



L-852T(L) / ITEL-L

LED In-pavement Taxiway Edge Light, Medium-Intensity

Spare Parts List

SP-2060, Rev. 1.2.0, 2026-Sep-24

ADB
SAFEGATE

A.0 Disclaimer / Standard Warranty

CE certification

The equipment listed as CE certified means that the product complies with the essential requirements concerning safety and hygiene. The European directives that have been taken into consideration in the design are available on written request to ADB SAFEGATE.

ETL certification

The equipment listed as ETL certified means that the product complies with the essential requirements concerning safety and C22.2 No.180:13 (R2018) regulations. The CSA directives that have been taken into consideration in the design are available on written request to ADB SAFEGATE.

All Products Guarantee

ADB SAFEGATE will correct by repair or replacement per the applicable guarantee below, at its option, equipment or parts which fail because of mechanical, electrical or physical defects, provided that the goods have been properly handled and stored prior to installation, properly installed and properly operated after installation, and provided further that Buyer gives ADB SAFEGATE written notice of such defects after delivery of the goods to Buyer. Refer to the Safety section for more information on Material Handling Precautions and Storage precautions that must be followed.

ADB SAFEGATE reserves the right to examine goods upon which a claim is made. Said goods must be presented in the same condition as when the defect therein was discovered. ADB SAFEGATE further reserves the right to require the return of such goods to establish any claim.

ADB SAFEGATE's obligation under this guarantee is limited to making repair or replacement within a reasonable time after receipt of such written notice and does not include any other costs such as the cost of removal of defective part, installation of repaired product, labor or consequential damages of any kind, the exclusive remedy being to require such new parts to be furnished.

ADB SAFEGATE's liability under no circumstances will exceed the contract price of goods claimed to be defective. Any returns under this guarantee are to be on a transportation charges prepaid basis. For products not manufactured by, but sold by ADB SAFEGATE, warranty is limited to that extended by the original manufacturer. This is ADB SAFEGATE's sole guarantee and warranty with respect to the goods; there are no express warranties or warranties of fitness for any particular purpose or any implied warranties of fitness for any particular purpose or any implied warranties other than those made expressly herein. All such warranties being expressly disclaimed.

Standard Products Guarantee

Products manufactured by ADB SAFEGATE are guaranteed against mechanical, electrical, and physical defects (excluding lamps) which may occur during proper and normal use for a period of two years from the date of ex-works delivery, and are guaranteed to be merchantable and fit for the ordinary purposes for which such products are made.



Note

See your applicable sales agreement for a complete warranty description.

Replaced or repaired equipment under warranty falls into the warranty of the original delivery. No new warranty period is started for these replaced or repaired products.

FAA Certified products manufactured by ADB SAFEGATE

ADB SAFEGATE L858 Airfield Guidance Signs are warranted against mechanical and physical defects in design or manufacture for a period of 2 years from date of installation, per FAA AC 150/5345-44 (applicable edition).

ADB SAFEGATE LED products (with the exception of obstruction lighting) are warranted against electrical defects in design or manufacture of the LED or LED specific circuitry for a period of 4 years from date of installation, per FAA EB67 (applicable edition). These FAA certified constant current (series) powered LED products must be installed, interfaced and powered with and through products certified under the FAA Airfield Lighting Equipment Program (ALECP) to be included in this 4 (four) year warranty. This includes, but is not limited to, interface with products such as Base Cans, Isolation Transformers, Connectors, Wiring, and Constant Current Regulators.



Note

See your sales order contract for a complete warranty description.

Replaced or repaired equipment under warranty falls into the warranty of the original delivery. No new warranty period is started for these replaced or repaired products.

Liability



WARNING

Use of the equipment in ways other than described in the catalog leaflet and the manual may result in personal injury, death, or property and equipment damage. Use this equipment only as described in the manual.

ADB SAFEGATE cannot be held responsible for injuries or damages resulting from non-standard, unintended uses of its equipment. The equipment is designed and intended only for the purpose described in the manual. Uses not described in the manual are considered unintended uses and may result in serious personal injury, death or property damage.

Unintended uses, includes the following actions:

- Making changes to equipment that have not been recommended or described in this manual or using parts that are not genuine ADB SAFEGATE replacement parts or accessories.
- Failing to make sure that auxiliary equipment complies with approval agency requirements, local codes, and all applicable safety standards if not in contradiction with the general rules.
- Using materials or auxiliary equipment that are inappropriate or incompatible with your ADB SAFEGATE equipment.
- Allowing unskilled personnel to perform any task on or with the equipment.

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1.0 L-852T(L) / ITEL-L

The ITEL-L LED in-pavement fixture can be used on taxiway edge, taxiway intersection and helipad applications. These fixtures have an average LED life of 100,000 hours under high-intensity conditions and more than 200,000 hours under actual operating conditions, resulting in significant reduction or even elimination of ongoing maintenance costs and periodic re-lamping expenses. The ITEL-L fixtures operate on either 3- or 5-step CCRs.

1.1 ITEL-L Product Introduction

The ITEL-L LED in-pavement fixture can be used on taxiway edge, taxiway intersection and helipad applications. These fixtures have an average LED life of 100,000 hours under high-intensity conditions and more than 200,000 hours under actual operating conditions, resulting in significant reduction or even elimination of ongoing maintenance costs and periodic re-lamping expenses. The ITEL-L fixtures operate on either 3- or 5-step CCRs.

1.1.1 LED In-pavement Taxiway Edge Light

Compliance with Standards

FAA	AC 150/5345-46 and FAA Engineering Brief No. 67; ETL Certified
ICAO	Annex 14, Volume 1
CE	

Uses

FAA L-852T(L)

- Taxiway edge
- Heliports

Electrical Supply

6.6 A through an L-830-1 (for 60 Hz) or L-831-1 (for 50 Hz) 30/45 W isolation transformer or an L-830-17 20/25 W isolation transformer. The ITEL fixture is designed to work with any IEC- or FAA-compliant transformer up to 100 W without affecting the performance or lifetime of the light fixture or transformer. See data sheet 3033 for more details on recommended isolation transformers specified below.

The total CCR load shown in the following table represents the total VA load imposed on the regulator and accounts for power factor and transformer load.

ITEL Fixture	Fixture Load	Isolation Trans-former	Heater On/Off	Trans-former Load	Total CCR Load
With arctic option	19.5 VA	30/45 W	Off	6 VA	25.5 VA
	44 VA	30/45 W	On	9 VA	53 VA
Without arctic option	19.5 VA	20/25 W	N/A	5 VA	24.5 VA

2.0 ITEL Parts

Ordering Code

ITEL

LED Color

Mounting

Power

Arctic Option

☐
☐
☐
☐

Power

1 = 60 Hz¹

2 = 50 Hz²

Arctic Option

0 = Without arctic option

1 = With arctic option

LED Color

8 = Yellow

9 = White

A = Green

B = Red

C = L-852T(L) Aviation Blue¹

Mounting

1 = 12-inch fixture for standard L-868B light base¹

2 = 12-inch fixture for standard L-867B light base¹

3 = 8-inch fixture for ICAO light base

4 = 8-inch fixture with L-868B adapter ring

6 = 8-inch fixture with L-867B adapter ring, bottom mounted

7 = 8-inch fixture with L868B snow plow ring

8 = 8-inch fixture with 11-inch adapter ring

Notes:

1. ETL Certified
2. Any 50 Hz option carries the CE Mark

2.1 ITEL Spare Parts

Table 1: Spare Parts

Description	Part No.	New Part No.
Cable clamp, inner cover	4071.50.090	
Cable clamp, with monitoring	62A2169	
Cord set, L-823	44A7387-10	
Cord set, 4-pin, monitoring	73A0139	
Grommet, cord set (2)	63A1014	
LED light engine, L-852T(L), blue, w/out arctic kit ¹	44A7177-10	
LED light engine, L-852T(L), blue, with arctic kit ¹	44A7177-11	
LED PCB, blue, 50 Hz, with monitoring	44A7197-50-1	
LED PCB, blue, 50 Hz, without monitoring	44A7197-50-0	
LED PCB, blue, 60 Hz, with monitoring	44A7197-60-1	
LED PCB, blue, 60 Hz, without monitoring	44A7197-60-0	
Lens	63A1071	

¹¹ When replacing blue LED light engines in fixtures shipped before June 2012, please consult the manual or call the ADB SAFEGATE Sales Department.

Table 1: Spare Parts

Description	Part No.	New Part No.
Lens, support plate	4071.76.020	SP.4071.76.020
Lens gasket, flat protection	61A0539	
Lens gasket, molded	4071.76.041	SP.4071.76.041
O-ring, inner cover seal	63A1285	
O-ring, pressure release screw	63B0267-011	
Pressure release screw	60A2602	
Anti-rotation Pin	4071.50.120	
ITEL LED PS PCB ASSY 60HZ W/MONITORING	44A6596	
ITEL LED PS PCB ASSY 60HZ W/O MONITORING	44A6596-2	
PCB ASSY, APS ITEL PWR SUPPLY	44A6908-3	

2.2 Illustrated Parts List

Figure 1: ITEL Pan Assembly

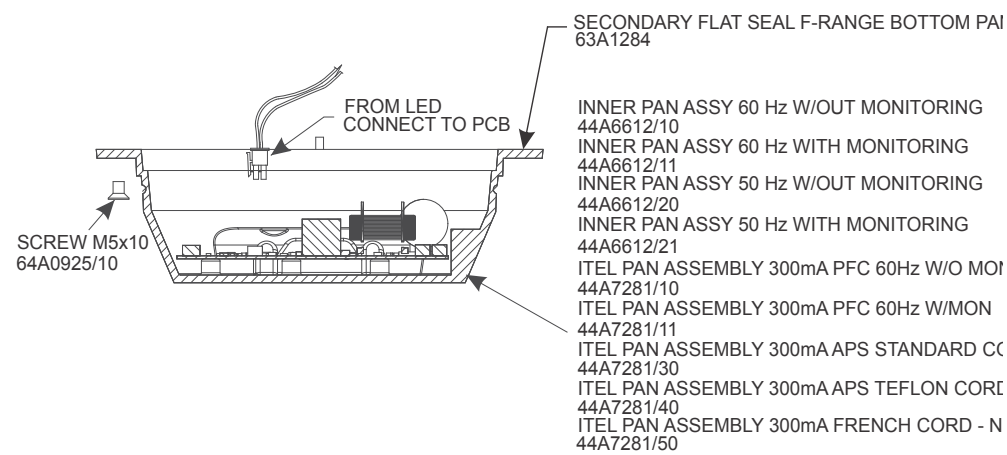


Figure 2: ITEL Pan Assembly with molded cord set

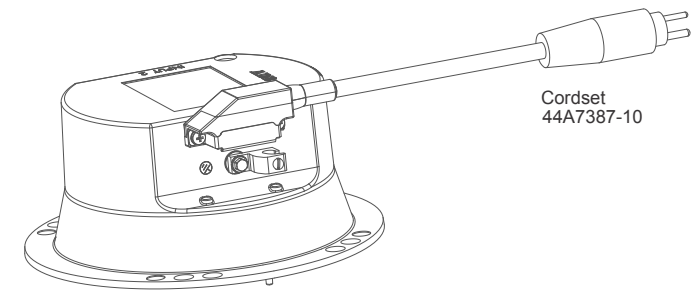


Figure 3: Top Cover without heater

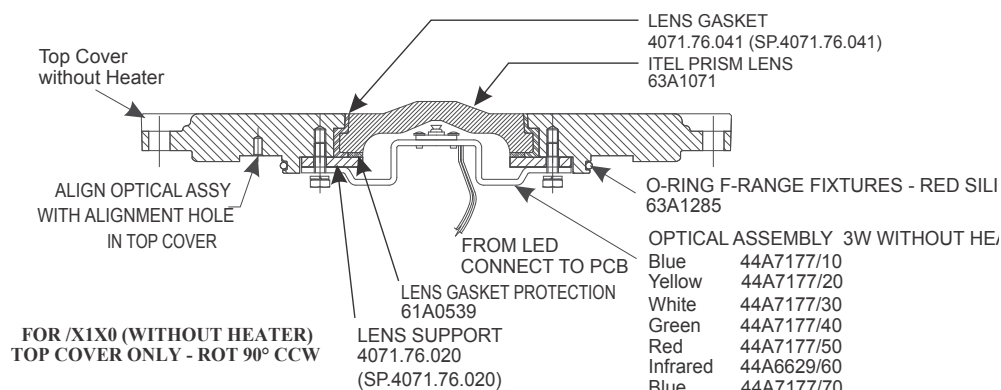


Figure 4: Top Cover with heater

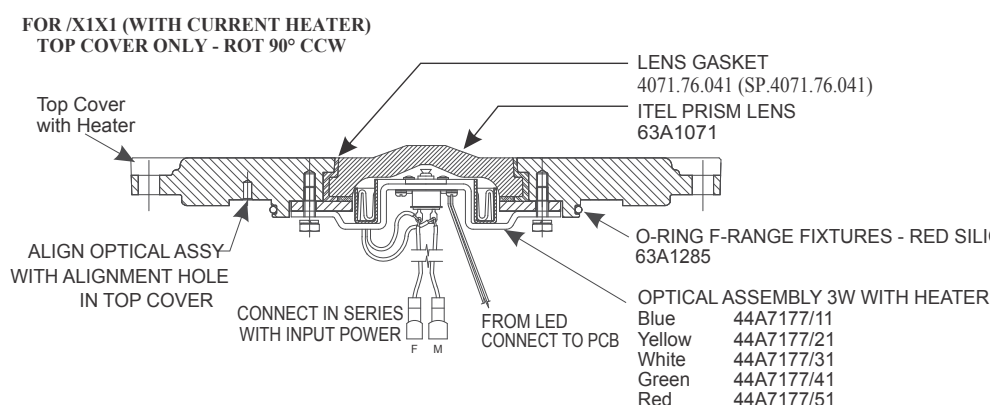


Figure 5: Snow Plow Ring

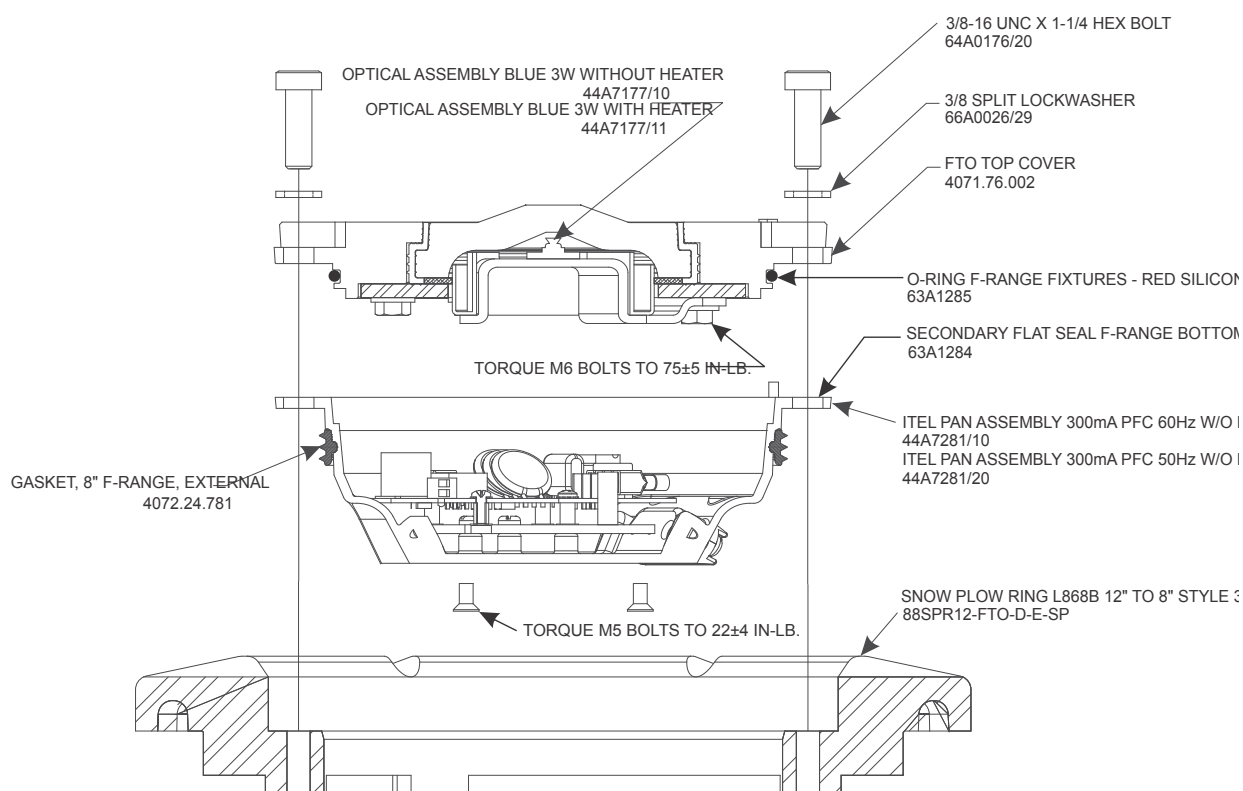


Figure 6: Adapter Ring 10.65"

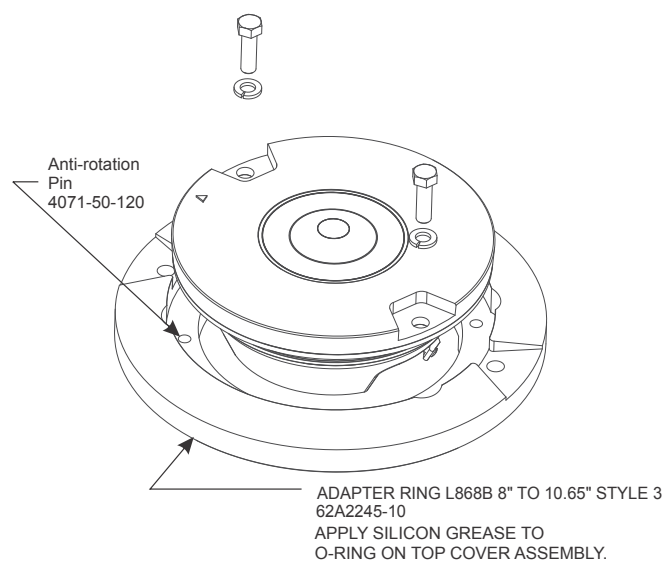
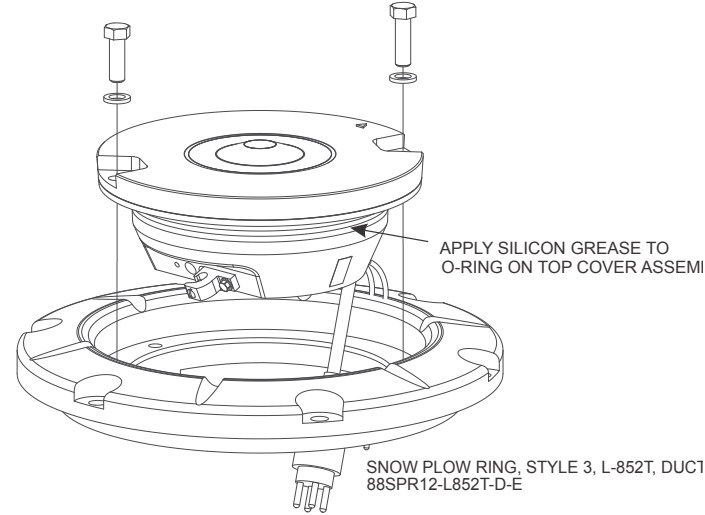


Figure 7: Adapter Ring 12"



Appendix A: Support

Your airport needs fast, reliable support when technical issues affect operations. ADB SAFEGATE provides 24/7 phone support by experienced technical service and support teams to help you troubleshoot issues and reduce disruption.

For general product information, solutions and more, visit the ADB SAFEGATE website, www.adbsafegate.com.

Global Technical Service & Support

For support in Europe, the Middle East, Africa and Asia Pacific, contact ADB SAFEGATE's technical support specialists. Trained in all areas of system issues, troubleshooting, quality control and technical assistance, our highly experienced Technical support specialists offers 24/7 phone support.

- Europe: **+32-2-722-17-11**
- China: **+86-10-8476-0106**
- Middle East and Africa: **+971-4-452-7575**

Live Technical Support – Americas

For support in the Americas, contact ADB SAFEGATE's U.S.-based technical support specialists. The team provides support for airfield lighting products, power and control systems, weather systems, and Safedock A-VDGS.

Phone support is available 24/7.

- United States: **+1-800-545-4157**
- Canada: **+1-905-631-1597**

You can also reach the Americas support team by email during regular business hours:

- Airfield Technical Service: techservice.us@adbsafegate.com
- Apron (previously Gate) Technical Service: gateservice.us@adbsafegate.com
- Weather Customer Service: CustomerServiceWeather@adbsafegate.com

Before You Call

Help us resolve your issue faster by having the right information ready before you contact Technical Support.

For Airfield Lighting, Control Systems, and Weather Product Issues

Please review the following before calling:

- Review the product manual and troubleshooting guide.
- Be near the product and ready to troubleshoot.
- Have a True RMS Multimeter available, along with any other necessary tools.
- Have the following information ready:
 - Airport code
 - Company name, phone number, and email address
 - Product number or part number, if available

For Safedock A-VDGS Issues

Please collect the following information before calling:

- Gate number
- Flight number
- Aircraft type
- Time of the event
- Description of the issue
- Any actions already taken to resolve the issue
- CCTV footage of the incident, if available, to help align the event with the Safedock log file

A.1 ADB SAFEGATE Website

The ADB SAFEGATE website, www.adbsafegate.com, offers information regarding our airport solutions, products, company, news, links, downloads, references, contacts and more.

A.2 Recycling

A.2.1 Local Authority Recycling

The disposal of ADB SAFEGATE products is to be made at an applicable collection point for the recycling of electrical and electronic equipment. The correct disposal of equipment prevents any potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling. The recycling of materials helps to conserve natural resources. For more detailed information about recycling of products, contact your local authority city office.

A.2.2 ADB SAFEGATE Recycling

ADB SAFEGATE is fully committed to environmentally-conscious manufacturing with strict monitoring of our own processes as well as supplier components and sub-contractor operations. ADB SAFEGATE offers a recycling program for our products to all customers worldwide, whether or not the products were sold within the European Union (EU).

ADB SAFEGATE products and/or specific electrical and electronic component parts which are fully removed/separated from any customer equipment and returned will be accepted for our recycling program.

All items returned must be clearly labeled as follows:

- For Restriction of Hazardous Substances (*RoHS*)/Waste Electrical and Electronic Equipment (*WEEE*) Recycling
- Sender contact information (Name, Business Address, Phone number).
- Main Unit Serial Number.

ADB SAFEGATE will continue to monitor and update according for any future requirements for *EU directives* as and when *EU member states* implement new *regulations* and or *amendments*. It is our aim to maintain our *compliance plan* and assist our customers.

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