

LED Flux measurement

Date : **26/07/2022**

Operator : **CLD**

FORM-L-41 ED1 REV 4

Filename : **2022_540.xml**



226-TEST

NBN EN ISO/IEC 17025 :2017

LEDs

Trademark : **Seoul**

Entry number : **42R218-1**

Type : **5050**

BIN Description : **LVL2 F35**

Part number : **Unknown**

Color or CCT (Theoretical) : **Neutral White**

Number of LEDs : **24**

Lenses

Trademark : **None**

Type : **None**

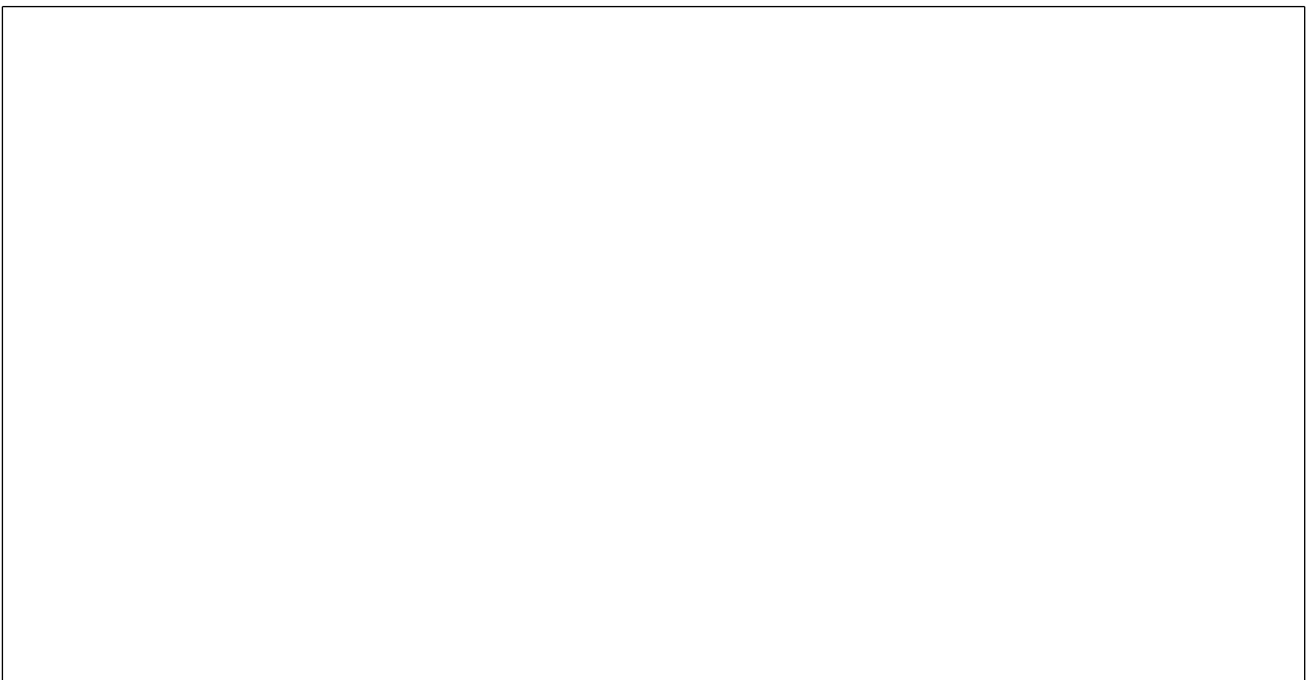
Power & Print

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

Print description : **Lensoflex 50 pcba with 3 string in //**

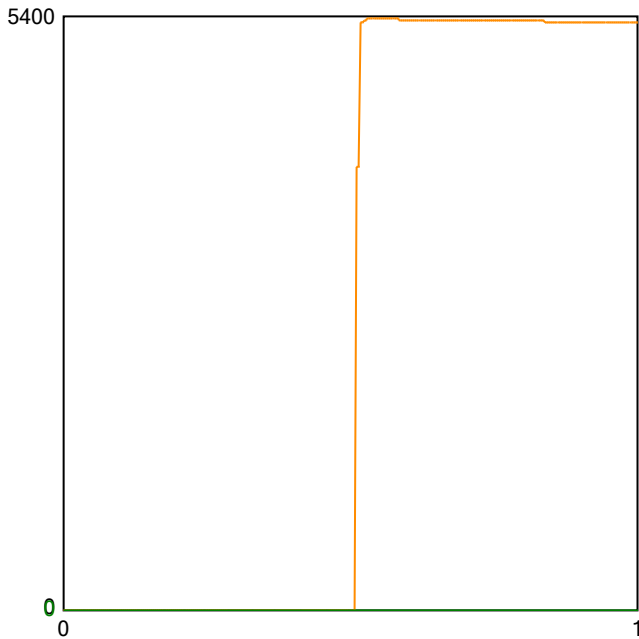
Active

Picture



Sphere photometric measurement

Maximum flux : **5383** lm



Operating condition

Position in sphere :



Ambient sphere T : **24.9** °C

Electrical measurement

● Secondary electrical measurement

Voltage : **44.29** V

Current : **0.600** A

Power : **26.57** W

→ LEDs light efficiency :

202.6 lm/W

224.3 lm/Led

● Primary electrical measurement

Voltage : **N/A** V

Current : **N/A** A

Power : **N/A** W

Cos φ : **N/A**

→ Driver losses : **N/A** %

→ LEDS & Driver light efficiency :

N/A lm/W

Description :

Mesure @25°C/600mA

Comment :

FORM-L-41 ED1 REV 4

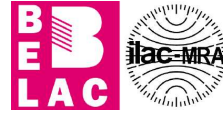


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Approved by : RLABO

LED 2022/540 2/3



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Colorimetry

Auto: ref: illuminant - Planckian radiator CCT= 3853 K

File Preset Options Extra Calibration: #1 no accessory Apr'22 Correction Info

Preset: CRI

Auto: ref: illuminant - Planckian radiator, CCT= 3853 K

R	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Value	69	84	90	69	68	72	80	48	53	63	71	94	39	71

Auto: ref: illuminant - Planckian radiator, CCT= 3853 K

Chromaticity difference DC= 1.6E-3

CRI color samples

R1=68.4	R8=48.3
R2=80.6	R9=-36.4
R3=89.6	R10=53.3
R4=68.7	R11=63.2
R5=67.6	R12=38.7
R6=71.7	R13=70.9
R7=80.4	R14=94.1

Ra= 71.91 (mean value of R1 - R8)
Re= 61.37 (mean value of R1 - R14)

Weighting Function: None

MEASUREMENT (Radiance) Average 1

Target

Cont. (Interval 0 s)
Hold Integration Time
Quick mode

#1

to Table auto to Ref. to PDF

Luminance L_v 9.671E+2 $\frac{cd}{m^2}$
Radiance (380-780nm) L_g 2.713E+0 $\frac{W}{sr \cdot m^2}$
Corr. Color Temp CCT 3853 K

Chromaticity x 0.3884 y 0.3850
Chromaticity u' 0.2270 v' 0.5063

Quit