



COMPLIANCES

L-852S(L)
FAA AC 150/5345-46 (current edition)
FAA Engineering Brief 67D

Meets the requirements of Low Visibility
Taxiway Lighting Systems as specified
by FAA AC 150/53 40-30.

ETL Certified

Meets "Buy American" requirements.



PRODUCT APPLICATION

The Navigate Series® L-852S LED in-pavement fixture is a Style-3, medium-intensity Runway Entrance Light (REL) that is installed before active runways and used for runway incursion protection and traffic control on taxiways. The fixture provides unidirectional, steady burning, red lights.

EXTERNAL POWER REQUIREMENTS

Input

Constant Current Regulator (CCR)

Power

3-Step 4.8A, 5.5A or 6.6A

5-Step 2.8A, 3.4A, 4.1A, 5.2A and 6.6A

WEIGHT AND DIMENSIONS

Weight

Approximately 10.2 lbs.

Dimensions

- Height (Depth): 3.93 inches
- Outer Diameter: 11.94 inches
- Bolt-Circle Diameter: 11.25 inches

IN-PAVEMENT LIGHTS - 2.6

ORDERING INFORMATION

L-852S Order Number

L-852S - L - X - X - X

Fixture Type:

L-852S-L = Stop Bar Light LED

Color:

R = Red

Frequency:

1 = 60 Hz

2 = 50 Hz

Heater Options:

0 = No arctic kit

1 = With arctic kit

FEATURES

- FAA Style-3 fixture with less than 0.25 inches above ground height.
- Lower power consumption and less required maintenance compared to non-LED version, resulting in lower life-cycle costs.
- Easy to maintain. All components of the fixture are easily replaced.
- Can be installed on existing series circuits with no modifications to existing CCR or isolation transformer.
- Operates on 3- and 5-step ferroresonant or thyristor CCRs.
- Optional thermostatically controlled heater (arctic kit) that cycles on and off when temperature drops below freezing, reducing overall energy consumption.
- Fixture uses high-strength aluminum optical assembly, stainless steel hardware, and a hardened optical glass lens.
- Seals tested to resist Cryotech XT350, EX180, and E36 de-icing fluids.
- Includes UL 467-rated ground lug that accepts an AWG 6 earth ground wire.

TRANSFORMER REQUIREMENTS

Type	Series Circuit	Fixture Load*	Required Transformer	Part Number
Without Arctic Kit	6.6 A, 60 Hz	34.0VA	L-830-3 (65W)	11682
	6.6 A, 50 Hz	34.0VA	L-831-3 (65W)	11712
	20 A/6.6 A, 60 Hz	34.0VA	Call for information	N/A
	20 A/6.6 A, 50 Hz	34.0VA	Call for information	N/A
With Arctic Kit	6.6 A, 60 Hz	63.0VA	L-830-4 (100W)	11683
	6.6 A, 50 Hz	63.0VA	L-831-4 (100W)	11683
	20 A/6.6 A, 60 Hz	63.0VA	L-830-5 (100W)	11684
	20 A/6.6 A, 50 Hz	63.0VA	L-831-5 (100W)	11714

*Fixture load does not include isolation transformer load.

ACCESSORIES

Description	Part Number
L-868-2 Base Can, (Load Bearing Type)	AC2424-2Q2-0030
L-823 Primary Connector Kit (8 AWG, .320"/.430")	3 11174-01
L-823 Complete Kit (8 AWG, .320"/.430")	11805-01
Heat Shrink Tubing Kit, 16" piece	A2-20-0089-001
L-868B Flange Ring, 1/4" with Epoxy Dam	AF540204Y

RENEWAL PARTS

Description	Part Number
Air Schrader Valve, 1/8 (12)	A1-05-0553-001
L-823 Cable Replacement Kit – Includes:	K1-02-0003-001
- L-823 Power Cable	
- Tuff Seal 2 Hole	
- Connectors	
Prism Replacement Kit – Includes:	K1-02-0029-001
- Prism	
- Rubber Prism Seal	
- Prism Spacer (used on non-heater fixtures only)	
- Prism Back Plate	
- O-Ring	
Light Engine Replacement Kit (includes light engine assembly, o-ring, screws, and washers)	
- Right Side	K1-02-0019-004
- Left Side	K1-02-0019-003
Heater Replacement Kit – Includes:	K1-02-0016-002
- PWA Heater	
- Power Jumper Wire Assembly	
- Heater Control Wire Assembly	
- Silicone, F/F	
- Silicone, M/F	
- O-Ring	
Driver Board Replacement Kit – Includes:	K1-02-0028-001
- PWA Driver Board	
- O-Ring	
Ground Lug Kit	K2-02-0005-001

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