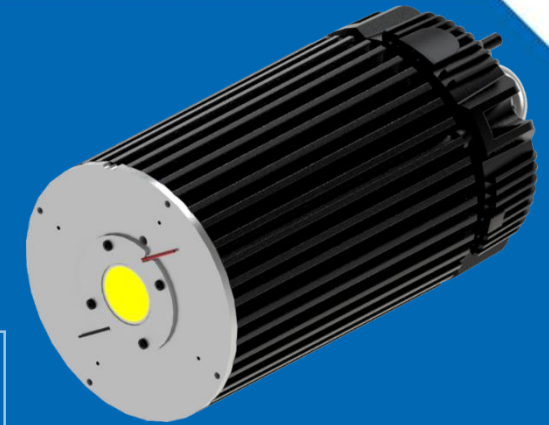


Thermal Test Report



CoolBay® Tera Wide-01 + Citizen CLU058-1825C4-403M2K1

- Measurement of the temperature rise and case temperature of Citizen CLU048-1818C4-403M2K1 emitters with Bender+Wirth CoolConnect® holder COB 38x38.
- Under various driving currents 4000mA.



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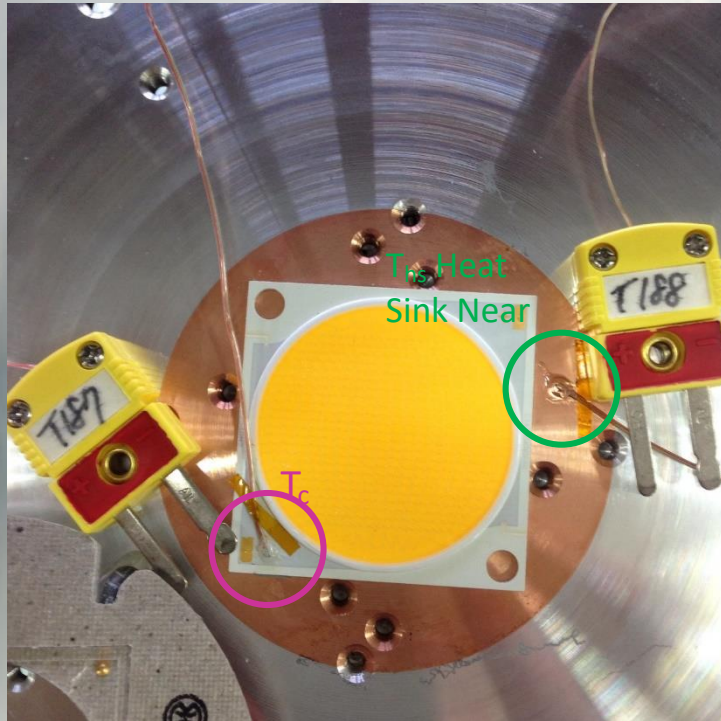
MechaTronix

www.led-heatsink.com

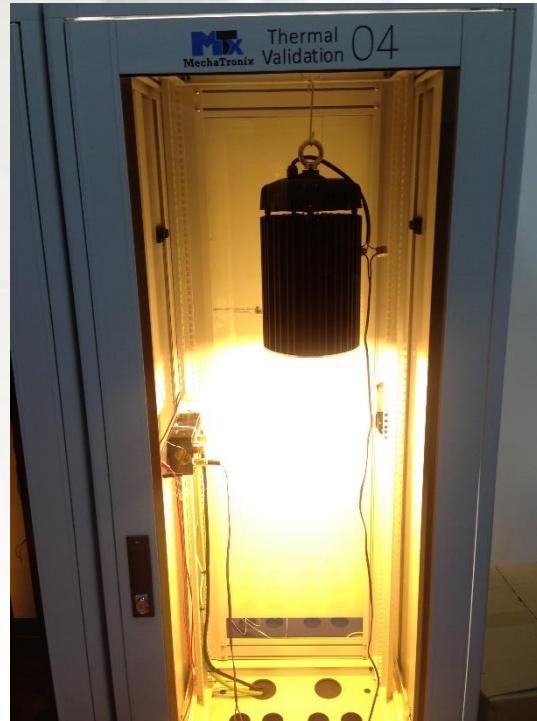
Tel: +886-7-381-5892 | Fax: +886-7-383-9293

No.818, Dashun 2nd Rd., Sanmin Dist., Kaohsiung City 80787, Taiwan

• Test Setup



Locations of T_c and T_{hs} Heat Sink Near

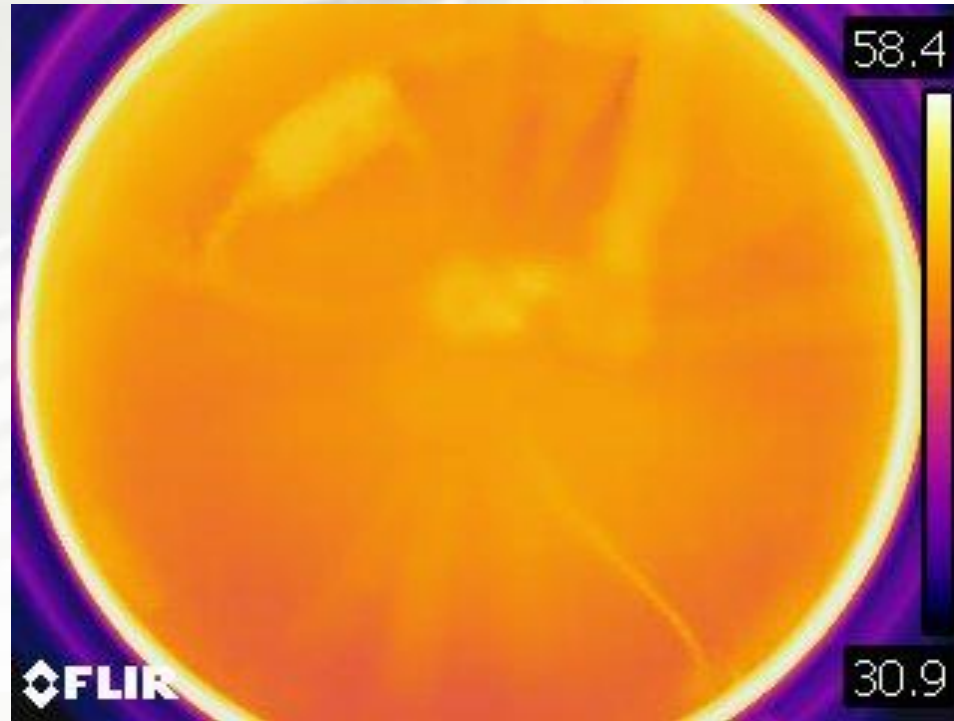


Test Set-up

- Heat sink:
CoolBay® Tera-B
- LED package:
Citizen CLU058-1825C4-403M2K1
- LED driver:
Mean Well HBG-240-60&HBG driver ring-02(M12)
- Connector set:
HBG-240 connector set
- LED holder:
Bender+Wirth CoolConnect® holder COB 38x38
- LED lens:
CoolBay Lens 120° Clear
- Thermal pad:
PSX-D
- If (mA):
4000

• IR Images

Photo by Infrared Camera
Model: FLIR-T62101



If: 4000mA

Results Table

If (mA)	Stablization Time (Sec)	T _c (°C)	T _{hs} (°C)	T _{ambient} (°C)	ΔT_{hs-amb} heat sink rise temperature (°C)
4000	27640	70.14	67.31	27.71	42.43

Temperature Rise Curves

