


IP66 TEST REPORT

Report Reference No.....: NTC10741

Compiled by (+ signature).....: 
Kim Mai

Approved by (+ signature).....: Neil Zhong



Date of issue.....: 2018-08-02

Testing Laboratory.....: New Testing Centre Co., Ltd

Address.....: 5RD FL, ZONE A, Sangtai Industrial Park, Guanwai Xiaobaimang Songbai Road Nanshan District, SHENZHEN, GUANGDONG, CHINA, 518000

Testing procedure.....: TL RMT SMT WMT TMP

Testing location: New Testing Centre Co., Ltd

Applicant's name.....: ENERGYLED ELECTRONICS CORPORATION


Address.....: (Zone 22) Guiyuan Rd. North, Jixi Rd. West, Duanzhou District, Zhaoqing City, Guangdong Province China

Test specification:

Test procedure.....: As specified by client, to determine Degrees of protection provided by enclosure (IP66) on the submitted sample(s).

Test standard.....: According to IEC 60529:1989+A1:1999+A2:2013 Degrees of protection provided by enclosure (IP code)

Test item description.....: LED Flood light

Trade Mark.....:  **Energyled**

Manufacturer.....: ENERGYLED ELECTRONICS CORPORATION

Model/Type reference.....: ES-3016-100-XW, ES-3016-200-XW, ES-3016-300-XW,
X can be S,W, K, N, T, D, L, C, P to represent LED
color temperature for CCT.;
(All models have a similar shape, select ES-3016-300-XW for test.)

Ratings.....: Input: AC 100-240V

IP66 Result.....: Pass

Testing Ambient Condition:

Temperature	23°C
Relative Humidity	76%RH
Atmospheric Pressure	100KPa

Testing Instrument(s)/ Appliance(s):

Testing Item(s)	Instrument(s) /Appliance(s)
Dust-tight test	Dust-proof Box
Water-tight test	Pontoon

Testing Data:

Testing Item(s)	Dust-tight test
Testing Method/Appliance	Sub atmospheric pressure applied Dust-proof Box,
Testing Condition	Talc *applied in testing, content:2Kg/m ² in testing box, applied times: 18; Testing Duration:8h
Requirements of IP 6X	No ingress of dust.
Testing Result(s)	No ingress of dust.

Testing Item(s)	Water-tight test
Testing Method/Appliance	Nozzle applied
Testing Condition	<p>Internal diameter of the nozzle: 12,5mm Delivery rate: 100 l/min ± 5%; Water pressure: to adjusted to achieve the specified delivery rate; Core of the substantial steam: circle of approximately 120 mm diameter at 2,5 m distance from the nozzle; Test duration per squire metre of enclosure surface area likely to be sprayed: 1 min' Minimum test duration: 3 min; Distance from nozzle to enclosure surface: between 2,5 m and 3 m.</p>
Requirements of IP X6	<p>No ingress of water If any water has entered,it shall not: -be sufficient to interfere with the correct operation of the equipment or impair safety; -deposit on insulation parts where it could lead to tracking along the creepage distance; -reach live parts or windings not designed to operate when wet; -accumulate near the cable end or enter the cable if any. For enclosure with drain-holes,it should be proved by inspection that any water which enters does not accumulate and that it drains away without doing any harm to the equipment. For enclosure without drain-holes,the relevant product standard shall specify the acceptance conditions if water can accumulate to reach live parts.</p>
Testing Result(s)	No ingress of water.

Note:

- * Talc powder has been filtrated by metal square hole sieve, pore size is 75 µ m.
- N(.A.)=does not apply to the test object
- Photograph is included.

Test Photos

IP6X:



IPX6:



Sample Photos



.....End of report.....