

# LIA Laboratory Limited



## Certificate of Product Certification

Certificate Number: **010-0145**

***This is to certify that 'Recessed luminaire'***  
***Model Ref: LD1083-N1 (refer Family variant table)***

Placed on the market by:

**LightGraphix**  
Creative Lighting Solutions

20, Bourne Road Industrial Park,  
Crayford,  
Kent,  
DA1 4BZ,  
United Kingdom

***meets the requirements of the LIA Laboratory Product Conformity Scheme 'TSD-010'.***

**24 June 2024**

**Date of Initial Registration**

**20 December 2024**

**Date of Last Issue**

**20 December 2027**

**Date of Expiry**

The validity of this certificate is subject to continuing conformity with The LIA Laboratory Ltd.'s TSD-010 scheme requirements. The absence of any products listed on certificate but not on the LIA Laboratory certification website indicates that certification of that product is no longer valid.

This certificate supports the requirements of the UK Legislation, regulation UK SI 2016 No. 1101 – The Electrical Equipment (Safety) Regulations 2016 and/or EU Legislation, LVD directive 2014/35/EU.



theLIA  
Laboratory



A handwritten signature in black ink, appearing to read 'K Merrills'.

Kieran Merrills  
Certification Manager

**Signed on behalf of LIA Laboratory Ltd**

Issued by: LIA Laboratory Ltd, Stafford Park 7,  
Telford, Shropshire, TF3 3BQ

For verification of this certificate please visit  
[www.lialabcert.org.uk/certificates-search](http://www.lialabcert.org.uk/certificates-search)



5449

**Manufacturer:**

Lightgraphix Ltd.,  
20, Bourne Road Industrial Park,  
Crayford,  
Kent,  
DA1 4BZ,  
United Kingdom

**Standard(s)**

IEC 60598-2-2:2011;  
BS EN 60598-2-2:2012;  
IEC 60598-1:2020;  
BS EN IEC 60598-1:2021+A11:2022

**National differences**

European national differences (CENELEC), AE, AR, AU, BR, CL, CO, ID, JP, KR, MX, MY, NG, NZ, RU, SA, SG, TH, TR, UA, VN, ZA

**Test report(s)**

CB1210

**Technical characteristics**

Protection class.....	Class III;
Protection against dust, solid object and moisture.....	IP67;
Suitable for surfaces:.....	For normally flammable surfaces;
Classification of use:.....	For normal use;
Construction:.....	Metal body, glass front & plastic diffuser;
Supply connection:.....	Tails;
Used lamp.....	LED module – non-user replaceable;
Ratings.....	700mA max. (constant current), 14W max., ta 35°C*

\*Ta reduced to 25°C for Australia / New Zealand models marked with AU code

Family Variants: Recessed luminaire						
Model number	Current (mA)	Light source (W)	IP rating	Fixing options	Ta rating*	
LD1083-N1	350/500/700	7/10/14	IP67	/SC: Spring clips	45°C (at 350mA & 500mA)	
LD1083-E3	350/500/700	5/7/10			35°C (at 700mA)	
LD40-C1	350/500	1.2/1.7			45°C	
LD42-C1	300/500	1.2/1.7			50°C	
LD42D-C1	350/500	1.2/1.7		/SC: Spring clips, /480: Fixing sleeve	45°C	
LD44-Y1	350/500/700	1.2/1.7/2.4			50°C	
LD45-C1	350/500/700	1.2/1.7/2.4			45°C	
LD46-C1	350/500/700	1.2/1.7/2.4			50°C	
LD47-C1	350/500/700	1.2/1.7/2.4				
LD48-C1	350/500/700	1.2/1.7/2.4			50°C	
LD57-C1	350/500/700	1.2/1.7/2.4				
LD57SQ-C1	350/500/700	1.2/1.7/2.4		/SC: Spring clips, /476: Fixing sleeve	50°C	
LD59-C1	350/500/700	1.2/1.7/2.4		/SC: Spring clips, /CB: Concrete box	45°C	
LD141Y-E3	350/500/700	5/7/10		/SC: Spring clips, /441S: Fixing sleeve		
LD141Y-F1	350/500/700	3.5/5/7		/SC: Spring clips, /484S: Fixing sleeve	45°C	
LD170-E3	350/500/700	5/7/10				
LD170-F1	350/500/700	3.5/5/7		/SC: Spring clips, /CB: Concrete box	45°C	
LD175-E3	350/500/700	5/7/10				
LD1093-E3	350/500/700	5/7/10		/SC: Spring clips	45°C (at 350mA & 500mA)	
LD1093-N1	350/500/700	7/10/14				
LD1093Z-E3	350//500/700	5/7/10		/SC: Spring clips		
LD1093Z-N1	350/500/700	7/10/14				
LD1094-E3	350/500/700	5/7/10		/SM: Screw mounted, /CMR: Surface mount ring, /SC: Spring clip		
LD1094-N1	350/500/700	7/10/14		35°C (at 700mA)		