

LED Flux measurement

FORM-L-41 ED1 REV 2

Date : **16-01-19**

Operator : **FCE**

Filename : **2019_58.xml**



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NBN EN ISO/IEC 17025 : 2005

LEDs

Trademark : **Samsung**

Entry number : **39R005-2**

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 : **8**

Lenses

Trademark : **None**

Type : **None**

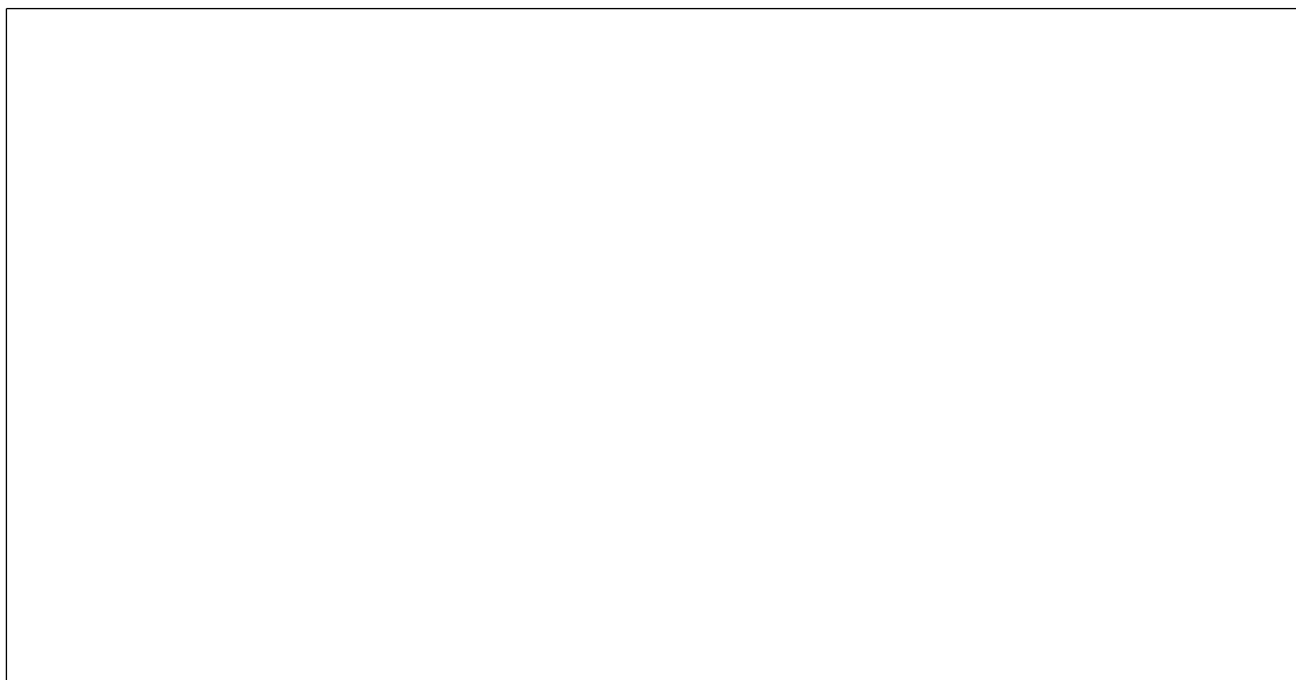
Power & Print

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

Print description : **00-71-636 A - Voltana 1**

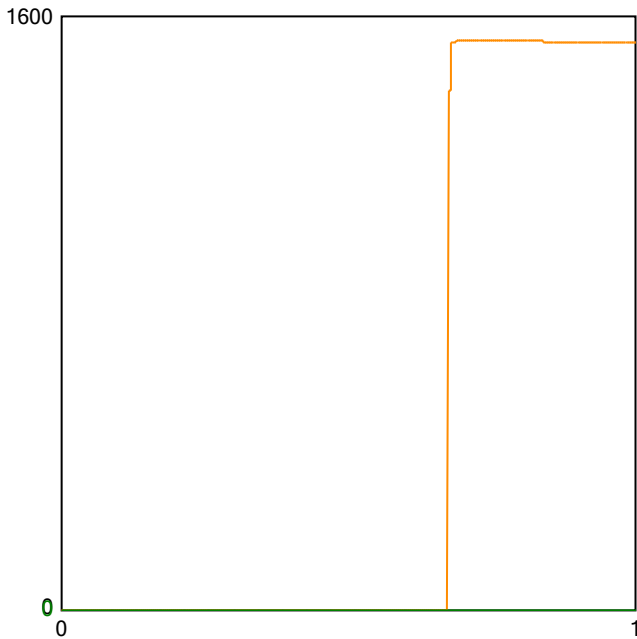
Active

Picture



Sphere photometric measurement

Maximum flux : **1538** lumens



Operating condition

Position in sphere :



Ambient sphere T ° : **24,3**

Electrical measurement

● Secondary electrical measurement

Voltage : **22,37** V

Current : **0,350** A

Power : **7,82** Watt

→ LEDs light efficiency at 25° :

196,6 lm/W

192,2 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 1 - 8 Samsung LH351C - pcb N°2

Comment :

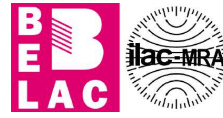
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Approved by :

LED 2019/58 2/3



Colorimetry

File Preset Options Extra Calibration Info

Preset: CRI

Auto: ref: illuminant - Planckian radiator, CCT= 3841 K

Auto: ref: illuminant - Planckian radiator, CCT= 3841 K

Sample	Delta E
1	48
2	80
3	71
4	69
5	73
6	79
7	47
8	54
9	07
10	70
11	95
12	60
13	60
14	60
15	60

Auto: ref: illuminant - Planckian radiator, CCT= 3841 K

Chromaticity difference DC= 6.0E-4

Color Sample	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	Mean
CRI color samples	68.3	80.1	90.3	70.6	69.1	72.7	78.6	46.9	39.9	54.3	67.4	48.8	70.4	94.7	59.9	72.07
JIS color sample																62.15

Auto: ref: illuminant - Planckian radiator, CCT= 3841 K

Luminance $L_v = 2.515E+2 \frac{cd}{m^2}$

Radiance $L_e = 7.129E-1 \frac{W}{m^2 \cdot sr}$

Corr. Color Temp CCT 3841 K

Chromaticity $x = 0.3873$ $y = 0.3799$

Chromaticity $u' = 0.2284$ $v' = 0.5040$

Transfer data to table auto

Calibration File: #1 no accessory

Measurement Mode: Radiance

Weighting Function: None

Average: 1

Cont: 10

Hold Integration Time: 5

Quick mode

Measurement

#1

QUIT