



# CONDITION OF ACCEPTABILITY

**Models:** T1M1UNVXXXX-40EXXX, T1A1UNVXXXX-40EXXX,  
 T1M1UNVXXXX-60FXXX, T1A1UNVXXXX-60FXXX, T1M1UNVXXXX-60GXXX,  
 T1A1UNVXXXX-60GXXX, T1M1UNVXXXX-60EXXX, T1A1UNVXXXX-60EXXX

**UL Condition of Acceptability - UL file # E342838, when installed in the end use equipment, the following are among the considerations to be made.**

1. Rated output loading for these products was achieved using electronic loads. The temperature tests were performed at nominal 40°C ambient.
2. These products utilize a UL Recognized OBJY2 Class B (130) electrical insulation system for 0-10V dimmer circuit transformer.
3. These products utilize a UL Recognized OBJY2 Class B (130) electrical insulation system for main transformer.
4. As part of temperature testing, the case temperature at Tc was monitored. During the normal temperature test of the end product, the temperature at Tc is to be monitored. The absolute value at TC cannot exceed the Tref max value (°C), noted in product characteristics table.

These products been evaluated for the following characteristics.

Model No. [x] applies to all models			Product is rated	Type HL (c)	Type TL (d)
T1M1UNVXXXX-40EXXX, T1A1UNVXXXX-40EXXX	Input type- <input checked="" type="checkbox"/> Branch Circuit (Mains) <input type="checkbox"/> Isolated Circuit <input type="checkbox"/> Class 2 (a) <input type="checkbox"/> LVLE (b1) <input type="checkbox"/> LED Class 2 (b2)	Output type- <input checked="" type="checkbox"/> CC <input type="checkbox"/> CV	<input checked="" type="checkbox"/> Dry <input checked="" type="checkbox"/> Damp <input type="checkbox"/> Wet	<input checked="" type="checkbox"/> Dry <input checked="" type="checkbox"/> Damp <input type="checkbox"/> Wet	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Tref max/ Measured Tref 88/63° C
T1M1UNVXXXX-60FXXX, T1A1UNVXXXX-60FXXX, T1M1UNVXXXX-60GXXX, T1A1UNVXXXX-60GXXX		Output is <input type="checkbox"/> Non-isolated <input type="checkbox"/> Isolated <input checked="" type="checkbox"/> Class 2 (a) <input type="checkbox"/> LVLE (b1) <input checked="" type="checkbox"/> LED Class 2 (b2)			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Tref max/ Measured Tref 88/70° C
T1M1UNVXXXX-60EXXX, T1A1UNVXXXX-60EXXX					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Tref max/ Measured Tref 85/66° C

a- As defined in  UL 8750, Clause 7.12.1  and CAN/CSA-C22.2 No. 250.13, Clause 8.12

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

5. These products are intended for building in. The enclosure for these products have 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.

6. For T1M1UNVXXXX-40EXXX, T1A1UNVXXXX-40EXXX, T1A1UNVXXXX-60EXXX and T1M1UNVXXXX-60EXXX, these products are provided with Connector for supply [X] and load connection. These connectors have not been evaluated for current interruption. These connectors are intended for use with 16-20 AWG solid or conductors and are suitable for Factory wiring only and is only suitable for solid lead, if used with stranded lead, then should be considered in end-product.

For T1M1UNVXXXX-60FXXX, T1A1UNVXXXX-60FXXX, T1M1UNVXXXX-60GXXX, T1A1UNVXXXX-60GXXX, these products are provided with push-in terminal blocks for supply and load connection and are suitable for Field wiring. These terminals are intended for use with 16-20 AWG solid copper conductors with 8.5~9.5 mm strip length.

7. These products are dimmable using a low voltage 0-10 V for models T1M1UNVXXXX-40EXXX, T1M1UNVXXXX-60FXXX, T1M1UNVXXXX-60GXXX, T1M1UNVXXXX-60EXXX, and DALI for models T1A1UNVXXXX-40EXXX, T1A1UNVXXXX-60FXXX, T1A1UNVXXXX-60GXXX, T1A1UNVXXXX-60EXXX proprietary interface.

- This interface is a sink, since the interface circuit operates from an external source of supply.
- The dimmer interface has been evaluated as Class 2 output.
- The interface circuit for 0-10 V has been evaluated for isolation from primary (input) and secondary (output) circuits with spacings based on the maximum rated branch supply, 277 Vac.
- The interface circuit for DALI has been evaluated for isolation from primary (input) circuits with spacings based on the maximum rated branch supply, 277 Vac.

The dimmer interfaces for models T1M1UNVXXXX-60FXXX, T1A1UNVXXXX-60FXXX, T1M1UNVXXXX-60GXXX, T1A1UNVXXXX-60GXXX, are provided with push-in terminals for connection. These terminals are intended for use with 22-16 AWG solid copper conductors with 8.5~9.5 mm strip length.

The dimmer interfaces for models T1M1UNVXXXX-40EXXX, T1A1UNVXXXX-40EXXX, T1M1UNVXXXX-60EXXX, T1A1UNVXXXX-60EXXX are provided with connector for connection.

8. Based on maximum voltage restrictions for Class 2 circuits in the Canadian Electrical Code, the output cannot be accessible.

This product has accessible output terminals.

The output terminals of the end product should be evaluated to confirm compliance with this accessibility requirement, either based on output terminal design or based on manufacturer specifications for its use in restricted access areas only. The latter option will require markings on the end product as well as the installation manual.

9. For models T1M1UNVXXXX-40EXXX, T1A1UNVXXXX-40EXXX, T1M1UNVXXXX-60EXXX, T1A1UNVXXXX-60EXXX,

The maximum leakage current was measured over the limits. These LED drivers are to be used in a remotely-mounted unit connected and grounded via a fixed supply connection or if the unit is intended to be an integral part of an end-product luminaire with a fixed supply connection and the end-product standard for the luminaire does not require a leakage current measurement when the supply connection is fixed.

10. The enclosure of the driver must be connected to earth ground when installed in the end-use application.