

Table 7.6 and CSA C22.2 No. 250.13-12, Clause 8.7.3, Table 5 with live parts to enclosure spacings evaluated per Table 6.

The descriptions of certain components in this Report contain the notation "CN". "CN" indicates that the component has been evaluated to Canadian requirements. Whenever "CN" appears, the Field Representative shall confirm that the component has a CSA Certification Mark or an equivalent identifier or a Canadian UL Listing or Recognition Mark if the product described in this Report bears the UL's Classification Mark for Canada.

Condition of Acceptability - When installed in the end use equipment, the following are among the considerations to be made:

1. The LED drivers have been evaluated using resistive load resulting in output currents, which are equal to each output rated current. The need for repeating tests related to heating and the Isolated Class 2 output shall be considered in the end product if the loads used result in the current exceeding the rated marked current.
2. The LED drivers have been tested at 50°C ambient, except Model AC130CD3.1APB06 have been tested at 40°C ambient. Acceptable operation at a higher temperature should be determined in end products.
3. The units are intended for factory installation only.
4. All models are intended for using in damp location, other uses shall be considered in the end products.
5. These LED drivers  
AC25CD1.25AP2L, AC25CD1.25APBME, AC-25CD700ATM, AC25CD1.25APBUM,  
AC25CD1.25APUM, AC25CD1.25APUN, AC-25CD700AUZ, AC-3CD120AWH, AC-5CD220AWK,  
AC-13CD350ABRW, AC25CD1.25APTME, AC25CD1.25APTMV, AC-25CD700ATUZ,  
AC25CE1.25APBME, AC9CD700APX6, AC40CD1.4AP2L, AC-40CD1.4APBKV,  
AC-40CD1.4APMZ, AC-40CD1.4APSC, AC-40CD1.4APTKV, AC-40CD1.4APTMZ,  
AC-40CE1.4APKV, AC40CD1.05APU3, AC18CD1.4APX7, AC25CD1.4APY6,  
AC-25CD1.25BPME, AC25CD1.25BPBME, AC-25CD1.25BPMV, AC25CD1.25BPBMV,  
AC25CE1.25BPBME, AC25CD1.25BPBZ1, AC-40CD1.4BPKV, AC-40CD1.4BPBKV,  
AC-40CD1.4BPBMZ, AC-40CD1.4BPMZ, AC40CD1.05BPU3, AC40CD1.05BPB0M,  
AC60CD1.4AP3D, AC-40CE1.4APSC, AC50CD1.4APQ6, AC-98CD2.1APMX,  
AC-98CD2.1APBMX, AC-98CD2.1APMY, AC-98CD2.1APTMX, AC-98CD2.1APEJ7,  
AC-98CE2.1APK5, **AC-80CD2.1APVQ**, AC98CD2.1AP0W, AC98CD2.1APB1M,  
AC98CD2.1APU2, AC30CD1.25APTUP, AC-50CD1.4APTUQ, AC-50CE1.4APUQ,  
AC-50CD1.4BPTC6, AC-30CE1.25APUP, AC-30C1.25APNY, AC30CD700AP0Q,  
AC50CD1.4APE1L, AC-50CD1.4APBNZ, AC-50CD1.4APTNZ, AC50CD1.4APBTNZ,  
AC-50CE1.4APC7, AC-50CE1.4APNZ, AC-50CE1.4APP1, AC-50CE1.4APBNZ,  
AC50C1.4APR3, AC30CD1.25BPBY0, AC-50CD1.4BPBZS, AC75CD2.0APS9,  
AC-80CD2.1AJTL, AC-98CD2.75APUR, AC85CD2.6APX0, are provided with Class 2  
output complies with UL 1310 and CSA C22.2, No.223.
6. These LED drivers are provided with isolated output.
7. The suitability of enclosure shall be determined in the end-use product and comply with the enclosure, mounting, spacing, casualty, and segregation requirements of the end product application.
8. The grounding wires are to be used for bonding in the end product only (not for supply ground connection).

9. The following models were evaluated per the Temperature Limited (Type TL) requirements per Supplement SB of UL8750 and the measured Tref max temperature associated with the measured Tc and Ta values are as follows:

Model	Measured Tref Value (°C)	Tref max Value (°C)
AC9CD700APX6 AC25CD1.25AP2L AC25CD1.25APBME AC-25CD700ATM AC25CD1.25APBUM AC25CD1.25APUM AC25CD1.25APUN AC-25CD700AUZ AC-3CD120AWH AC-5CD220AWK AC-13CD350ABRW AC25CD1.25APTME AC25CD1.25APTVM AC-25CD700ATUZ AC25CE1.25APBME AC40CD1.05APU3 AC18CD1.4APX7 AC25CD1.4APY6 AC40CD1.4AP2L AC-40CD1.4APBKV AC-40CD1.4APMZ AC-40CD1.4APSC AC-40CD1.4APTKV AC-40CD1.4APTMZ AC-40CE1.4APKV	58.2	90
AC25CD1.25BPBZ1 AC-25CD1.25BPM AC25CD1.25BPBME AC-25CD1.25BPMV AC25CD1.25BPBMV AC25CE1.25BPBME AC40CD1.05BPB0M AC-40CD1.4BPKV AC-40CD1.4BPBKV AC-40CD1.4BPBMZ AC-40CD1.4BPMZ AC40CD1.05BPU3	48.5	90
AC60CD1.4AP3D AC-40CE1.4APSC AC50CD1.4APQ6	53.0	90
AC-98CD2.1APMX AC-98CD2.1APBMX AC-98CD2.1APMY AC-98CD2.1APTXX AC-98CD2.1APEJ7 AC-98CE2.1APK5 <b>AC-80CD2.1APVQ</b> AC98CD2.1AP0W AC98CD2.1APB1M AC98CD2.1APU2	55.4	90

AC30CD1.25APTUP AC-50CD1.4APTUQ AC-50CE1.4APUQ	59.1	90
AC-50CD1.4BPTC6	59.5	90
AC-80CD2.1AJTL AC75CD2.0APS9 AC-98CD2.75APUR AC85CD2.6APX0	59.4	90
AC-30CE1.25APUP AC-30C1.25APNY AC30CD700AP0Q AC-50CD1.4APTNZ AC-50CD1.4APC7 AC-50CD1.4APENZ AC-50CD1.4APNZ AC-50CD1.4APP1	61.7	90

10. All units utilize a Class F insulation system for the isolation transformer (T2).

The maximum recorded temperatures for Model AC-40CD1.4APA6  
AC-40CD1.4APKV  
AC40CD1.4AP2D

(represents Model AC-25CD1.25APA5 AC-25CD1.25APMV  
AC-25CD1.25APUM  
AC15CD700AP1E  
AC-25CD500ADP4  
AC-25CD1.25APME) were as follows when tested at an ambient of 50°C.

Transformer T2 Coil: 102.0°C  
Tc Point on Case above T1: 68.2°C

The maximum recorded temperatures for Model AC-40CD1.4API7, AC-50CD1.4APUQ,  
AC-60CD1.4APPU, AC-60CD1.4APTPU

were as follows when tested at an ambient of 40°C.

Transformer T2 Coil: 71.7°C  
Tc Point on Case above T2: 66.4°C

The maximum recorded temperatures for Model AC-30CD1.25APUP  
were as follows when tested at an ambient of 50°C.

Transformer T2 Coil: 83.5°C  
Tc Point on Case above T2: 59.1°C

The maximum recorded temperatures for Model AC-50CD1.4APTNZ

AC-50CD1.4APC7, AC-50CD1.4APENZ, AC-50CD1.4APNZ, AC-50CD1.4APP1 (represents AC-30CD1.25APNY, AC-30CD700APXL, AC30CD1.05AP0Z, AC30CD1.25APW0, and AC30CD700AP0Q) were as follows when tested at an ambient of 50°C.

Transformer T2 Coil: 88.5°C  
Tc Point on Case above T2: 61.7°C

11. These products were tested while connected to a 20A branch circuit.
12. The Leakage current test was only conducted between exposed conductive surface and the grounded pole of the supply circuit.
13. The enclosure is required to be grounded in the end-use application.
14. The temperatures on the input (CON1) and output (CON2) connectors shall not exceed 105°C respectively for Models AC30CD1.25APTUP, AC-50CD1.4APTUQ, AC-50CE1.4APUQ, AC-50CD1.4BPTC6
15. The temperatures on the input (J1) and output (JP2) connectors shall not exceed 105°C respectively for Models AC-80CD2.1AJTL, AC75CD2.0APS9, AC85CD2.6APX0, AC-98CD2.75APUR,
16. Models

AC25CD1.25APBME, AC25CD700ATM, AC25CD1.25APBUM, AC25CD1.25APUM, AC25CD1.25APUN, AC-25CD700AUZ, AC-3CD120AWH, AC-5CD220AWK, AC3CD350ABRW, AC25CD1.25APTME, AC25CD1.25APTMV, AC700ATUZ, AC25CE1.25APBME, AC40CD1.05APU3, AC18CD1.4APX7, AC25CD1.4APY6, AC40CD1.4AP2L, AC-40CD1.4APBKV, AC-40CD1.4APMZ, AC-40CD1.4APSC, AC-40CD1.4APTKV, AC-40CD1.4APTMZ, AC-40CE1.4APKV, AC25CD1.25BPBZ1, AC-25CD1.25BPM, AC25CD1.25BPBME, AC-25CD1.25BPMV, AC25CD1.25BPBMV, AC25CE1.25BPBME, AC40CD1.05BPB0M, AC-40CD1.4BPBKV, AC-40CD1.4BPBKV, AC-40CD1.4BPBMZ, AC-40CD1.4BPMZ, AC40CD1.05BPU3, AC60CD1.4AP3D, AC-40CE1.4APSC, AC50CD1.4APQ6, **AC-80CD2.1APVQ**, AC98CD2.1AP0W, AC98CD2.1APB1M, AC98CD2.1APU2, AC-98CD2.1APMX, AC-98CD2.1APBMX, AC-98CD2.1APMY, AC-98CD2.1APTMX, AC-98CD2.1APEJ7, AC-98CE2.1APK5, AC30CD1.25APTUP, AC-50CD1.4APTUQ, AC-50CE1.4APUQ, AC-50CD1.4BPTC6 AC-30CE1.25APUP, AC-40C1.25APNY, AC30CD700AP0Q, AC-50CD1.4APTNZ, AC-50CD1.4APC7, AC-50CD1.4APENZ, AC-50CD1.4APNZ, AC-50CD1.4APP1, AC-50CD1.4BPBZS, AC-80CD2.1AJTL, AC75CD2.0APS9

had a measured maximum output more than 42.4 Vdc but less than 60 Vdc on no load condition. See tabulation for details. These outputs comply with the definition of Class 2 per the Canadian Electrical Code. These outputs cannot be accessible based on maximum voltage restrictions for Class 2 circuits in the Canadian Electrical Code. These products have accessible output terminals. The output terminals of the end products should be evaluated to confirm compliance with this accessibility requirement, either based on output terminal design or based on manufacturer specifications for their use in restricted access areas only.

Model	Maximum measured output voltage, Vdc
AC9CD700APX6 AC25CD1.25AP2L AC25CD1.25APBME AC-25CD700ATM AC25CD1.25APBUM AC25CD1.25APUM AC25CD1.25APUN AC-25CD700AUZ AC-3CD120AWH AC-5CD220AWK AC-13CD350ABRW AC25CD1.25APTME AC25CD1.25APTMOV AC-25CD700ATUZ AC25CE1.25APBME	56.0
AC40CD1.05APU3 AC18CD1.4APX7 AC25CD1.4APY6 AC40CD1.4AP2L AC-40CD1.4APBKV AC-40CD1.4APMZ AC-40CD1.4APSC AC-40CD1.4APTKV AC-40CD1.4APTMZ AC-40CE1.4APKV	56.7
AC25CD1.25BFBZ1 AC-25CD1.25BFBM AC25CD1.25BFBME AC-25CD1.25BFBMV AC25CD1.25BFBMV AC25CE1.25BFBME	55.5
AC40CD1.05BFBOM AC-40CD1.4BPKV AC-40CD1.4BFBKV AC-40CD1.4BFBMZ AC-40CD1.4BFBMZ AC40CD1.05BPU3	55.6
AC60CD1.4AP3D AC-40CE1.4APSC AC50CD1.4APQ6	59.0
AC-98CD2.1APMX AC-98CD2.1APBMX AC-98CD2.1APMY AC-98CD2.1APTMX AC-98CD2.1APEJ7 AC-98CE2.1APK5 <b>AC-80CD2.1APVQ</b> AC98CD2.1AP0W AC98CD2.1APB1M AC98CD2.1APU2	58.0
AC30CD1.25APTUP	55.2
AC-50CD1.4APTUQ AC-50CE1.4APUQ	55.0
AC-50CD1.4BPTC6	55.1
AC-80CD2.1AJTL AC75CD2.0APS9	55.6
AC-30CE1.25APUP	55.5

AC-30C1.25APNY AC30CD700AP0Q	
AC-50CD1.4APTNZ AC-50CD1.4APC7 AC-50CD1.4APENZ AC-50CD1.4APNZ AC-50CD1.4APP1	54.1
AC30CD1.25BPBY0	55.2
AC-50CD1.4BPBZS	54.6