

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**

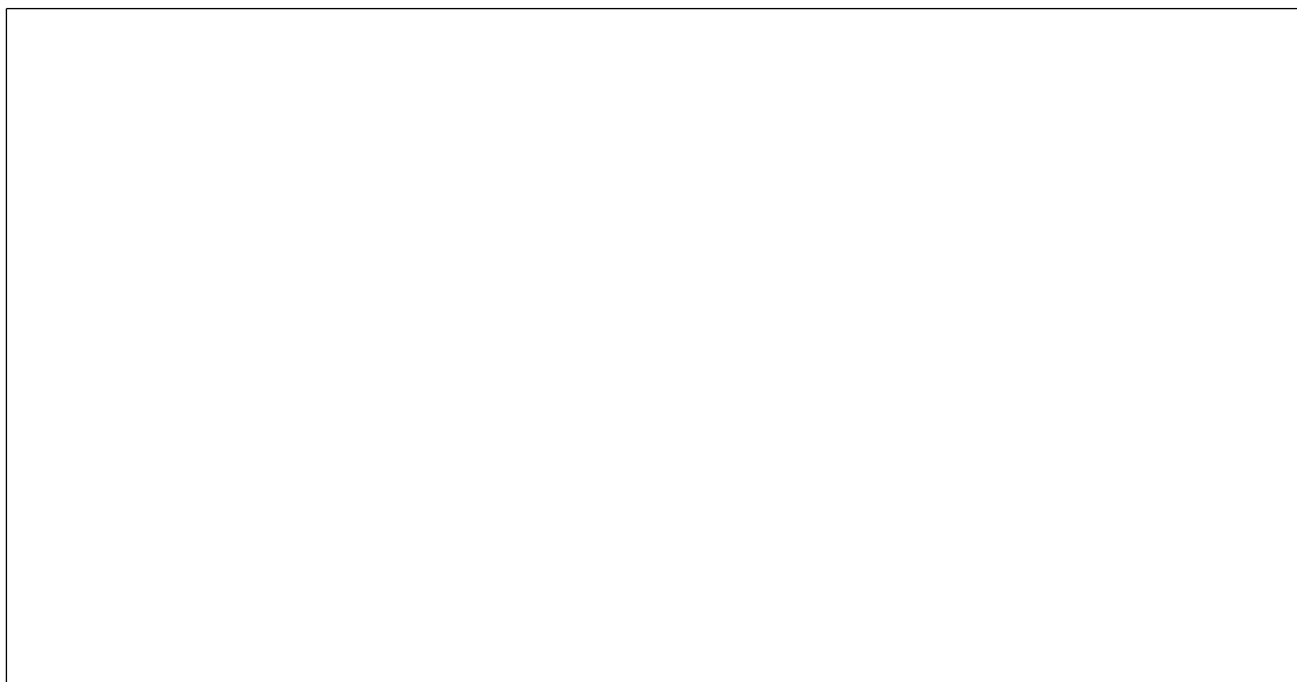
Power & Print

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

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

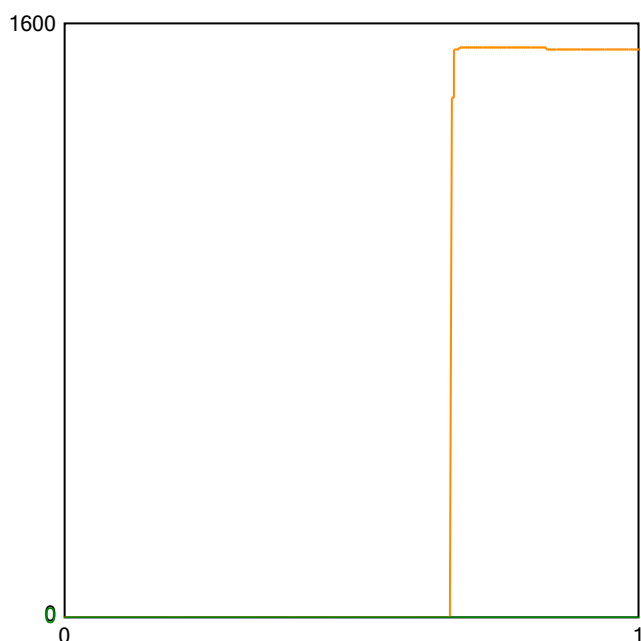
Active ☐

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

Preset: CRI

Auto ref illuminant - Planckian radiator, CCT = 3841 K

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Sample	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
1	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

Chromaticity difference DC = 6.0E-4

CRI color samples

JIS color sample

Average #1 Cont. 50 Hold integration Time Quick mode

Measurement

Calibration File: #1 no accessory Weighting Function: None

Measurement Mode: Radiance

Luminance L_v 2.515E+2 cd/m²

Radiance (500-750nm) L_e 7.129E-1 W/m²

Corr. Color Temp CCT 3841 K

Chromaticity x 0.3873 y 0.3799

Chromaticity u' 0.2284 v' 0.5040

Re = 62.15 (mean value of R1 - R15)

Transfer data to table auto

QUIT