

# Laboratory Service PHYSICAL TEST REPORT



**R-Tech**  
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Member of Schröder Group

**Subject:** SKIDO 6 led's

Sample n°: P-E15365

**Test purpose:** Thermal test evaluation @ 1.05A and 700mA following IEC/EN 60598-1 Std

**Remarks:**

Test request n°: P-D15544

Folder n°: P-F14083

## **TEST CONDITIONS:**

**Operator:** CLOSSET Frédéric

**Load:** 6 led's

**Driver:** Test 1A: Mean Well PLD-25-1050

Test 700mA: Mean Well PLD-16-700

Tc 70 °C

## **Measurement device:**

Yokogawa TX10: thermal measurement

Yokogawa WT 210: primary EM

Fluke 87: secondary and led's EM

## **Junction Temperature measurement method**

Junction temperature measurement by base temperature measurement and electrical measurement.

$$T^{\circ}_j = T^{\circ}_b + R_{jb} \times P_{led}$$

## **CONCLUSIONS:**

**@ 1.05A:** Ta (IEC): 35 °C  
Tq (IEC): 25 °C

**@ 700 mA:** Ta (CEI): 50 °C  
Tq (CEI): 40 °C

Tq given for driver full load

T° given without wind effect to comply with IEC 62722-2-1

Duplicate to: Mr M. Thijs

LAB 01/07/2015

L. Maghe

**//P-15CR544**

A handwritten signature in blue ink, appearing to read "L. Maghe".