1. Approving Civil Aviation Authority/Country:	2.	3. Form Tracking Number:
FAA / United States	**AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130–3, AIRWORTHINESS APPROVAL TAG	R36782

4. Organization Name and Address:	5. Work Order/Contract/Invoice Number:
Astronics LSI 130 Commerce Way East Aurora, NY 14052 Repair Station # Z9LR108B	RW14433

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	FORWARD POSITION LIGHT, RH	84088-2	1	00000249	Repaired

12. Remarks:

Repaired in accordance with CMM 33-40-02 Rev 002, 20 Oct 2020. Full details of work carried out per Work Order # RW14433.

Astronics LSI certifies work specified in Blocks 11/12 was carried out in accordance with EASA part 145, and with respect to that work, the component is considered ready for release to service under EASA part 145 Approval Number: EASA.145.6187

13a. Certifies the items identified above were manufactured in conformity to:	14a. ☒ 14 CFR 43.9 Return to Service ☒ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
☐ Appr ☐ Non-		
13b. Authoriz /Authorization No.:	14b. Authorized Signature:	14c. Approval/Certificate No.: Z9LR108B
13d. Name (Typed or Printed): mmm/yyyy):	14d. Name (Typed or Printed): Rachelle L. Dunbar	14e. Date (dd/mmm/yyyy): 4/Oct/2023

FRA W98387 13.10.23 13:57 T
Certific. Sticker
394 011540

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

ASTRONICS
LUMINESCENT SYSTEMS INC.

Luminescent Systems, Inc.
130 Commerce Way
East Aurora, NY 14052-2164 USA
Phone: 716.655.0800 • Fax: 716.655.0309

FAA Approved Repair Station Z9LR108B

TEARDOWN EVALUATION REPORT

RMA#	R36782	DATE RECEIVED	10/4/2023

SECTION 1: RECEIVING INFORMATION

CUSTOMER	Lufthansa Technic	REPAIR DOCUMENT #	CMM 33-40-02 Rev 002, 20 Oct 2020
CUSTOMER P/N & REV	84088-2 Revision J	LSI P/N & REV	84088-2 Revision J
SERIAL NUMBER(S)	00000249	SERVICE BULLETIN	N/A
DATE CODE	N/A	AIRWORTHINESS DIRECTIVE	N/A
REASON FOR RETURN	Functional Test and repair		

SECTION 2: TEARDOWN REPAIR EVALUATION

Confirmed the customer has returned this unit to be functional tested and repaired if needed. This assembly was powered on and both LED modules turn on and dim down as required. Current is reading around 0.380 A, which is within spec per ATP 15642 (0.350-0.430 A). The housing has had sealant applied and has minor scratches / scuffs. Recommend performing the full ATP as required.
Engineering Evaluation: Concur with technician evaluation

EVALUATION PERORMED BY:	Nate Marzolf / Engr. Nick Kozar	DATE	9/11/2023

SECTION 3: MATERIALS REQUIRED - PARTS LISTED BELOW ARE REQUIRED FOR REPAIR *(IF NONE, INDICATE NONE)*

#	PART NUMBER	DESCRIPTION	QUANTITY	LOT #
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

SECTION 4: WORK PERFORMED — **WORK ORDER** RW14469

1) Kit parts. 2) Reassemble and torque all hardware as per MCR 15823. Replace hardware as needed. 3) Touch up paint as needed. 4) Perform functional testing per MCR 15823. 5) Test Assembly per 15634 6) Buff and clean. 7) Finale Inspection

145 WORK PERFORMED BY:	Operators Tammy Boundy. Repairman Rachelle Dunbar.

Full details of the work performed are on file at this repair station under the above RMA number and associated Work Order(s).

REPORT PREPARED BY:	145 Repairman - Rachelle Dunbar	DATE	10/4/2023

ASTRONICS
LUMINESCENT SYSTEMS INC.

Luminescent Systems Inc.
130 Commerce Way East Aurora, NY 14052-2164 USA
Phone : 716.655.0800 Fax :716.655.0309

Return Material Analysis

October 4, 2023

To: akash.k@lht.dlh.de, Lufthansa Technic
From: Tracy George
Ref. LSI RMA Number: R36782
RMA Date: August 28, 2023

Subject: Units returned for rework
Reference:

PO Number: 252549449
Customer Part Number: NA, **Rev:** N/A
LSI Part Number: 84088-2-RMA
Quantity: 1
Serial Number(s): 00000249

Based upon a formal review of the returned parts, the following disposition was made by LSI:

Reason for return:
Functional test and repair.

Required Rework Details:
Replace the hardware as needed. Clean and buff the housing. Reassembly.
Perform the full ATP as required including thermal and vibe testing.
Due to this unit being installed it will not look new.