

Technical Report No.: 68.140.23.0478.02

Date: 2024-03-22

Client: Name: Schréder S.A

Address: Rue de Lusambo 67, 1190 Brussels, BELGIUM

Contact person: MOLNÁR-SORENSEN Gábor

Manufacturer: Name: Same as client

Address: Same as client

Factory: 1st Factory name: Shenzhen Huadian Lighting Co., Ltd.

1st Factory Address: 2/F, Building A, Jinkaijin Industrial Park, Shilongzai

Industrial Area, Shuitian, Shiyan Town, Bao'an District, 518108 Shenzhen, Guangdong, PEOPLE'S REPUBLIC OF CHINA

2nd Factory name: Schréder Magyarország Zrt

2nd Factory Address: Tópart 2, 2084 Pilisszentiván, HUNGARY

Test object: Product: LED Flood Light

Model: BRITEL2a-bcc-dx-ye-f-g

('a' represents product input power, can be 1, 1(600W), 2 or 2(1200W), 1=700W, 1(600W)=600W, 2=1400W,

2(1200W)=1200W;

'b' represents product CRI, can be 7, 8 or 9, 7=70, 8=80,

9=90:

'cc' represents product LED CCT, can be 27, 30, 35, 40,

50, 57. E.g. 27=2700K, 57=5700K;

'd' represents company internal code, can be combined by any numbers or letters from '0-9' and 'A-Z' except

d=V1 or V2. E.g. d=A1;

'x' represents the reflector, can be V1, V2 or Blank, when

x=blank, means product without reflector;

'y' represents the LED driver position, can be blank or INT, when y=INT, means LED driver is mounting on the LED module enclosure, when y=blank, means LED driver

is mounting on the luminaire mounting bracket or

separated mounting with luminaire;

'e' represents input voltage, can be L, H or E. L=120-

277VAC, H=277-480VAC, E=220-400VAC;

'f' represents luminaire dimming function, can be N, A, D or DMX. N=no dimming function, A=0-10V dimming, D=DALI dimming, DMX=DMX dimming function) 'g' represents with or without socket, can be NEMA7 or

Report No.: 68.140.23.0478.02

Rev.: 00 Date: 2024-03-22

Page 1 of 18

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Blank. NEMA7= with socket, Blank= no socket, when 'g' is blank, the whole '-g' shall be removed.)

Schréder (Schreder) Trademark:

IK10 test according to IEC 62262:2002+AMD1:2021 Test specification:

Purpose of examination: Testing and evaluation (visual / partial) according to the test specification

The test results show that the presented products are in compliance Test result: with the above listed test specifications.

Any use for advertising purposes must be granted in writing. This technical report may only be quoted in full. This report is the result of a single examination of the object in question. It does not imply a general statement regarding the quality of products from regular production. For further details please see testing and certification regulation, chapter A-3.4.

Report No.: 68.140.23.0478.02

Rev.: 00 Date: 2024-03-22

Page 2 of 18

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1. Description of the test object

1.1 Picture(s)

Representative model: BRITEL21-956-A1-L-D



Representative model: BRITEL22-957-A1-L-D



1.2 Function

Manufacturer's specification for intended use: LED Flood Light for indoor and outdoor use

1.3 Consideration of the foreseeable use

□ Not applicable

□ Covered by the following comment*

☐ Covered by attached risk analysis

1.4 Technical Data

Floodlights (LED Flood Light)

Rated Voltage See 'model list' for details

Rated Frequency 50/60Hz

Rated Power See 'model list' for details

Protection Class

Degree of Protection IP66

Impact Protection IK10 (the short cap and NEMA socket was not evaluated)

Report No.: 68.140.23.0478.02

Rev.: 00 Date: 2024-03-22

Page 3 of 18

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2. Order

2.1 Date of Purchase Order, Customer's Reference

2024-02-26

2.2 Test Sample(s)

Reception date(s): 2024-02-26

Location(s) of reception: TÜV SÜD Certification and Testing (China) Co., Ltd.

Shenzhen Branch

Building 12 & 13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,

Shenzhen, Guangdong 518052, China

Condition of test sample(s): Good

2.3 Testing

• Testing date(s): 2024-02-26 to 2024-03-22

Location(s) of testing: TÜV SÜD Certification and Testing (China) Co., Ltd.

Shenzhen Branch

Building 12 & 13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,

Shenzhen, Guangdong 518052, China

2.4 Points of Non-Compliance or Exceptions of the Test Procedure

None

3. Test Results

"Decision rule according to IEC Guide 115:2023, clause 4.3 was applied."

Report No.: 68.140.23.0478.02

Rev.: 00

Page 4 of 18

Date: 2024-03-22

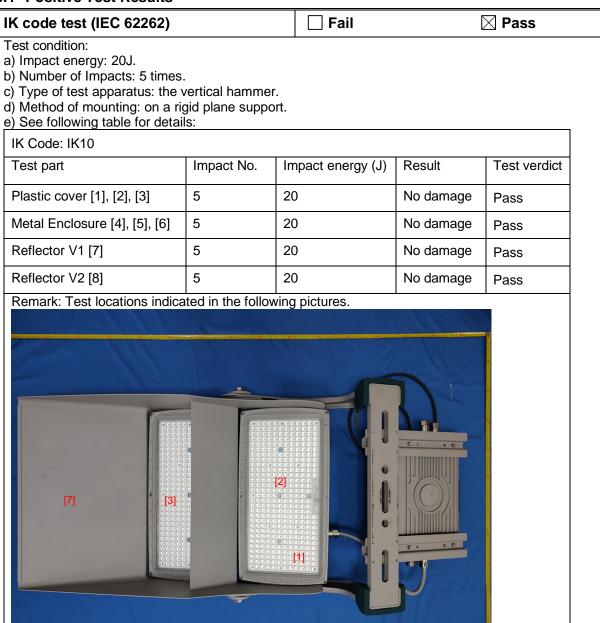
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3.1 Positive Test Results



Report No.: 68.140.23.0478.02

Rev.: 00 Date: 2024-03-22

Page 5 of 18

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The Short cap and NEMA socket were not evaluated IK rating in this report

Report No.: 68.140.23.0478.02 Rev.: 00

Date: 2024-03-22

Page 6 of 18

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3.2 Points of Non-Compliance according to the test specification

· None

4. Test History

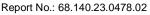
This report is based on and replace previous report 68.140.23.0478.01 (dated 2023-11-17) with below modifications:

- 1. Updated model no. descriptions.
- 2. Added new reflector V1/V2, details see photo documentation.

5. Remarks

5.1 Model list

Model no.	Rated Power	Rated Voltage (code 'e')	LED driver	Dimming function (code 'f')	Photo	
BRITEL21-bcc-dx- ye-f-g	700W	277-480VAC	ESM-680S240BG ×1	DALI		
		277-480VAC	ESM-680S240MG ×1	0-10V or DMX*		
		120-277VAC	EUM-680S240BG ×1	Programmable programs (DALI)		
		120-277VAC	EUM-680S240MG ×1	Programmable programs (0-10V) or DMX*		
BRITEL21(600W)- bcc-dx-ye-f-g	600W	277-480VAC	ESM-680S240BG ×1	DALI		
		277-480VAC	ESM-680S240MG ×1	0-10V or DMX*		
		120-277VAC	EUM-680S240BG ×1	Programmable programs (DALI)		
		120-277VAC	EUM-680S240MG ×1	Programmable programs (0-10V) or DMX*		
		277-480VAC	ESM-680S240BG ×2	DALI		
	1400W	277-480VAC	ESM-680S240MG ×2	0-10V or DMX*		
BRITEL22-bcc-dx- ye-f-g		120-277VAC	EUM-680S240BG ×2	Programmable programs (DALI)		
		120-277VAC	EUM-680S240MG ×2	Programmable programs (0-10V) or DMX*		
		220-400VAC	578AKS ×1	DALI		
		220-400VAC	578BKS ×1	DMX		
BRITEL22(1200W)- bcc-dx-ye-f-g	1200W	277-480VAC	ESM-680S240BG ×2	DALI		
		277-480VAC	ESM-680S240MG ×2	0-10V or DMX*		
		120-277VAC	EUM-680S240BG ×2	Programmable programs (DALI)		
		120-277VAC	EUM-680S240MG ×2	Programmable programs (0-10V) or DMX*		
		220-400VAC	S6-1K2D500 ×1	DALI		
		220-400VAC	S6-1K2R500 ×1	DMX		
		220-400VAC	578AKS ×1	DALI		
		220-400VAC	578BKS ×1	DMX		
'*': models with built-in converter can transfer DMX signal to 0-10V dimming function.						



Rev.: 00 Date: 2024-03-22

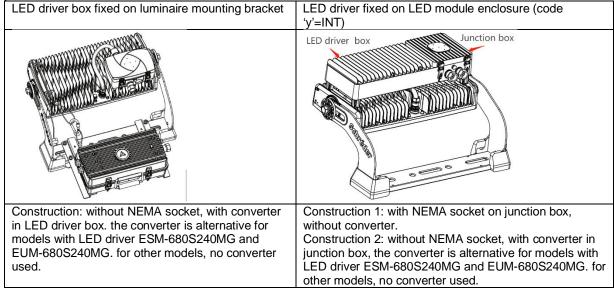
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Continued information:

Model no.	Product size (mm)	Weight (kg)	Max. Projected area (m²)
BRITEL21-bcc-dx- ye-f-g BRITEL21(600W)- bcc-dx-ye-f-g	L609*W436*H332 (for luminaire) (when LED driver on luminaire mounting bracket without reflector) L416*W221*H121 (for LED driver box)	16,5 (for luminaire) 6,2 (for LED driver box)	0,1406
	L609*W508*H626 (for luminaire) (when LED driver on luminaire mounting bracket with V1 reflector) L416*W221*H121 (for LED driver box)	18,27 (for luminaire) 6,2 (for LED driver box)	0,4565
	L609*W436*H345 (for luminaire) (when LED driver on luminaire mounting bracket with V2 reflector) L416*W221*H121 (for LED driver box)	17,27 (for luminaire) 6,2 (for LED driver box)	0,3105
	L609*W436*H351 (when LED driver fixed on LED module enclosure without reflector)	21,5 (for whole product)	0,1450
	L609*W507*H628 (when LED driver fixed on LED module enclosure with V1 reflector)	23,26 (for whole product)	0,3694
	L609*W436*H344 (when LED driver fixed on LED module enclosure with V2 reflector)	22,26 (for whole product)	0,2408
BRITEL22-bcc-dx- ye-f-g BRITEL22(1200W)- bcc-dx-ye-f-g	L679*W723*H367 (for luminaire without reflector) L679*W899*H666 (for luminaire with V1 reflector) L679*W591*H682 (for luminaire with V2 reflector) L426*W283*H110 (for 'EUM'&'ESM' LED driver box) L500*W150*H120 (for 'S6'&'578' LED driver box)	30 (no reflector) 32,68 (V1 reflector) 31,64 (V2 reflector) 10 ('EUM&ESM' driver box) 5,8 ('S6&578' driver box)	0,2915 (no reflector) 0,6060 (V1 reflector) 0,5005 (V2 reflector)

For 600W and 700W models, product with two kinds of construction for LED driver box position, see below:



For 1200W and 1400W models with 'EUM'&'ESM' series LED driver, the LED driver box can only be fixed on luminaire mounting bracket. the product with two constructions, with NEMA socket only or with alternative converter only, both shall be fixed on LED driver box.

Report No.: 68.140.23.0478.02

Rev.: 00 Date: 2024-03-22

Page 8 of 18

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For 1200W and 1400W models with 'S6'&'578' series LED driver, there is no additional driver box, the LED driver is separated installed outside of luminaire. there is no NEMA socket or converter.



Deflector details information as helow:

Reflector details information as below:								
Reflector (Code 'x')								
BRITEL21-	bcc-dx-ye-f-g	BRITEL22-bcc-dx-ye-f-g						
BRITEL21(600	W)-bcc-dx-ye-f-g	BRITEL22(1200W)-bcc-dx-ye-f-g						
Code 'x'=V1	Code 'x'=V2	Code 'x'=V1	Code 'x'=V2					
(fixed angle hood)	(adjustable angle	(fixed angle hood)	(adjustable angle					
	hood)		hood)					

5.2 Appendix 2: photo documentation

The results relate only to the items tested.

Report No.: 68.140.23.0478.02

Rev.: 00 Date: 2024-03-22

Page 9 of 18

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6. Documentation

None

7. Summary

The test specifications are met.

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Tested by:

Approved by:

Steven TapAoje Handler

Kevin Liu, Designated Reviewer

Report No.: 68.140.23.0478.02

Rev.: 00

Date: 2024-03-22

Page 10 of 18

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Appendix 1: Photo documentation

Overview for models with one LED module Details of:

(Representative model: BRITEL21-957-A1-L-DMX)

LED driver box fixed on mounting bracket (without reflector) Remark:



Overview for models with one LED module Details of:

(Representative model: BRITEL21-957-A1-L-DMX)

Remark: LED driver box fixed in mounting bracket (without reflector)



Report No.: 68.140.23.0478.02

Rev.: 00

Date: 2024-03-22 Page 11 of 18

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Overview for models with one LED module Details of:

(Representative model: BRITEL21-957-A1V1-L-DMX)

LED driver box fixed on mounting bracket (with reflector, code 'x'=V1) Remark:



Overview for models with one LED module Details of:

(Representative model: BRITEL21-957-A1V2-L-DMX)

Remark: LED driver box fixed on mounting bracket (with reflector, code 'x'=V2)



Report No.: 68.140.23.0478.02

Rev.: 00

Date: 2024-03-22

Page 12 of 18

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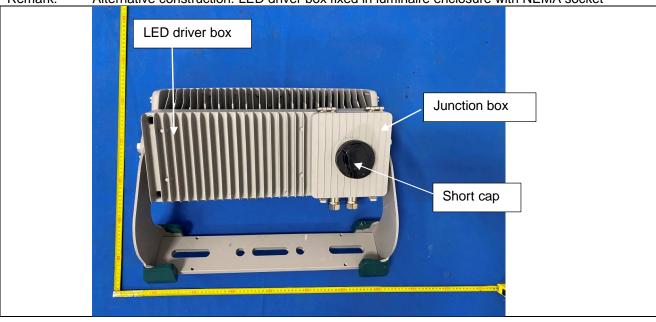
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Overview for models with one LED module (representative model: BRITEL21-957-A1-INTL-D-Details of:

NEMA7)

Alternative construction: LED driver box fixed in luminaire enclosure with NEMA socket Remark:



Overlook for models with one LED module (Representative model: BRITEL21-957-A1-INTL-D-

Details of:

Remark: Alternative construction: LED driver box fixed in luminaire enclosure with NEMA socket



Report No.: 68.140.23.0478.02

Rev.: 00 Date: 2024-03-22

Page 13 of 18

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Overview for models with two LED module Details of:

(Representative model BRITEL22-957-A1-H-D-NEMA7)

Without reflector Remark:



Outlook view for models with two LED module Details of:

(Representative model BRITEL22-957-A1-H-D-NEMA7)

Without reflector Remark:



Report No.: 68.140.23.0478.02 Rev.: 00

Date: 2024-03-22

Page 14 of 18

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Outlook view for models with two LED module Details of:

(Representative model BRITEL22-957-A1V1-H-D-NEMA7)

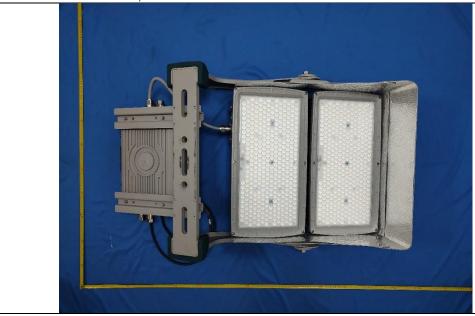
With reflector, code 'x'=V1 Remark:



Outlook view for models with two LED module Details of:

(Representative model BRITEL22-957-A1V2-H-D-NEMA7)

With reflector, code 'x'=V2 Remark:



Report No.: 68.140.23.0478.02

Rev.: 00

Date: 2024-03-22

Page 15 of 18

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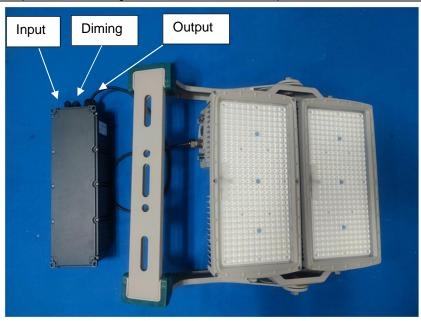
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Guangdong 518052, China



Outlook view for models with two LED module (representative model BRITEL22-957-A1-E-D)
Separated mounting LED driver, LED module parts is identical as above (without reflector) Details of: Remark:



Details of: Outlook view for models with two LED module (representative model BRITEL22-957-A1-E-D) Separated mounting LED driver, LED module parts is identical as above (without reflector) Remark:



Report No.: 68.140.23.0478.02

Rev.: 00 Date: 2024-03-22

Page 16 of 18

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Reflector view (code 'x'=V1 for 600W&700W models) Details of:



Details of: Reflector view (code 'x'=V2 for 600W&700W models)



Report No.: 68.140.23.0478.02 Rev.: 00

Date: 2024-03-22

Page 17 of 18

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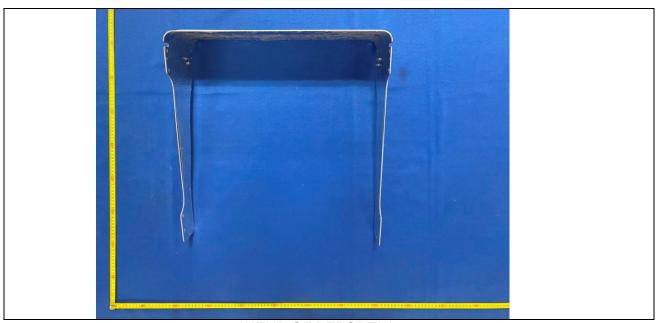
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Reflector view (code 'x'=V1 for 1200W&1400W models) Details of:



Details of: Reflector view (code 'x'=V2 for 1200W&1400W models)



END OF REPORT

Report No.: 68.140.23.0478.02 Rev.: 00

Date: 2024-03-22

Page 18 of 18

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