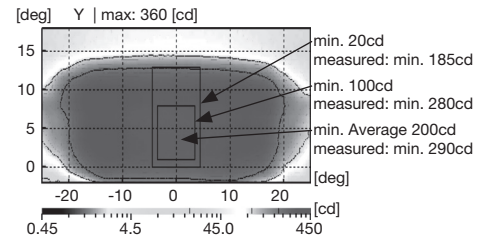
L-852B CAT II, Straight Wide Beam, Yellow
ISO-Candela Values @: 2 10 20



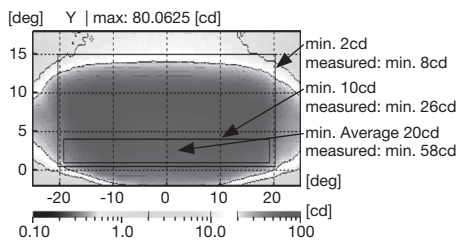
L-852B CAT II, Straight Wide Beam, Yellow
ISO-Candela Values @: 2 10 20



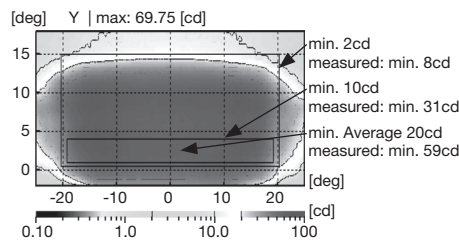
L-852C CAT III, Straight Narrow Beam, Green
ISO-Candela Values @: 2 100 200



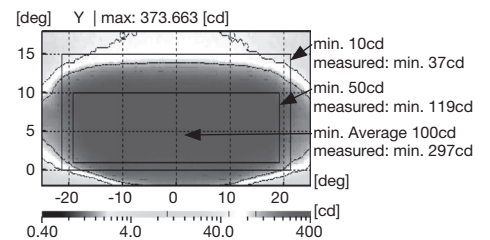
L-852C CAT III, Straight Narrow Beam, Yellow
ISO-Candela Values @: 2 100 200



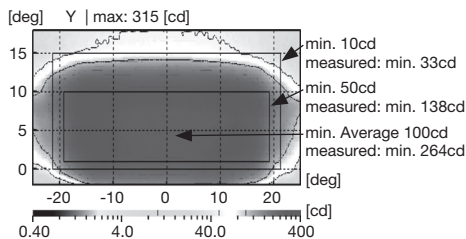
L-852J CAT II, Curved Sections, Green
ISO-Candela Values @: 2 10 20



L-852J CAT II, Curved Sections, Yellow
ISO-Candela Values @: 2 10 20



L-852K CAT III, Curved Sections, Green
ISO-Candela Values @: 2 50 100



L-852K CAT III, Curved Sections, Yellow
ISO-Candela Values @: 2 50 100

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



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Visit www.chalp.com for the complete current list of renewal parts and product manuals.