



**TEST REPORT**  
**EN 60598-1**

**Luminaires - Clause 9: RESISTANCE TO DUST, SOLID OBJECTS AND MOISTURE**

Report reference No. ....: LCS1408070260S

Tested by(name + signature).....: Sara Tang

Approved by(name + signature) ....: Hart Qiu

Date of issue .....: August 08, 2014

Contents .....: 3 pages



**Testing laboratory**

Name .....: Shenzhen LCS Compliance Testing Laboratory Ltd.

Address .....: 1/F., Xingyuan Industrial Park, Tongda Road, Bao'an Avenue, Bao'an District, Shenzhen, Guangdong, China

Testing location .....: Same as above

**Client**

Name .....: Global Tech. China Limited

Address.....: 3 Floor, Wai Yip Industrial Building, 171 Wai Yip Street, Kwun Tong, Kowloon, Hong Kong

**Manufacturer**

Name .....: Global Tech. China Limited

Address.....: 3 Floor, Wai Yip Industrial Building, 171 Wai Yip Street, Kwun Tong, Kowloon, Hong Kong

**Test specification**

Standard .....: Clause 9 of EN 60598-1: 2008+A11: 2009 (RESISTANCE TO DUST, SOLID OBJECTS AND MOISTURE)

Test procedure .....: Compliance with Clause 9 of EN 60598-1: 2008+A11: 2009 (RESISTANCE TO DUST, SOLID OBJECTS AND MOISTURE)

Non-standard test method .....: N/A

Test item Description.....: 50 Watt Mightylite

Trademark .....: Mightylite

Model and/or type reference.....: 4030WXYZ (the X stands for PIR)

Rating(s).....: 100-240V~, 50/60Hz, Max.50W, IPX5

**Test item particulars**

Classification of installation and use .....: Class II

Supply Connection .....: Terminal block

**Test case verdicts**

Test case does not apply to the test object : N(N/A)

Test item does meet the requirement .....: P(Pass)

Test item does not meet the requirement ...: F(Fail)

**Testing**

Date of receipt of test item.....: August 06, 2014

Date(s) of performance of test.....: August 06, 2014 – August 08, 2014

**General remarks**

This report shall not be reproduced except in full without the written approval of the testing laboratory.

The test results presented in this report relate only to the item tested.

Clause numbers between brackets refer to clauses in EN 60598-1.

"(see remark #)" refers to a remark appended to the report.

"(see Annex #)" refers to an annex appended to the report.

Throughout this report a comma is used as the decimal separator.

**General product information**

The test report include: Attachment No. 1: 1 page of Photo Documentation.

EN 60598-1			
Clause	Requirement - Test	Result - Remark	Verdict

<b>9</b>	<b>RESISTANCE TO DUST, SOLID OBJECTS AND MOISTURE</b>		<b>P</b>
	Tests for ingress of dust, solid objects and moisture:		P
	- classification according to IP .....: IPX5		P
	- mounting position during test .....:		P
	- fixing screws tightened; torque (Nm) .....:		P
	- tests according to clauses .....:		P
	- electric strength		N
	a) no deposit in dust-proof luminaire		N
	b) no talcum in dust-tight luminaire		N
	c) no trace of water on current-carrying parts or SELV parts or where it could become a hazard		P
	d) i) For luminaires without drain holes – no water entry		P
	d) ii) For luminaires with drain holes – no hazardous water entry		N
	e) no water in watertight luminaire		P
	f) no contact with live parts (IP 2X)		N
	f) no entry into enclosure (IP 3X and IP 4X)		N
	f) no contact with live parts (IP3X and IP4X)		N
	g) no trace of water on part of lamp requiring protection from splashing water		P
	h) no damage of protective shield or glass envelope		P

# ATTACHMENT 1

## Photo Documentation

View:  
Model:  
4030WXYZ

- General
- Front
- Rear
- Internal
- Top
- Bottom
- PWB



Figure 1

View:

- General
- Front
- Rear
- Internal
- Top
- Bottom
- PWB



Figure 2 (IPX5 test photo)