DESCRIPTION

PRODUCT COVERED:

USR, CNR - Component, Cat. No. Philips Fastflex LED board nxkup/zcc, **nxk/zcc Gen 2** Series and Cat. No. Philips Fastflex LED module nxkup/zcc Series. Cat. Nos. may be followed by additional suffixes for commercial purposes.

GENERAL CONSTRUCTION:

This component LED Light Module consists of LEDs mounted on a printed wiring board, connector and optionally provided with polymeric diffuser. Intended to be customizable between **750Lm (4 up) and 3000Lm (16 up) for suffix "Gen 2" and between** 3000Lm (20up) and 12,000Lm (80up) in any shape with each LED provided with minimum 231 mm²/LED **or suffix "Gen 2" minimum 210 mm²/LED** of copper area on the printed circuit board and 25mm minimum spacing dome center to dome center.

Electrical ratings:

		Suffix "Gen 2"
Maximum Input Current:	1.25A	**1A**
Maximum number LEDs:	80	**16**
Maximum Wattage:	293 W	**55W**
Maximum Voltage dc:	234.41 Vdc	**55 Vdc**

Product Key:

Philips Fastflex LED board/module Series nxkup/zcc, **nxk/zcc Gen 2**

where:

n = number LEDs in width
k = number LEDs in length
z = CRI divided by 10, one digit
c = color temperature divided by 100, two digits

TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE USE):

USR indicates compliance with UL 8750, the Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products.

CNR indicates compliance with C22.2 No. 250.0-08, Luminaires

These units are intended for installation in complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Conditions of Acceptability:

1. These products have been evaluated only for connection to an isolated or direct constant current power source having a rated DC output of 1.25A max, 293W. Suitability of using a differently rated power source shall be determined in the end-use application.

1a. Suffix "Gen 2" products have been evaluated for connection to only a Class 2 power source, with a maximum rated output of 55Vdc.

2. The suitability of using this module in other than a dry or damp location shall be determined in the end use application.

3. The equipment was submitted and tested in an ambient temperature of 40°C with a temperature control, fan, and heat sink. The TC point temperature shall be determined in the end-use product and shall not exceed 86°C,**suffix "Gen 2" shall not exceed 75°C**. The TC point is located on the back side center of the PWB.

4. Suitability of the luminaire input supply connection shall be determined in the end-use application.

5. Mounting shall be determined suitable in the end use application.

6. The unit may be provided with a wiring harness. Suitability of the wires and connectors shall be determined in the end-use product.