

Test Report

Report No.: GZES190702120931

Date: 2019-08-30

The following sample(s) was/were submitted and identified on behalf of the client as:

Applicant: BuzziSpace
Groeningenlei 141 2550 Kontich Belgium

Manufacturer: BuzziSpace
Groeningenlei 141 2550 Kontich Belgium

Factory: Shenzhen Solemec Technology Ltd.
1F/2F/3F, No.59 Block, LiSongLang Industrial Zone1, GongMing Street,
GuangMing New District, Shenzhen City, Guangdong, China

Testing location/address: SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch
198 Kezhu Road, Science City, Economic & Technology Development Area,
Guangzhou, Guangdong, China

Standard(s): IES LM-79-08

Test item description: Fixed General Purpose Luminaires

Trade Mark/Brand:



Model/Type reference: BuzziSol Spot Suspended

Ratings: 220-240 V AC; 50/60 Hz; 32 W; 3000 K;

Test result: See Page 4-5.

Remark: Throughout this report a comma is used as the decimal separator.
When determining for test conclusion, measurement uncertainty of tests has been considered.



Alex Tan

Alex Tan
Reviewer
E&E Safety Laboratory

Justin Xie

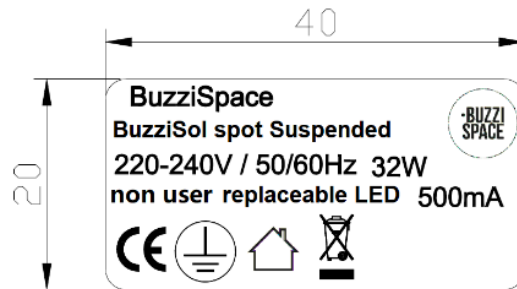
Justin Xie
Sr Project Engineer



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Copy of marking plate



Unit: mm

Summary of testing:

The tests were conducted according to IES LM-79-08 and the client's requirements.

Test item particulars

Lamp cap	Class Spended Frosted
Lamp identification	LED (Bridgelux bxre-30G0800-B-23)
Commission received from	Manufacturer
Date	2019-07-26
Ambient temperature	25 °C
IP number	IP 20

Possible test case verdicts:

- test case does not apply to the test object	N/A (not applicable)
- test object does meet the requirement	P (Pass)
- test object does not meet the requirement	F (Fail)

Testing

Date of receipt of test item	2019-08-27
Date (s) of performance of tests	2019-08-27 to 2019-08-29

General product information:

LED Luminaire.



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1 Test conditions

Before measurements are taken, there is no seasoning for the LED luminaire(s), and the luminaire(s) was/were measured after reaching the stabilization.

The sample was mounted at light down position.

The Total Luminous Flux and Light Distribution were measured by a calibrated Type C Goniophotometer, with photometric distance 7,30 m.

The Color Characteristics were measured by a calibrated 2m Integrating Sphere System which consists of an integrating sphere, spectroradiometer and software in 4 π geometry taken at least 5 nm intervals over the range of 380 to 780 nm. The correction factor is 1,0. The coating reflectance is 98%.

The ambient temperature during measurements was 25°C ± 1°C.



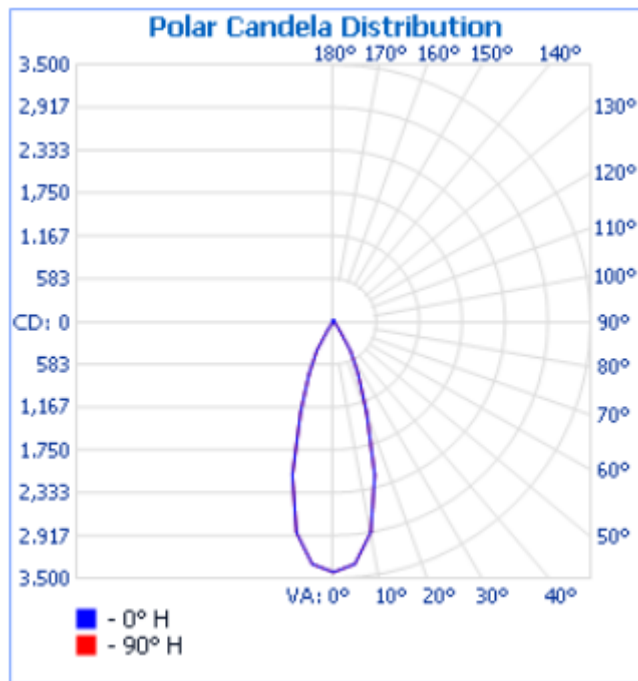
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2 Test Results

I) The Electrical Power, Luminous Flux and Light Distribution according to IES LM-79-08

Test Voltage: 230 V AC
 Total Operating Time: 120 min
 Stabilization Time: 60 min
 Power: 19,74 W
 Total Luminous Flux: 1412,1 lm
 Luminous Efficacy: 71,5 lm/W



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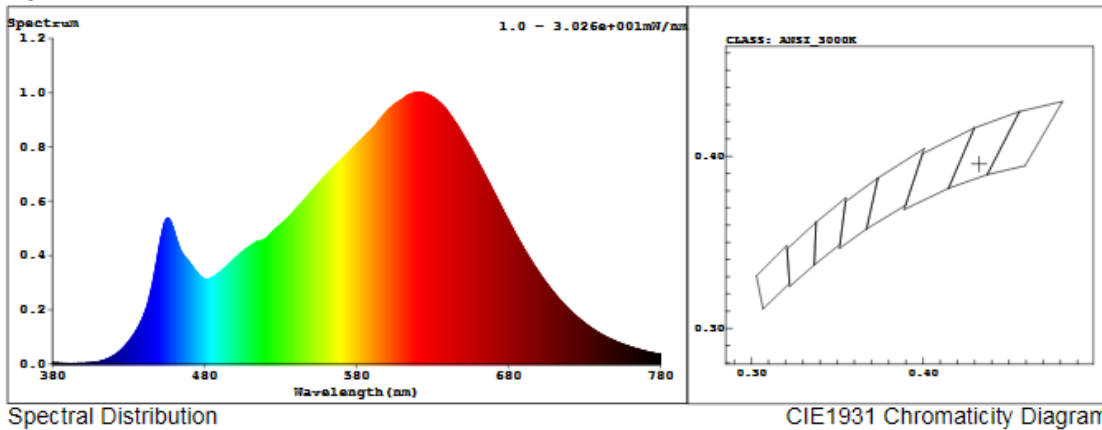
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II) Color Characteristics according to IES LM-79-08

Test Voltage:	230 V AC
Total Operating Time:	80 min
Stabilization Time	60 min
Chromaticity Coordinate	x=0,4326; y=0,3955
	u'=0, 2515; v'=0,5173
Correlated Color Temperature	3002 K
Render Index Ra	92,6
Peak Wavelength	620 nm

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram



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3 List of equipment used

Registration No	Equipment name	Manufacturer	Cal. Due Date (cycle in years)
GZE126-24	Standard light source	Everfine	2020/6/25
GZE126-17	Integrating sphere	Everfine	2020/1/3
GZE126-16	High accuracy array spectroradiometer	Everfine	20120/04/22
GZE126-18	Digital power analyzer	Everfine	2020/04/07
GZE126-19	AC Testing power source	Everfine	2020/04/12
GZE129-1	Goniophotometric system	SENSING	2020/6/28
GZE003-17	AC/DC Power supply	Kikusui	2020/1/2
GZE006-79	Digital power analyzer	Yokogawa	2020/4/7



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Report No.: GZES190702120931

Date: 2019-08-30

Photo documentation:

Details of: General view of BuzziSol spot Suspended

View:

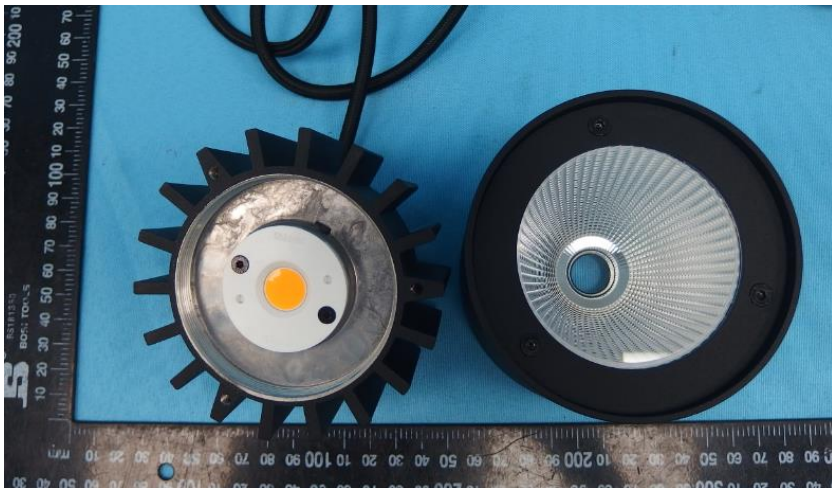
- general
- front
- rear
- right
- left
- top



Details of: LED module for model BuzziSol spot Suspended

View:

- general
- front
- rear
- right
- left
- top
- bottom



--- End of Report ---



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