

LED Flux measurement

FORM-L-41 ED1 REV 3

Date : **01/02/2021**

Operator : **FCE**

Filename : **2021_94.xml**



226-TEST

NBN EN ISO/IEC 17025 :2017

LEDs

Trademark : **Osram**

Entry number : **38R137-4**

Type : **OSLON SQUARE GIANT**

Power (Catalogue) : **0.00** W

BIN Description : **N6**

Flux : **0** lm/LED

Part number : **GWCSSRM2.PM**

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

Number of LEDs : **16**

Lenses

Trademark : **None**

Type : **None**

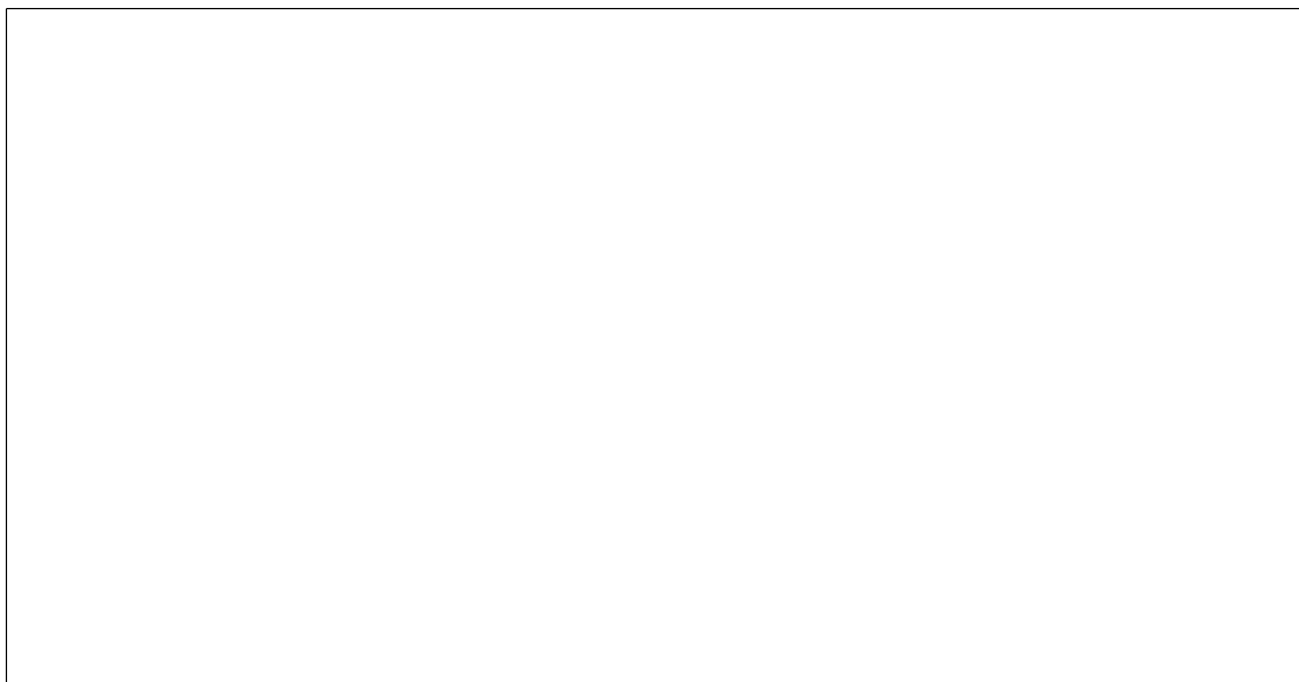
Power & Print

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

Print description : **00-57-060 B**

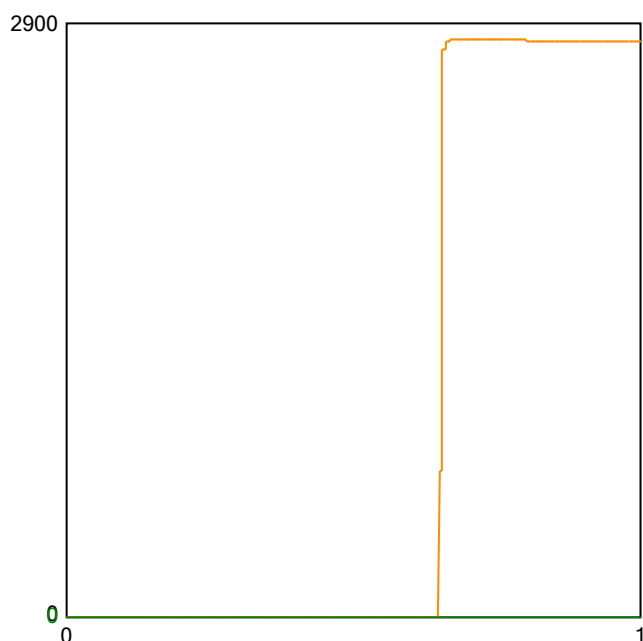
Active ☐

Picture



Sphere photometric measurement

Maximum flux : **2823** lumens



Operating condition

Position in sphere :



Ambient sphere T ° : **25.8**

Electrical measurement

● Secondary electrical measurement

Voltage : **45.01** V

Current : **0.350** A

Power : **15.73** Watt

→ LEDs light efficiency at 25° :

179.5 lm/W

176.5 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 Axia 3.1 - 16 Giant N6 - pcb N°4

Comment :

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Approved by :

LED 2021/94 2/3



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Colorimetry

File Preset Options Extra Calibration: #1 no accessory Apr20' Info

Presets: CRI

Auto: ref. illuminant - Planckian radiator CCT= 3856 K

Auto: ref. illuminant - Planckian radiator, CCT= 3856 K

Chromaticity difference DC= 6.1E-4

CRI color samples

R1= 68.7	R8= 51.6
R2= 76.7	R9= 31.2
R3= 83.4	R10= 45.2
R4= 71.3	R11= 68.3
R5= 68.4	R12= 43.1
R6= 67.7	R13= 69.4
R7= 78.5	R14= 90.4

Ra= 70.78
(mean value of R1 - R8)

Re= 60.81
(mean value of R1 - R14)

Auto: ref. illuminant - Planckian radiator, CCT= 3856 K

Auto: ref. illuminant - Planckian radiator, CCT= 3856 K

MEASUREMENT (radiance)

Average 1

Target

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

Weighting Function: None

to Table ☒ auto to Ref. to PDF

Luminance L_v 4.686E+2 $\frac{cd}{m^2}$
Radiance L_e 1.347E+0 $\frac{W}{m^2 \cdot sr}$
(380-780nm)
Corr. Color Temp CCT 3857 K
Chromaticity x 0.3865 y 0.3792
Chromaticity u' 0.2281 v' 0.5036

Quit