

TEST REPORT

Client: Massow Interiors Ltd
471-473
The Arches
Dereham Place
London
EC2A 3HJ

FAO: Barend Massow Hemmes



Sample **MUSHROOM**

Laboratory No: S1203031/LS/AM1 Reference No: ----

Amendment to Test Report number S1203031/LS dated 9th August 2012

Order No: ---- Date received: 14/06/2012

Description: Class I ordinary fixed luminaire. 60W E27 GLS lamp. Cap-up plastic T190 lamp holder. Pendant luminaire. Lamp holder assembly is covered by a wooden open frame shade. Supplied by household wiring.

Test conducted: Test for compliance with BS EN 60598-1 : 2008 + A11 with reference to EN 60598-2-1 : 1989 (fixed luminaires)

Conclusion The sample **complied** with the European standard.

Martin Langdown
Manager - Electrical Products

2nd October 2012

All results relate only to the sample(s) received for testing.
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REPORT DETAILS

BS EN 60598-1 : 2008 + A11

The clause numbers below relate to the sections EN 60598.

The date of testing shall be taken as between the date of the initial receipt of the sample and the date of the issue of the report unless otherwise specified.

Any clauses not mentioned are not applicable.

Responsible technician: Yasin Khan

2	Classification	Pass
3 ^{**}	Marking	Pass
4	Construction.....	Pass
5	External and internal wiring.....	Pass
7	Provision for earthing	Pass
8	Protection against electric shock.....	Pass
9	Resistance to dust and moisture.....	Pass
10	Insulation resistance and electrical strength	Pass
11	Creepage distances and clearances.....	Pass
12	Endurance and thermal tests	Pass
13	Resistance to heat	Pass
14	Screw terminals	Pass

Clauses 4.4, 4.20, 4.24, 9.2.0 – 9.2.3, 9.2.6 – 9.2.8, 14 & 15 are outside the scope of our UKAS accreditation.

Lamp (bulb) safety is outside the scope of EN60598 and hence this report. If the luminaire is to be sold with a lamp, this should be separately certified.

*** See comments for supplier declaration.*



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COMMENTS

The supplier has declared that the Vask T04 terminal will be supplied in mass production.

CRITICAL COMPONENT LIST:

Component	Manufacturer/ Trademark	Type/Model	Technical Data	Certificate Standard	Certificate Body
Lampholder	ARDITI	A800/C1	T190, 4/250V	EN 60238	ENEC03
Supply Cable	HANG ZHOU SHI ELECTRICAL	H03VV-F	3 x 0.75mm ²	HD21.5	VDE
Terminal Block	VASK	T04	T110 450V	EN 60998	VDE

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COMMENTS

N.B. Standard limits are given in brackets, as applicable.

Marking

**The supplier has declared that the following information will be correctly positioned durably and legibly on the luminaire:

The name of manufacturer/supplier, the model, the rated wattage (60W), the rated voltage (240V), the lamp type, wiring/installation instructions, Terminal identification.



Wiring

The internal PVC wiring had a basic insulation thickness of 0.5mm and a cross-section of 0.75mm²

Earthing, insulation resistance and electric strength

Earth terminal resistance was measured to be: 0.06 Ω [≤ 0.5 Ω]

The insulation resistance at 500V DC between:

Live parts and Class I parts	> 100 MΩ	[≥ 2 MΩ]
Live parts and accessible Class II parts	> 100 MΩ	[≥ 4 MΩ]
Live parts of different polarity	> 100 MΩ	[≥ 2 MΩ]

The electric strength of insulation was tested with an AC voltage between the following:

Live parts and Class I parts:	1.6kV	[≥ 1.5 kV]
Live parts and accessible Class II parts	3.2kV	[≥ 3 kV]
Live parts of different polarity was tested at:	1.6kV	[≥ 1.5 kV]

The leakage current between live and Class I parts was: 0.04 mA [≤ 3.5 mA]

The leakage current between live and accessible Class II parts was: 0.01 mA [≤ 0.7 mA]

Heating

Under the normal operating conditions of Clause 12.4, the following temperatures were recorded:

Lamp-cap	156 °C	[≤ 215 °C]
Lampholder skirt	119 °C	[≤ 195 °C]
PVC internal wiring (not heat resisting sleeved)	88 °C	[≤ 95 °C]
PVC internal wiring at bifurcation point	75 °C	[≤ 95 °C]
Mounting surface	26 °C	[≤ 95 °C]
Shade	42 °C	*

* No limit in EN60598 for external surfaces (except of those of handles, knobs and the like). In the current absence of such a limit, for safety it is recommended that they do not exceed 85°C; ref. EN 60335-1 Safety of Electrical Household Appliances.



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ILLUSTRATION


