

BALLABS REPORT NO. : 20933.0 I
DATE: 08/22/19
PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
DESCRIPTION: 2-28LED 22"ARRAY 2x4' RETROFIT KIT w/WHITE REFL & RIBBED
FROST CENTER LENS - LITHONIA 2GT833212MVOLT TEST HOUSING
ADVANCE #CI031C068V045CNN2 @ 270mA
CATALOG NO.: PTR-24-L38/835-RA-DIM-PH-UNV
LED : 10560202 HLM2228_5630 REV B
LM80 Test Ref: SAMSUNG #SLED-17-014-R01

IN-SITU TEMPERATURE MEASUREMENT

Tested in Accordance with Standard UL1598-2008

ELECTRICAL CHARACTERISTICS

| | VOLT | AMPS | WATTS | PF | THDv | THDi |
|----------------|--------|-------|--------|-------|-------|--------|
| INPUT LINE: | 120.01 | .2711 | 32.372 | .9949 | .1654 | 9.8958 |
| DRIVER 1 LOAD: | 41.518 | .6873 | 28.456 | 1.000 | | |

TEMPERATURES:

(DEGREES C)

| | | |
|------|---|------|
| TC#1 | ROOM AMBIENT | 25.0 |
| TC#2 | LED DRIVER #1 TMP _{ps} | 43.5 |
| TC#3 | LED1 ARRAY #1 LED#D21 Closest to Driver Hotspot | 44.0 |
| TC#4 | LED2 ARRAY #1 LED#D14 | 39.5 |
| TC#5 | LED2 ARRAY #2 LED#D14 | 38.9 |

Location of led array & driver thermocouples determined per LM80 data & manufacturer's specifications. All thermocouples attached per UL1598. Temperatures are offset to 25 deg C ambient as described in UL1598.



NVLAP LAB Code 20921-0

THIS BALLABS REPORT WITH THE USE OF THE NVLAP LOGO SHALL NOT BE USED BY THIS CLIENT TO CLAIM PRODUCT CERTIFICATION, APPROVAL, OR ENDORSEMENT BY NVLAP, NIST, OR ANY AGENCY OF THE FEDERAL GOVERNMENT.

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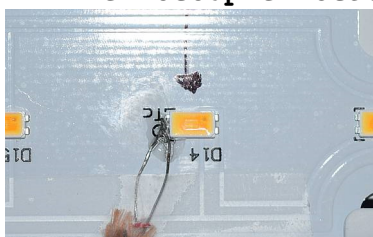
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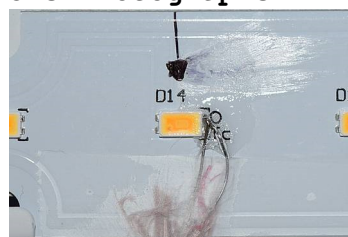
LED Thermocouple Locations Photographs



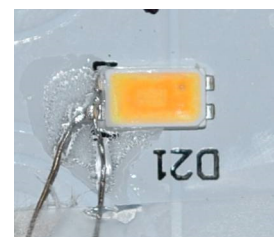
TC#3



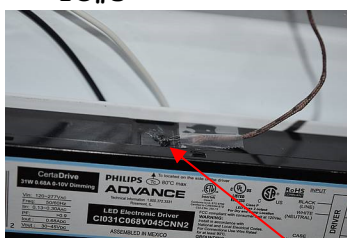
TC#4



TC#5



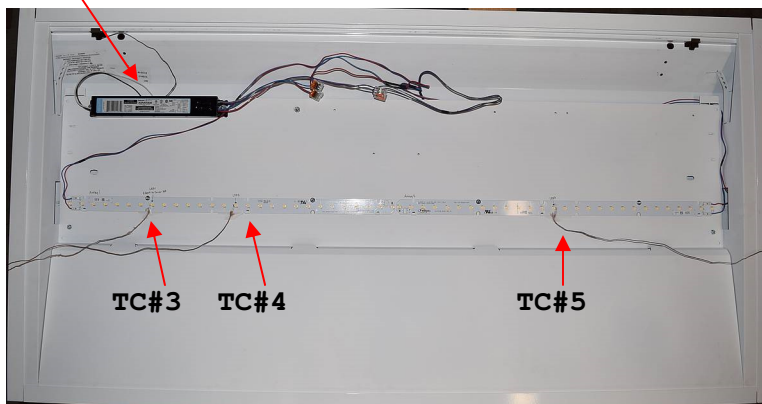
Typical LED Tc Loc



Driver TMP_{ps}
On Side of Driver

Driver Compartment under Side Reflector
Side Reflector removed to show Driver Location

Btm View
TC Locations
& Driver
Compartment



Btm View
Lens

