

<b>TEST REPORT</b> <b>EN 62493</b> <b>Assessment of lighting equipment related to human exposure to electromagnetic fields</b>	
Report Number .....	ED170213033E
Tested by (+ signature) .....	Rance Ye
Approved by (+ signature).....	Sam Lv
Date of issue.....	May 15, 2017
Total number of pages .....	4 pages
<b>Testing Laboratory name</b> .....	EMTEK(DONGGUAN) CO., LTD.
Address .....	No.281, Guantai Road, Nancheng District, Dongguan, Guangdong, China
Testing location / address .....	Same as above
<b>Applicant's name</b> .....	CLF LIGHTING B.V.
Address .....	Handelstraat 25 6851 EH Huissen
<b>Test specification:</b>	
Standard .....	EN 62493: 2015
Non-standard test method.....	N/A
<b>Test item description</b> .....	
Trade Mark .....	
Manufacturer .....	CLF LIGHTING B.V. Handelstraat 25 6851 EH Huissen
Product Name.....	CLF Xena RGBW Par
Model/Type reference .....	CLF Xena RGBW Par, CLF Quadcolor Mini Par (Note: The samples are the same except appearance and model number. So CLF Xena RGBW Par was selected for full tested.)
Input Rating .....	AC 100-240V, 50/60Hz

  
  


<b>Summary of testing:</b>	
The product has been tested according to standard EN 62493: 2015. Maximum ambient temperature: +25°C.	
<b>Test item particulars.....:</b>	
Classification of installation and use .....	for normal use
Supply Connection .....	Type
<b>Possible test case verdicts:</b>	
- test case does not apply to the test object.....:	N (N/A)
- test object does meet the requirement.....:	P (Pass)
- test object does not meet the requirement.....:	F (Fail)
<b>Testing.....:</b>	
Date of receipt of test item .....	February 13, 2017
Date (s) of performance of tests.....:	February 13, 2017 to May 14, 2017
<b>General remarks:</b>	
The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory. "(see Enclosure #)" refers to additional information appended to the report. "(see appended table)" refers to a table appended to the report. Throughout this report a <input type="checkbox"/> comma / <input checked="" type="checkbox"/> point is used as the decimal separator.	
<b>Manufacturer's Declaration per sub-clause 6.2.5 of IEC60335-1:</b>	
The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not applicable
When differences exist; they shall be identified in the General product information section.	
<b>Name and address of factory (ies) .....</b>	Same as the manufacturer
<b>General product information:</b>	
1. The test is conducted on model CLF Xena RGBW Par	

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Clause	Requirement + Test	Result - Remark	Verdict

<b>4.2</b>	<b>APPLICATION OF LIMITS (Test summary)</b>		
	<b>Specific absorption rate (SAR)</b>		
a)	CISPR 15 clause 4.3.1 Disturbance voltage mains terminals 20 kHz – 30 MHz	*)	P
b)	CISPR 15 clause 4.4 Radiated electromagnetic disturbances 100 kHz – 30 MHz	*)	P
c)	CISPR 15 clause 4.4.2 Radiated electromagnetic disturbances 30 MHz – 300 MHz	*)	P
*)	<input checked="" type="checkbox"/> See separate Test Report for measurements of a), b) and c) above Test Report with Ref. No.: ED170213031E. <input checked="" type="checkbox"/> Only measurement of d) below. See measurement results below. In this case this test report does not show compliance with EN 62493.		—
	<b>Induced current density</b>		
d)	Induced current density 20 kHz – 10 MHz	See measurement results below	P

<b>4.2.d</b>	<b>INDUCED CURRENT DENSITY</b>	<b>P</b>
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	Power supply system utilised:	—
	Voltage ..... : AC 230V	—
	Frequency..... : 50Hz	—
	Environmental conditions:	—
	Temperature ..... : 22 °C	—
	Humidity..... : 55%	—
	EUT operation mode:	—
	<input checked="" type="checkbox"/> Normal operation	ON
	<input type="checkbox"/> Other operation:	—
		—

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Clause	Requirement + Test	Result - Remark	Verdict	
<b>4.2.d</b>	<b>MEASUREMENT RESULTS</b>			P
	Measuring with "Van der Hoofden" test head This test item was tested at EMTEK(DONGGUAN) CO., LTD.			
Location of EUT	Measuring distance	Result (F)	Limit (F)	Verdict
Measurement point 1	50cm	0.0594	0.85	Pass

4.2.d EQUIPMENT USED DURING TEST			
Equipment	Manufacturer	Type	Serial. No.
"Van der Hoofden" test head	Schwarzbeck	VDHH9502	9502-065
Measurement receiver	Rohde & Schwarz	ESCS30	100018

Test set-up, photos



-----The end-----