

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20170215-E469276  
**Report Reference** E469276-20141231  
**Issue Date** 2017-FEBRUARY-15


**Issued to:** TYCO ELECTRONICS CORP  
2901 FULLING MILL RD  
MIDDLETOWN PA 17057-3170

**This is to certify that representative samples of** COMPONENT - SOLID-STATE LIGHTING BASES, HOLDERS AND CONNECTORS  
See Addendum Page for Models

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

**Standard(s) for Safety:** See Addendum Page for Standards  
**Additional Information:** 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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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

## MODELS:

LED Solid-State Lighting Assembly (CoB) Holders, Series Lumawise Z50 models 2213480-2, 2213480-1, 3-2213480-1 and 1-2213480-1

## STANDARDS:

Standard(s) for Safety  
UL 8754, Holders, Bases, and Connectors for Solid-State (LED) Light Engines and Arrays  
ULC 8754, Holders, Bases, and Connectors for Solid-State (LED) Light Engines and Arrays



Bruce Mahrenholz, Director North American Certification Program

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## PRODUCT COVERED:

\*LED Solid-State Lighting Assembly (CoB) Holders, Series Lumawise Z50 models  
**2213480-2, 2213480-1, 3-2213480-1 and 1-2213480-1**

Notes: USR - United States Standard, Recognized  
CNR - Canadian Standard, Recognized

## PRODUCT RATINGS:

Model Numbers	Temperature HT Rating	Input Electrical			Limited Application Device (LAD)
	(°C)	(V)	(A)	(W)	
* <b>2213480-2, 2213480-1, 3- 2213480-1 and 1- 2213480-1</b>	---	277	5	---	NO

## TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

USR These devices have been investigated using requirements contained in UL 8754, Standard for Holders, Bases, and Connectors for Solid-State (LED) Light Engines and Arrays, 1st edition.

CNR- These devices have been investigated using requirements contained in ULC S-8754, Standard for Holders, Bases, and Connectors for Solid-State (LED) Light Engines and Arrays, 1<sup>st</sup> edition.

These devices were additionally investigated to UL 2097, Reference Standard for Double Insulation Systems for Use in Electronic Equipment, 4<sup>th</sup> edition.

## GENERAL:

Use - For use only in complete equipment where the acceptability of the combination is determined by UL LLC.

Conditions of acceptability - For use only in complete equipment where the acceptability of the combination is determined by UL LLC.

When installed in the end-use application, consideration shall be given to the following:

1. These devices are only investigated for use with light sources that are intended for factory installation or servicing by qualified personnel only.
2. These Solid-state assembly holders (CoB holders) have not been investigated for servicing by end-users (i.e., servicing performed by qualified personnel only).
3. These holders are formed of thermoplastic material rated V-0, 130 degrees C, and have been subjected to a mold-stress relief test at 100C for 7 hours. Consideration shall be given to the suitability of the body material in the end-use application.
4. Supply conductors shall be installed in the end-use such that they are not subjected to strain after installation.