

LED Flux measurement

Date : **26/07/2022**

Operator : **CLD**

FORM-L-41 ED1 REV 4

Filename : **2022_550.xml**



226-TEST

NBN EN ISO/IEC 17025 :2017

LEDs

Trademark : **Seoul**

Entry number : **42R219-1**

Type : **5050**

BIN Description : **LVL2 I03**

Part number : **Unknown**

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

Number of LEDs : **36**

Lenses

Trademark : **None**

Type : **None**

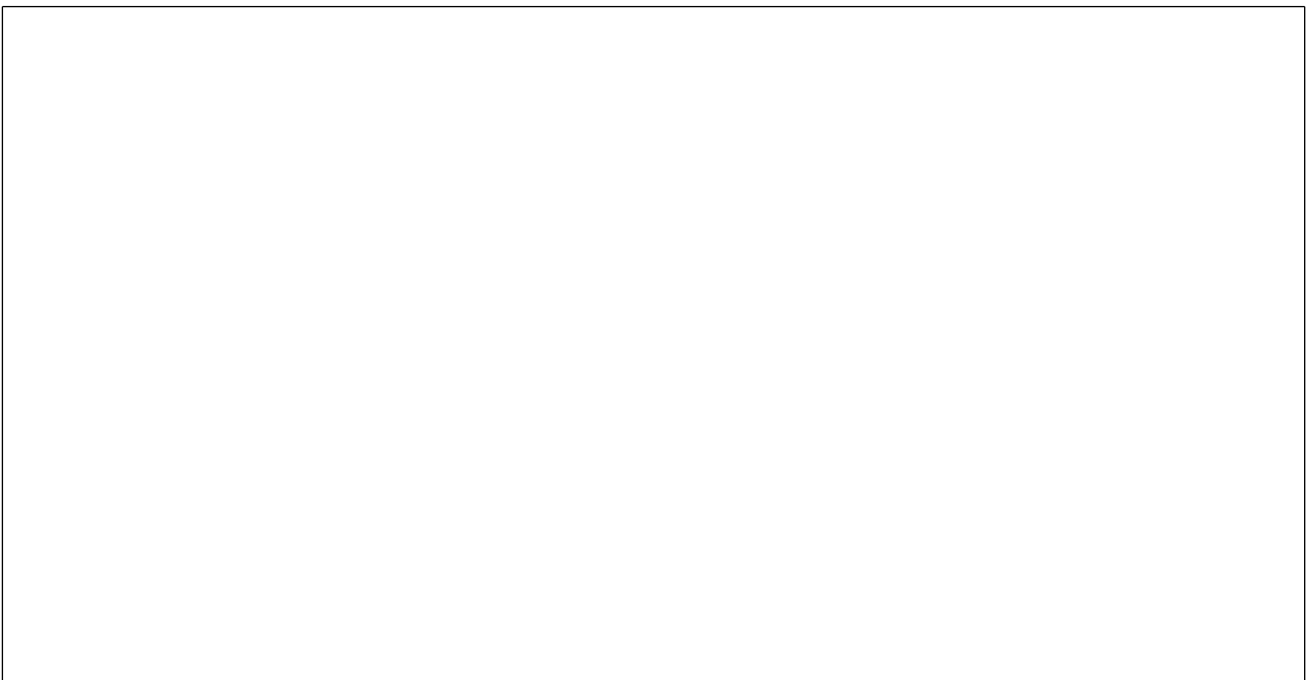
Power & Print

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

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

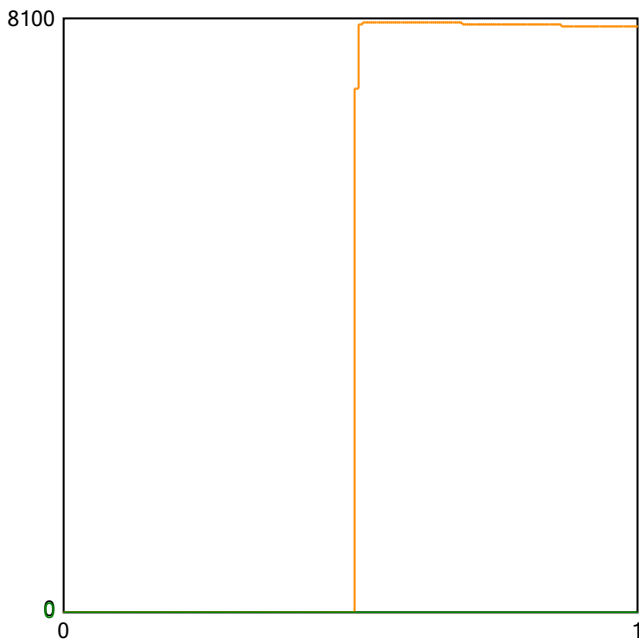
Active

Picture



Sphere photometric measurement

Maximum flux : **8070** lm



Operating condition

Position in sphere :



Ambient sphere T : **24.8** °C

Electrical measurement

● Secondary electrical measurement

Voltage : **66.32** V

Current : **0.600** A

Power : **39.79** W

→ LEDs light efficiency :

202.8 lm/W

224.2 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 @35°C/600mA

Comment :

FORM-L-41 ED1 REV 4



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Colorimetry

Auto: ref: illuminant - Planckian radiator CCT= 3863 K

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

Presets: CRI

Auto: ref: illuminant - Planckian radiator, CCT= 3863 K

Chromaticity difference DC= 1.5E-3

Color	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
1	68.4	80.6	89.6	68.7	67.7	71.7	80.4	48.4	-36.2	53.4	63.2	38.7	70.9	94.1

Re = 71.94 (mean value of R1 - R8)
Re = 61.40 (mean value of R1 - R14)

Auto: ref: illuminant - Planckian radiator, CCT= 3863 K

MEASUREMENT (Radiance) Average 1

Weighting Function: None

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

#5 #6 #7 #8 #9 #10 #11

to Table auto to Ref. to PDF

Luminance L_v 1.488E+3 $\frac{cd}{m^2}$
 Radiance (380-780nm) L_g 4.178E+0 $\frac{W}{sr \cdot m^2}$
 Corr. Color Temp CCT 3864 K
 Chromaticity x 0.3878 y 0.3844
 Chromaticity u' 0.2269 v' 0.5060

Quit

LED Flux measurement

Date : **26/07/2022**

Operator : **CLD**

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Filename : **2022_551.xml**



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LEDs

Trademark : **Seoul**

Entry number : **42R219-2**

Type : **5050**

BIN Description : **LVL2 I03**

Part number : **Unknown**

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

Number of LEDs : **36**

Lenses

Trademark : **None**

Type : **None**

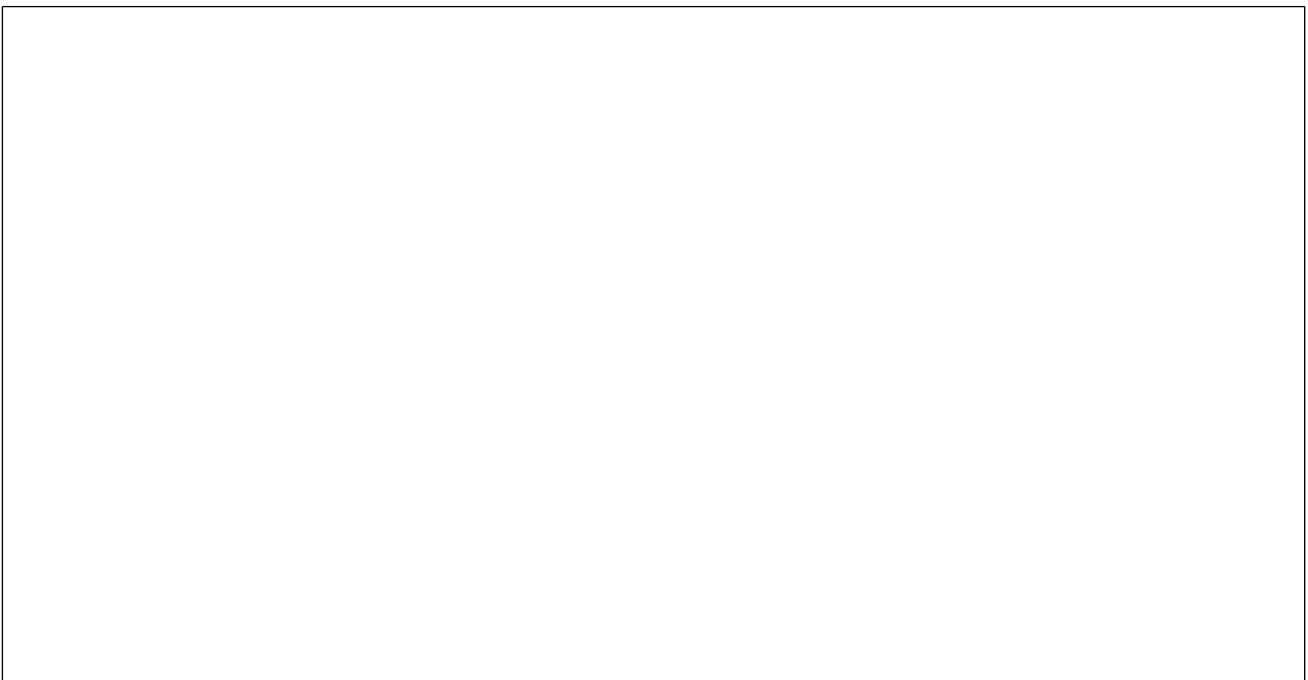
Power & Print

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

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

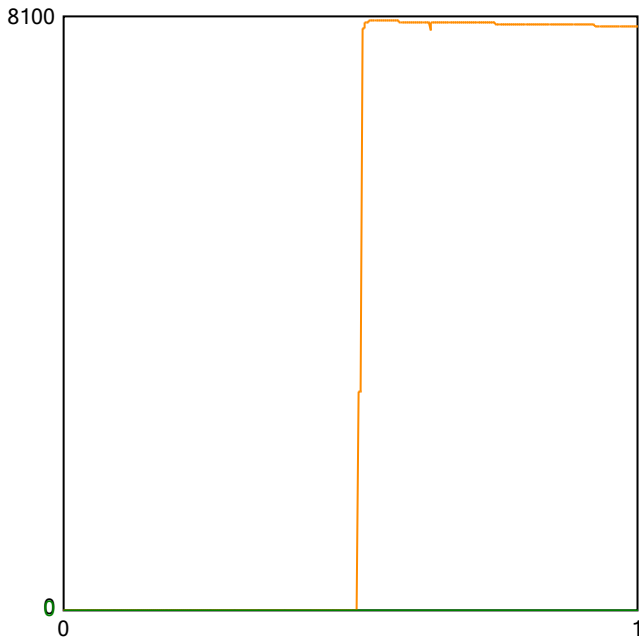
Active

Picture



Sphere photometric measurement

Maximum flux : **8051** lm



Operating condition

Position in sphere :



Ambient sphere T : **24.8** °C

Electrical measurement

● Secondary electrical measurement

Voltage : **66.31** V

Current : **0.600** A

Power : **39.78** W

→ LEDs light efficiency :

202.4 lm/W

223.6 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 @35°C/600mA

Comment :

FORM-L-41 ED1 REV 4



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LED 2022/551 2/3



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NBN EN ISO/IEC 17025 :2017

Colorimetry

Auto: ref: illuminant - Planckian radiator CCT= 3868 K

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

Presets: CRI

Auto: ref: illuminant - Planckian radiator, CCT= 3868 K

Auto: ref: illuminant - Planckian radiator, CCT= 3868 K

Chromaticity difference DC= 1.4E-3

CRI color samples

R1=68.5	R8=48.5
R2=80.7	R9=35.9
R3=89.6	R10=53.6
R4=68.7	R11=63.2
R5=67.7	R12=39.0
R6=71.8	R13=71.0
R7=80.5	R14=94.1

Ra= 72.00 (mean value of R1 - R8)
Re= 61.49 (mean value of R1 - R14)

Weighting Function: None

MEASUREMENT (Radiance) Average 1

Target

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

#6
#7
#8
#9
#10
#11
#12

to Table auto to Ref. to PDF

Luminance L_v 1.490E+3 $\frac{cd}{m^2}$
Radiance (380-780nm) L_g 4.191E+0 $\frac{W}{sr \cdot m^2}$
Corr. Color Temp CCT 3869 K

Chromaticity x 0.3875 y 0.3840
Chromaticity u' 0.2269 v' 0.5058

Quit