

LED Flux measurement

FORM-L-41 ED1 REV 2

Date : **16-01-19**

Operator : **FCE**

Filename : **2019_52.xml**



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NBN EN ISO/IEC 17025 : 2005

LEDs

Trademark : **Samsung**

Entry number : **39R004-2**

Type : **LH351C**

Power (Catalogue) : **0,00** W

BIN Description : **40-70M-4-TB-RB**

Flux : **0** lm/LED

Part number : **Unknown**

Color or CCT (Theoretical) : **NW**

Number of LEDs : **6**

Lenses

Trademark : **None**

Type : **None**

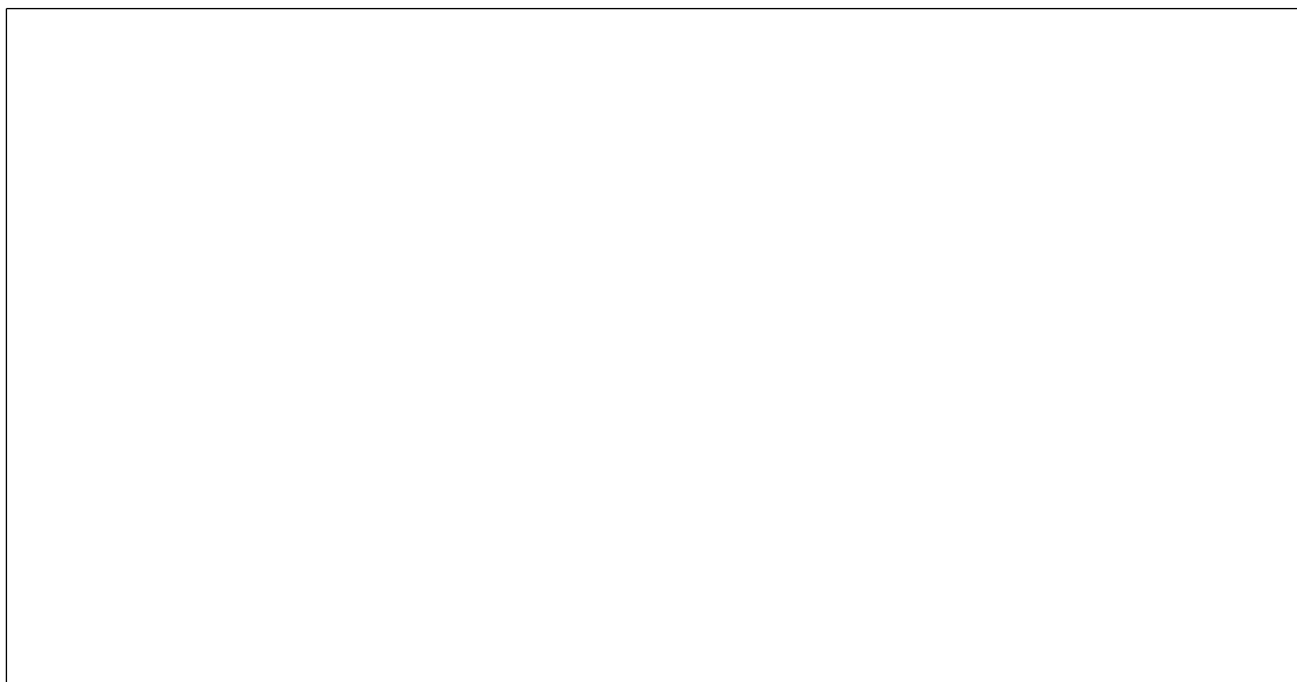
Power & Print

Type : **DELTA SM400-AR-4**

Print description : **00-71-626 A - Voltana 0**

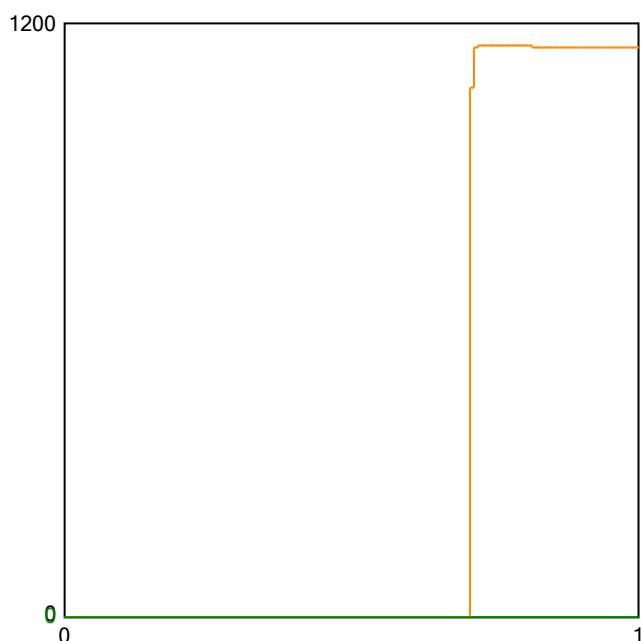
Active ☐

Picture



Sphere photometric measurement

Maximum flux : **1157** lumens



Operating condition

Position in sphere :



Ambient sphere T ° : **24,6**

Electrical measurement

● Secondary electrical measurement

Voltage : **16,93** V

Current : **0,350** A

Power : **5,92** Watt

→ LEDs light efficiency at 25° :

195,4 lm/W

192,9 lm/Led

● Primary electrical measurement

Voltage : **N/A** V

Current : **N/A** A

Power : **N/A** Watt

Cos φ : **N/A**

→ Driver losses : **N/A** %

→ LEDS & Driver light efficiency :

N/A lm/W

Description :

Flux @25°/350mA - pcb Voltana 0 - 6 Samsung LH351C - pcb N°2

Comment :

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Approved by :

LED 2019/52 2/3

Colorimetry

Preset: CRI

File Preset Options Extra Calibration Info

KIT11W1 S/N: 980059

Auto:
ref. illuminant -
Planckian radiator
CCT= 3859 K

Spectral Radiance (Polarized) | 400 nm | 700 nm

Auto: ref. illuminant - Planckian radiator, CCT= 3859 K

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
68.5	80.3	90.4	70.7	69.3	72.9	78.7	47.1	39.4	54.8	67.4	48.9	70.7	94.8	60.2

Chromaticity difference DC= 6.2E-4

CRI color samples

JIS color sample

Ra= 72.26 (mean value of R1 - R8)

Re= 62.37 (mean value of R1 - R15)

Transfer data to table

Luminance L_v 1.898E+2 cd/m²

Radiance (color/750nm) L_e 5.383E-1 W/m²

Corr. Color Temp CCT 3859 K

Chromaticity x 0.3864 y 0.3793

Chromaticity u' 0.2280 v' 0.5036

Average #1 Cont. 50 s Hold integration Time Quick mode

Calibration File: #1 no accessory

Measurement Mode: Radiance

Weighting Function: None

Target

Measurement

QUT