

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20170919-E343741  
**Report Reference** E343741-20140620  
**Issue Date** 2017-SEPTEMBER-19

**Issued to:** ENERGY RECOVERY PRODUCTS (ZHUHAI) CO LTD  
NANPING SCIENTIFIC TEC INDUSTRY PARK  
NO 8 PINGDONG RD 2, ZHUHAI  
GUANGDONG 519060 CHINA

**This is to certify that  
representative samples of**


COMPONENT - DRIVERS FOR LIGHT-EMITTING-DIODE  
ARRAYS, MODULES AND CONTROLLERS  
Refer to addendum page for models.

Have been investigated by UL in accordance with the  
Standard(s) indicated on this Certificate.

**Standard(s) for Safety:**  
**Additional Information:**

See addendum page for Standards  
See the UL Online Certifications Directory at  
[www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's  
Certification and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog  
number, model number or other product designation as specified under "Marking" for the particular  
Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products  
that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark:  
, may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is  
required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual  
recognitions.

Recognized components are incomplete in certain constructional features or restricted in performance  
capabilities and are intended for use as components of complete equipment submitted for investigation rather  
than for direct separate installation in the field. The final acceptance of the component is dependent upon its  
installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program  
UL LLC

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contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

USR, CNR- Component LED Driver, Series ESSH0PPA-XXXX-VV-YYYY-ZZZZ.

Where "PP" – If  $P_{out} < 11W$ , "PP"=10; if  $11W < P_{out} < 15W$ , "PP"=15; if  $15W < P_{out} < 20W$ , "PP"=20; if  $20W < P_{out} < 30W$ , "PP"=30; if  $30W < P_{out} < 40W$ , "PP"=40.

"A" - Denotes input voltage code. If input rated 120Vac, "A"=U; if input rated 120-277Vac, "A"=W; if input rated 277Vac, "A"=V; if input rated 230Vac, "A"=E.

"XXXX" - Denotes regulated output current or could be blank. Regulated output current is not greater than max output regulated current within the output voltage range.

"VV" - Denotes maximum output voltage which is not greater than max output voltage range.

"YYYY" - Denotes customer code for market purpose only. It could be blank, 2digits or 3 digits or 4 digits or 5 digits, any combination of alphanumeric characters or blank.

"ZZZZ" - Denotes customer code for market purpose only. It could be blank, 2digits or 3 digits or 4 digits or 5 digits, any combination of alphanumeric characters or blank.

"H" – Denotes the type of housing. It could be blank or letter "T".

## Standards:

UL 8750 Light Emitting Diode (LED) Equipment for Use in Lighting Products  
CAN/CSA C22.2 No. 250.13-14 Light Emitting Diode (LED) Equipment for Lighting Applications



Bruce Mahrenholz, Director North American Certification Program  
UL LLC

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