

LIA Laboratory Limited



Certificate of Product Certification

Certificate Number: **010-0117/A1**

This is to certify that 'LED Spotlight'

Model Ref: LD10238 (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'.

09 October 2024

Date of Initial Registration

14 March 2025

Date of Last Issue

14 March 2028

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on certificate but not on the LIA Laboratory certification website indicates that certification of that product is no longer valid.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

KMS

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

Manufacturer:

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

Standard(s)

IEC 60598-2-1:2020 ;
BS EN IEC 60598-2-1:2021 ;
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)

L20707

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; for indoor and outdoor use;
Construction:.....	Metal body, plastic optic, glass diffuser;
Supply connection:.....	Tails;
Used lamp.....	LED module – non-user replaceable;
Ratings.....	700mA max. (constant current), 14W max., 0.6kg max..

Family Variants					
Product name	Model number	Current (mA) / Voltage (Vdc)	Power (W)	ta (°C)	Product variants
Wall mounted LED Spotlight	LD10238-N1	350mA	7	45	/SAM – Surface arm mount, /SMB – Surface mount base, /GS Ground Spike, /TS – Tree strap, /GSA Adjustable ground spike
		500mA	10		
		700mA	14	25	
Wall mounted LED Spotlight	LD10238-E3	350mA	5	45	/SMD – Surface mounted bracket, /GS – Ground spike, /SAM – Surface mount arm, /TS – Tree strap, /GSA Adjustable ground spike
		500mA	7		
		700mA	10	35	
Wall mounted LED Spotlight	LD10238-F1	350mA	3.5	45	/SMD – Surface mounted bracket, /GS – Ground spike, /SAM – Surface mount arm, /TS – Tree strap, /GSA Adjustable ground spike
		500mA	5		
		700mA	7	35	
Surface mounted adjustable spotlight	LD51-C1	350mA	1.2	50	/LD51 – Standard stirrup, /SMB – Surface mounted bracket, /OB – Oval beam orientation, /TS – Tree strap, /GS – Ground spike, /GSA – Adjustable ground spike
		500mA	1.7		
		700mA	2.4		
Surface mounted adjustable spotlight	LD50-C1	350mA	1.2	50	/EOB & /OB – Oval beam orientations
		500mA	1.7		
		700mA	2.4		
Surface mounted adjustable spotlight	LD238-E3	350mA	5	45	/SMD – Surface mounted bracket, /SAM – Surface mount arm, /GS – Ground spike, /GSA Adjustable ground spike /TS – Tree strap, /BB – Besa Box adaptor
		500mA	7		
		700mA	10	35	

Surface mounted adjustable spotlight	LD238-F1	350mA	3.5	45	/SMD – Surface mounted bracket, /SAM – Surface mount arm, /GS – Ground spike, /GSA Adjustable ground spike /TS – Tree strap, /BB – Besa Box adaptor
		500mA	5		
		700mA	7	35	
High Power surface mounted exterior adjustable spotlight	LD20238-P1	350mA	14	35	/SMB – Surface mounted, /SAM – Surface mount arm, /SGS – Surface ground spike
		500mA	20		
High Power surface mounted exterior adjustable spotlight	LD20238-E1	350mA	5	50	/SMB – Surface mounted, /SAM – Surface mount arm, /SGS – Surface ground spike
		500mA	7		
		700mA	10		
High Power surface mounted exterior adjustable spotlight	LD20238-N1	350mA	7	50	/SMB – Surface mounted, /SAM – Surface mount arm, /SGS – Surface ground spike
		500mA	10		
		700mA	14		
Exterior landscape accent light	LD53-LG2000	24Vdc	5.4	50	/GSF53-3/6/9 – Fixed ground spike (300/600/900mm), /GSAT53-3/6/9 – Adjustable tilt ground spike (300/600/900mm), /SMB53 – Surface mount base, /SMBEX53-100/150/200/250/300 – Extended surface mount base (100/150/200/250/300 mm), SMBEXAT53-100/150/200/250/300 – Adjustable tilt extended surface mount base (100/150/200/250/300 mm), /GSP – Ground spike plate
RGBW Exterior landscape accent light	LG53-LG1300	24Vdc	5.6	50	

Product code explanation:

LD10238-N1-500/LW30/MSB

LDaa(aaa)-bb(bbbb)-ccc/dddd/eee

LD – Family name – LED products

aa(aaa) – Light Engine – 10238 / 51 / 50 / 238 / 20238 / 53;

bb(bbbb) – LED module –

- C1 - C1 LED Engine - up to 2.4W @ 700mA;
- F1 - F1 LED Engine - up to 7W @ 700mA;
- E3 - E3 LED Engine - Up to 10W @ 700mA;
- N1 – N1 LED Engine - up to 14W @ 700mA;
- P1 – P1 LED Engine – up to 20W @500mA;
- LG2000 – Osram LF2000 LED module – up to 5.4W @24Vdc;
- LG1300 – Osram LF1300RGBW LED module – up to 5.6W @24Vdc;

ccc – Drive current – 350 / 500 / 700 – 350mA / 500mA / 700mA;

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

eee – Beam angle –

- For C1 engines – OB / EOB
- For F1 engines – MSB / WB / WWB / OB
- For E3 engines – ENB / NB / MB / WB / WWB / OB
- For N1 engines – NB / MSB / MB / WB / WWB / OB
- For P1 engines – NB / MSB / MB / WB / WWB / OB

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

Finish – Silver Anodised / Antique Bronze / Satin Antique Brass / Satin Brass / Anthracite Grey / Black / White / Textured Mars Bronze / Textured Fir Green / RAL Colours (client specified);

Fixing system - SAM surface adjustable arm, /SMB surface mount base, /GSA adjustable ground spike, /SMBEX surface mount base with extended arm, /GS ground spike or /TS tree strap /GSF Fixed ground spike, /GSAT Adjustable tilt ground spike, /SMB53 Surface mount base, /SMBEX53 Extended surface mount base, /SMBEXAT53 Adjustable tilt extended surface mount base, /GSP Ground spike plate

NOTE: GS, ground spike, fixing system shall be installed into concrete (as specified by manufacturer)