Conditions of Acceptability

Use - For use only in (or with) complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.
Conditions of Acceptability - When installed in the end-use equipment, the following are among the considerations to be made:

1. The LED Driver was judged on the basis of the required spacing distances specified in the following standards for safety:

   USR – Indicates investigation to the United States requirements for Light Emitting Diode (LED) Equipment for Use in Lighting Products, UL 8750 - STANDARD FOR LIGHT EMITTING DIODE (LED) EQUIPMENT FOR USE IN LIGHTING PRODUCTS – Ed. #1
   CNR – Indicates investigation to the Canadian Standard CAN/CSA-C22.2 No. 250.13-14, the Canadian Standard for Light Emitting Diode (LED) Equipment for Lighting Application – 2nd Edition

The driver was evaluated for the following product characteristics:

Model: TLED40W-054-C0700-D			Installation Location	Type HL (c)	Type TL (d)
	Input type: Branch (Mains)	Output type: CC – Constant Current Output is Isolated: Class 2 (a) LED Class 2 (b2)	DAMP	NO	Yes Tref Max: 89 °C Tref: 63 °C At the "Tc" Location

a- As defined in UL 8750, Clause 7.12.1
b1- As defined in UL 8750, Section 8.14
b2- As defined in CAN/CSA-C22.2 No. 250.13, Annex A
c- Evaluated per UL 8750 requirements for Type HL LED drivers
d- Evaluated per UL 8750 requirements for Type TL LED drivers

Conditions of Acceptability – Continued:

Use – For use only in (or with) complete equipment where the acceptability of the combination is determined by UL LLC.

2. The primary and the output connection leads are R/C (AVLV2/AVLV8), or CN and (AVLV2), 18 AWG, 300 V, stranded wire. The dimming are the same except 22 AWG. The suitability and the acceptability of the leads relative to strain relief and secureness, is to be determined as part of the end device evaluation.

3. The LED Driver is suitable for use in “DRY” and “DAMP” locations.

4. The “IP66” specified on the marking label has not been evaluated. Therefore, if required for the completion of the evaluation of the end-use application, the suitability of the driver must be determined in the end-use application.

5. The driver housing is R/C (QMFZ2/QMFZ8), by LG CHEM LTD (E67171), designated LUPOY EF-1006F, 1.8 mm thick, 115 C, rated 94V-0/5VB. The housing was not evaluated to determine the suitability as the ultimate enclosure. These, the driver is intended for installation inside a suitable enclosure in the end-use application

6. When the drivers are installed in the end-use application, as part of temperature testing, the maximum measured exterior case temperature at the “Tc” location specified on the marking label, Illustration specified on the marking label, Illustration #1, shall not exceed 89 C.

7. The maximum output parameters available at the output of modules were found in compliance with the maximum allowable limits for Inherently Limited Class 2 source per the UL1310 standard and Annex A of the Canadian Standard CAN/CSA-C22.2 No. 250.13-14.

8. Since the maximum output voltage of the driver exceeds 30 VDC but less than 60 VDC, the output of the driver is considered "Class 2 Not Wet, Class 3 Wet." Therefore, if the output wiring along with the associated circuits does extend into areas where wet contact is likely, this indicates that Class 3 wiring is required to be used in accordance with Article 725 of the National Electrical Code.

Conditions of Acceptability – Continued:

9. If the Leakage current measurements are required in the end-use application, the Leakage Current Measurement test shall be performed on the combination of the driver and the end-use product.

   However, the following selected representative driver models were subjected to Leakage Current measurements and the measured leakage current values were as specified in the following table. The need to perform the leakage current on the combination of the driver and the end-use application shall be determined:

Model	Test Voltage	Measured Leakage Current, MIU
TLED40W-054-C0700-D	120 V, 60 Hz	0.1
	277 V, 60 Hz	0.3

10. Rated output loading for these products was achieved using electronic load. The temperature tests were performed at nominal 40 C ambient.

11. The main Isolation transformer employs a UL Recognized OBJY2 Class 130 (B) electrical insulation system.

12. The driver is intended for building in. The enclosure has no openings. Acceptability of the LED driver with respect to mounting, spacing, casualty, temperature and segregation is to be determined as part of the end device evaluation.

13. The driver is dimmable using a low voltage 0-10 V interface. This interface is a source, since the product provides the source of supply for the interface. The interface circuit has been evaluated for isolation from primary (input) and secondary (output) circuits with spacings based on the maximum rated branch supply, 277 Vac.

14. Based on maximum voltage restrictions for Class 2 circuits in the Canadian Electrical Code, the output cannot be user accessible in the end-use application