

Rep.No.  
20240210R03118X-2



# WEEE Assessment Report

**Name of sample:** V16 Lamp

**Model:** T912

**Client unit:** Shenzhen Neoway Technology Co.,Ltd

**Address:** Room 4401, Building 1, Huide Tower, Beizhan  
Community, Minzhi Sub-district, Longhua District,  
Shenzhen, Guangdong, P.R.China



**CCIC Southern Testing Co.,Ltd.**

Address: Electronic Testing Building, No. 43 Shahe Road, Xili Jiedao, Nanshan District, Shenzhen, Guangdong, China

P.C.: 518055

TEL: 86-755-86913585

Internet: [http:// www.ccic-set.com](http://www.ccic-set.com)

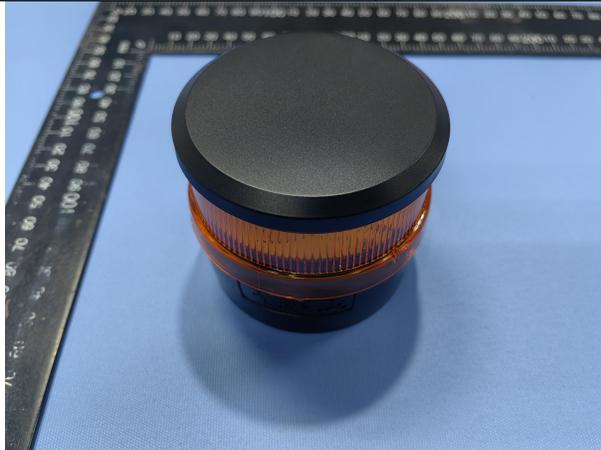
FAX: 86-755-26627238

E-Mail: [manager@ccic-set.com](mailto:manager@ccic-set.com)



## 1. General Information

Client	Shenzhen Neoway Technology Co.,Ltd
Client Address	Room 4401, Building 1, Huide Tower, Beizhan Community, Minzhi Sub-district, Longhua District, Shenzhen, Guangdong, P.R.China
Product Name	V16 Lamp
Model	T912
Trade mark	neoway
Manufacturer	Shenzhen Neoway Technology Co.,Ltd
Address	Room 4401, Building 1, Huide Tower, Beizhan Community, Minzhi Sub-district, Longhua District, Shenzhen, Guangdong, P.R.China
Sample received	Feb. 26, 2024
Testing date	Feb. 26, 2024~ Mar. 26, 2024
Category under the WEEE Directive	5th category(Small equipment (no external dimension more than 50cm))



Tested By:

*Sven*

Checked By:

*yan*

Approved By:

*XuPeng*

Date:

Mar. 26, 2024

Date:

Mar. 26, 2024

Date:

Mar. 26, 2024



## 2. Result of Reuse/Recycling/Recovery Assessment

Reuse/Recycling/Recovery	Reuse/Recycling (%)	Recovery (%)
Reuse/Recycling/Recovery Targets under the 2012/19/EU WEEE Directive	55	75
Result of Assessment	92.22	92.22
WEEE requirement compliance	Yes	Yes

## 3. Appearance of the Product



Front



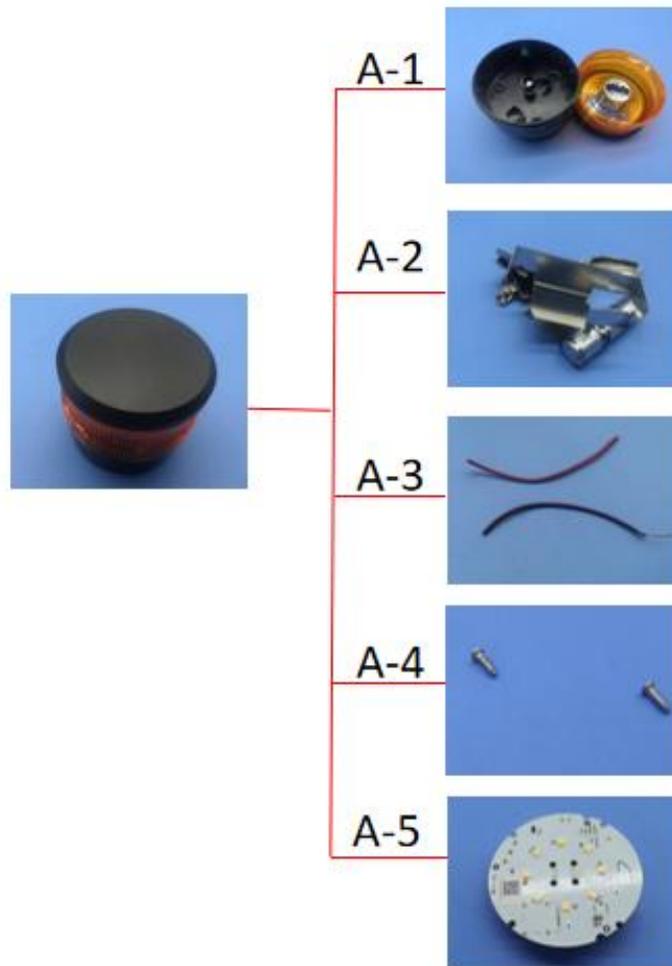
Bottom

## 4. Selective Treatment for Materials and Components

According to Articles 8(2) and the Annex VII of the WEEE Directive, this product contains components and material items are described in the following table.

Component/Material	Photo No.	Size or Quantity	Weight (g)
PCBA	A-5	6.2cm×6.2cm×0.1cm	14.16

## 5. Disassembly Tree



## 6. Disassembly Procedure

The disassembly procedure taken here is in accordance with the treatment requirements under the Annex IV of the WEEE Directive. In addition, to consider economic and efficiency factors, manual operation and disassembly tools have been applied to separate the components and materials from this product in order to simulate the scenario at the treatment facility, and to achieve the objective that the separated components and materials can be reused, recycled and recovered.

### 6.1 Connection technique:

For this product, the connection technology including as following:

Screw: 2



**6.2 Disassembly tool:**

The disassembly tools used for this product show as following:

Disassembly Tool	Pictures
Cross-screwdriver	
Needle-nose pliers	

**6.3 Disassembly time:**

30 Minutes By Manual Disassembly

**6.4 Loss during disassembly**

Product weight before disassembly: 122.99g

Product weight after disassembly: 122.93g

Lost rate: 0.05%





## 7. Material and Recycling Information

According to the information declared by the applicant company, the material and recycling information for this product is described in the following table.

The reuse, recycling and recovery assessment for this product is based upon economic and efficiency considerations, and the waste treatment technologies and equipment that are most frequently available to the market.

Photo No.	Component/Material Composition	Weight (g)	Percent Weight (%)	Reuse/ Recycling (%)	Energy Recovery (%)	Recovery (%)
A-1, A-3	Non-metal	93.1	75.7	69.64	--	69.64
A-2, A-4	Metal	15.67	12.74	12.1	--	12.1
A-5	PCB	14.16	11.51	10.48	--	10.48
Total		122.93	99.95	92.22	--	92.22

**Note:**

Due to their insignificant weight and the difficulty of their separation in a manual operation, sticker, solder, paint and printing materials are not included in this assessment.

Plastic containing brominated flame retardants is not assessed in the list.

Battery subject to Battery regulation (EU) 2023/1542, it must be removed from the WEEE for recycling separately, the weight percent, reuse & recycling rate, recovery rate do not contain the battery.





## 8. Recycling and Recovery Rate Calculation

Reuse Recycling & Recovery Rate using in the report are calculated as following formulas:

$$\text{Reuse \& Recycling Rate} = \frac{\text{Reuse \& Recycling Weight}}{\text{Product Total Weight}} (\%)$$

$$\text{Recovery Rate} = \frac{\text{Reuse \& Recycling Weight} + \text{Energy Recovery Weight}}{\text{Product Total Weight}} (\%)$$

Total weight of the product is including the main product and accessories.

## 9. ANNEX VII of WEEE Directive

Selective treatment for materials and components of waste electrical and electronic equipment referred to in Article 8(2):

- polychlorinated biphenyls (PCB) containing capacitors in accordance with Council Directive 96/59/EC of 16 September 1996 on the disposal of polychlorinated biphenyls and polychlorinated terphenyls (PCB/PCT) ,
- mercury containing components, such as switches or backlighting lamps,
- batteries,
- printed circuit boards of mobile phones generally, and of other devices if the surface of the printed circuit board is greater than 10 square centimetres,
- toner cartridges, liquid and paste, as well as colour toner,
- plastic containing brominated flame retardants,
- asbestos waste and components which contain asbestos,
- cathode ray tubes,
- chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC) or hydrofluorocarbons (HFC), hydrocarbons (HC),
- gas discharge lamps,
- liquid crystal displays (together with their casing where appropriate) of a surface greater than 100 square centimetres and all those back-lighted with gas discharge lamps,
- external electric cables,
- components containing refractory ceramic fibres as described in Commission Directive 97/69/EC of 5 December 1997 adapting to technical progress for the 23rd time Council Directive 67/548/EEC on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances ,
- components containing radioactive substances with the exception of components that are below the exemption thresholds set in Article 3 of and Annex I to Council Directive 96/29/Euratom of 13 May 1996 laying down basic safety standards for the protection of the health of workers and the general public against the dangers arising from ionizing radiation ,
- electrolyte capacitors containing substances of concern (height > 25 mm, diameter > 25 mm or proportionately similar volume).





## 10. Recommendations for WEEE Directive Compliance

- In order to avoid the product not meeting the reuse/recycling/recovery targets regulated under the WEEE Directive and the regulations of EU countries, the applicant company should, when selecting material and components design, consider they can be easy to reuse and recycle. This consideration will lessen the impact of the required international environmental directives and also improve the product's competitiveness.
- It is recommended that the applicant company, when designing new product, especially where components and materials have a large weight ratio, should consider using recyclable materials in order to increase the product's reuse/recycling/recover ratio.
- The product should apply to the RoHS Directive (Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronics equipment). The hazardous substance specification in the Directive should be controlled in the homogenous material of this product.
- If a product has changed its product design, or materials or components employed, then the product should be reassessed and retested in accordance with the WEEE Directive for reuse/recycling/recovery assessment and RoHS for restricted/banned substances requirements.

\*\*\* The End\*\*\*





# WEEE Assessment Report

Rep. No.  
20240210R03118X-2

## STATEMENT

1. The test report is invalid without stamp of laboratory.
2. The test report is invalid without signature of person(s) testing and authorizing.
3. The test report is invalid if erased and corrected.
4. Test results of the report is valid to the test samples if sampling by client.
5. All item to be outside the scope of authorized by CNAS.
6. All item to be outside the scope of CMA, the test method、 data and results are available for reference.
7. The test report shall not be reproduced except in full, without written approval of the laboratory.
8. If there is any objection to report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

