

# LIA Laboratory Limited



## Certificate of Product Certification

Certificate Number: **010-0118**

***This is to certify that 'LED recessed uplight'***

***Model Ref: LD41 (refer Family variant table )***

Placed on the market by:

# LightGraphix

## Creative Lighting Solutions

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

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

**02 May 2024**

**Date of Initial Registration**

**02 May 2024**

**Date of Last Issue**

**02 May 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on certificate but not on the LIA Laboratory certification website indicates that certification of that product is no longer valid.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



5449

A handwritten signature in black ink, appearing to read 'Anton Borovy'.

Anton Borovy  
Certification Business & Accreditation  
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)

**Manufacturer:**

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

**Standard(s)**

IEC 60598-2-13:2006+Amd2:2016;  
BS EN 60598-2-13:2006+A2:2016;  
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)**

CB1196

**Technical characteristics**

Protection class.....	Class III;
Protection against dust, solid object and moisture.....	IP68;
Suitable for surfaces:.....	For normally flammable surfaces;
Classification of use:.....	For normal use;
Construction:.....	Metal body, glass diffuser;
Supply connection:.....	Tails;
Used lamp.....	LED module – non-user replaceable;
Ratings.....	700mA max. (constant current), 2.4W max., ta 50°C

Family Variants: LED recessed uplight				
Model number	Current (mA)	Light source (W)	IP rating / ta rating	Fixing options
LD41-C1	350 / 500 / 700	2.4W max. LED module	IP68 / ta 50°	/480 fixing sleeve and O-rings, /480GT Ground tube
LD43-C1				Spring clips /SC, /480 Fixing sleeve and O-rings
LD43DR-C1				Spring clips /SC, /480 Fixing sleeve and O-rings, /480T Ground tube
LD43G-C1				Rebate trimless fixing sleeve and O-Ring (480G), Minimalist Trimmed Sleeve and O-Ring (/480TRG), Plaster in Sleeve and O-Ring (/480PSG)
LD44X-C1 & LD44Y-C1				/480 – Fixing sleeve, /SC – Spring clips
LD44G-C1				Rebate trimless fixing sleeve and O-Ring (480G), Minimalist Trimmed Sleeve and O-Ring (/480TRG), Plaster in Sleeve and O-Ring (/480PSG)
LD56-C1				Spring clips /SC, O-rings and /476 fixing sleeve, Ground tube /476GT
LD56T-C1				Spring clips /SC, O-rings and /476 fixing sleeve, Ground tube /476GT
LD60-C1				/480 fixing sleeve and O-rings, /480GT Ground tube

### Product code explanation

LDaa###-C1-bbb/cccc/dddd/e/ffff/

LD – Family name – LED products

aa – Light Engine – 41 / 43 / 44 / 56 / 60;

### - (available only with engines 43, 44 and 56) Bezel type / Position of the luminaire - DR / G / A / L / X / Y – Deep Recessed / Glass Top / Internal Tilt / No internal tilt / Floor light / Wall light;

C1 – LED module – C1 - C1 LED Engine - up to 2.4W @ 700mA,

bbb – Operating current (mA) – 350 / 500 / 700;

cccc – Colour temperature (CCT) – LW22 / LW27 / LW30 / LW40 / LW50 – 2200K / 2700K / 3000K / 4000K / 5000K;

ddd – Beam angle – NB / MB / WB / OB – Narrow spot 12° / Medium 31° / Wide 48° / Oval 12x36°;

e – (available only for LD43, LD43G and LD44) Optical option – A / L – 20° tilt / No tilt;

ffff – (available only for LD43 and LD44X) Glare shield – NGS / GS45 / GS70 / GS44-45 / GS44-70;

Additionally, there is an option of choosing of colour and fixing device. Those options are not present on the product label.

Finish – 316 Stainless steel / Polished & Passivated 316 Stainless Steel / Paint finish black (RAL9005) / Paint finish classic bronze (YM262E) / Paint finish gunmetal grey (RAL 7021) / Paint finish white (RAL 9016) / RAL Colours (client specified);

Fixing & Accessories – 480GT (O-Rings and sleeve)/ 480GT (Ground tube) / SC (Spring clip fixing) / 480SG (Rebate trimless fixing sleeve and O-ring) / 480TRG ( Minimalist trimmed sleeve and O-Ring) / 480PSG (Plaster in sleeve) / 480GTG (Ground tube) / GS56 (Glare shield) / 476 (O-Rings and sleeve) / 476GT (Ground tube)