

FAX



Date: Oct. 11, 2007 This document include: 4 Page(s)
To: UBBINK GARDEN BV Fax number: + 49 2871 2101070
Attn.: Mr. HARTMUT KLAUS

Object : Recessed on the ground luminaire, 5060182

Our ref: NOT07JY088LTSP
(For forthcoming communications please use this reference)
Your Contact person: Nicole SUN Tel number: +86 21 66058286

Dear Mr. HARTMUT KLAUS,

Regarding the EMC retests according to the requirement of the standards EN 55015:2000+A1:2001+A2:2002 EN 61547:1995+A1:2000, EN 61000-3-2:2000, EN 61000-3-3:1995+A1:2001+A2:2005 on your Recessed on the ground luminaries, 5060182, we found some of EMC test items failed:

Offer No.	NOT06NO14-02LTSP-A1	After modification, need retest
Product	Recessed on the ground luminaries	如需对产品进行整改,需重测的测试项目
Type	5060182	
Disturbance Voltage 0.009-30 MHz	Passed	<input type="checkbox"/>
Disturbance Power 30-300 MHz	NA	<input type="checkbox"/>
Radiated Electromagnetic Disturbance 0.009-30 MHz	NA	<input type="checkbox"/>
Harmonic Current EN 61000-3-2	Failed again.	<input checked="" type="checkbox"/>
Voltage Fluctuation EN 61000-3-3	Passed	<input type="checkbox"/>
Electrostatic discharge (ESD)	Passed	<input type="checkbox"/>
Surge	Passed	<input type="checkbox"/>
Radiated Immunity (RS)	NA	<input type="checkbox"/>
Electric Fast Transients (EFT)	Passed	<input type="checkbox"/>
Voltage dips and interruption	Passed	<input type="checkbox"/>
Injected Current	Passed	<input type="checkbox"/>

The failed EMC test results are attached. The attachment is only to notice you the failure of your product, not our final EMC report.

F5, Building 10, No. 489, North Xizang Road, 200071 Shanghai, P.R.China

Fax: +86 21 66 05 93 94

Email: contact@lcietchina.com

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The conclusions are not exhaustive on the testing, and apply only to the tests performed when this document was sent. This document conclusion applies only to the tested specimen of the product mentioned. This document is purely informative, only the final test report will give a definitive conclusion.

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FAX



The EMC test is stopped. To solve these EMC test items failed, the modification on the products may have some impact on the remaining tests. Consequently we decide to suspend the test.

In order to re-start the test, we are waiting for modified sample and a written declaration explaining the modifications.

Please note that the dead line for finishing the project mentioned in our offer become cannot apply anymore.

If you have any question, please feel free to contact us.

Thanks

Best regard,

Yi XU
Engineer

Handwritten signature of Yi XU in black ink.

Validated by: Zhaoqian YU

Handwritten signature of Zhaoqian YU in blue ink.

When sending modified samples, mail and documentation concerning the product describes in this fax, you shall include our reference number

F5, Building 10, No. 489, North Xizang Road, 200071 Shanghai, P.R.China

Fax: +86 21 66 05 93 94

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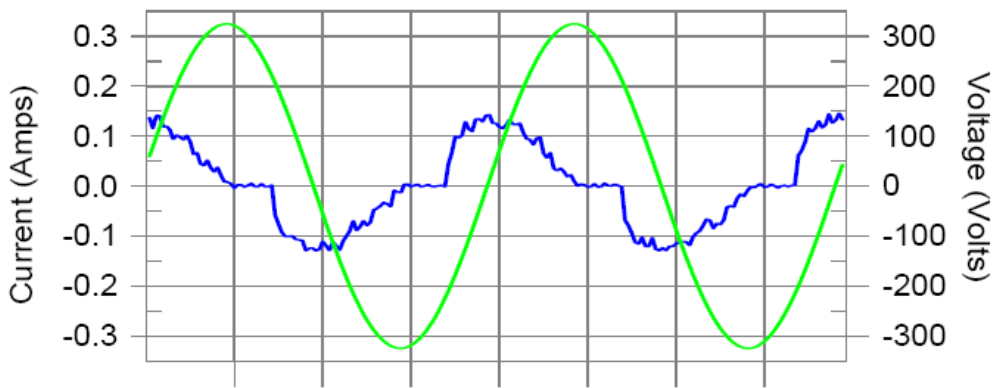
Harmonics – Class-C per A-14(Run time)

EUT: 5060182 Recessed on the ground luminaire
 Test category: Class-C per A-14 (European limits)
 Test date: 2007-10-10 Start time: 10:00:32
 Test duration (min): 2.5 Data file name: CTSMXL_H-000180.cts_data
 Comment: AC230V 6W
 Customer: NOT07JY088LTSP Lcie231#

Tested by: TIET
 Test Margin: 100
 End time: 10:03:13

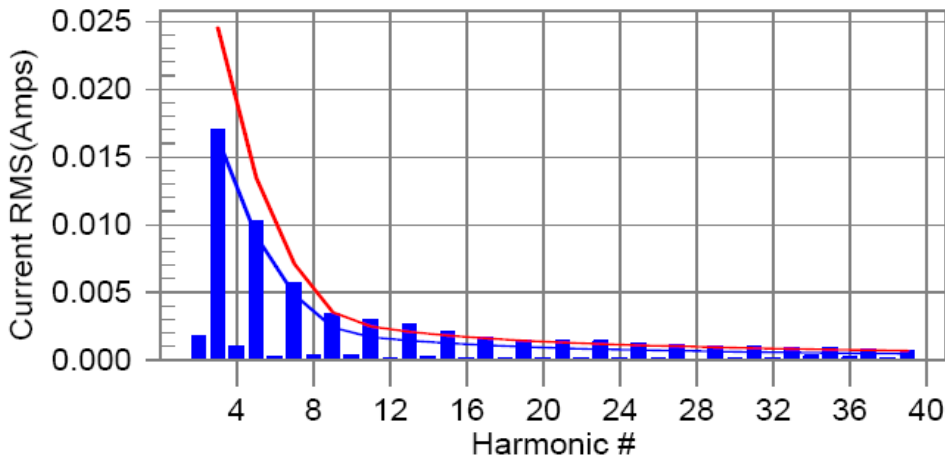
Test Result: Fail Source qualification: Normal

Current & voltage waveforms



Harmonics and Class C limit line (Table-3 Class-D)

European Limits



Test result: Fail or waveform fails phase angle spec. - see below
 I_{pk} Max = 159.26 mA Max_Phase_Angle = 174 degree (Pos)
 I_{start_lowest} = -52.25 mA (Neg) I_{stop_lowest} = 0.00 mA (Neg)



Continued

Current Test Result Summary (Run time)

EUT: 5060182 Recessed on the ground luminaire Tested by: TIET
Test category: Class-C per A-14 (European limits) Test Margin: 100
Test date: 2007-10-10 Start time: 10:00:32 End time: 10:03:13
Test duration (min): 2.5 Data file name: CTSMXL_H-000180.cts_data
Comment: AC230V 6W
Customer: NOT07JY088LTSP Lcie231#

Test Result: Fail Source qualification: Normal
I_h3 = 21.40%(86%) I_h5 = 12.79%(61%) POHC(A): 0.003 POHC Limit(A): 0.002
Highest parameter values during test:

V_RMS (Volts):	229.80	Frequency(Hz):	50.00
I_Peak (Amps):	0.159	I_RMS (Amps):	0.084
I_Fund (Amps):	0.080	Crest Factor:	1.920
Power (Watts):	5	Power Factor:	0.253

Harm#	Harms(%)	100%Limit	%of Limit
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3	21.40	86	24.88
5	12.79	61	20.97