

## 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**

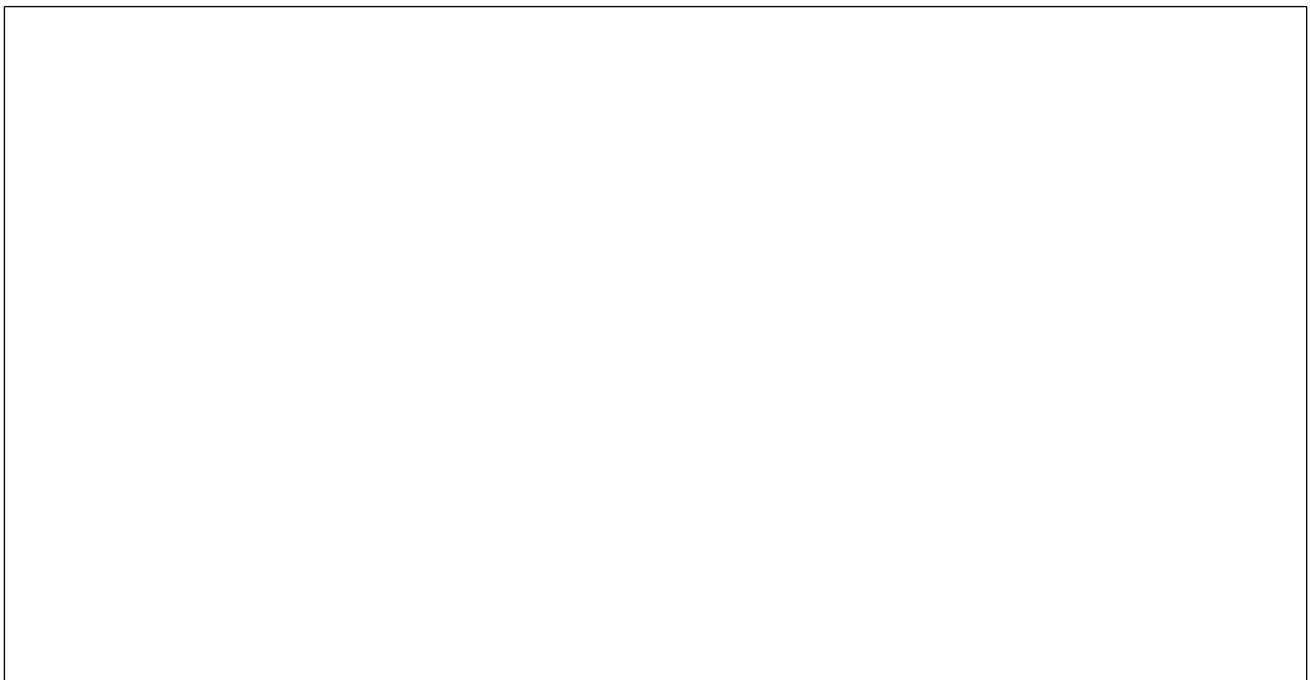
### Power & Print

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

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

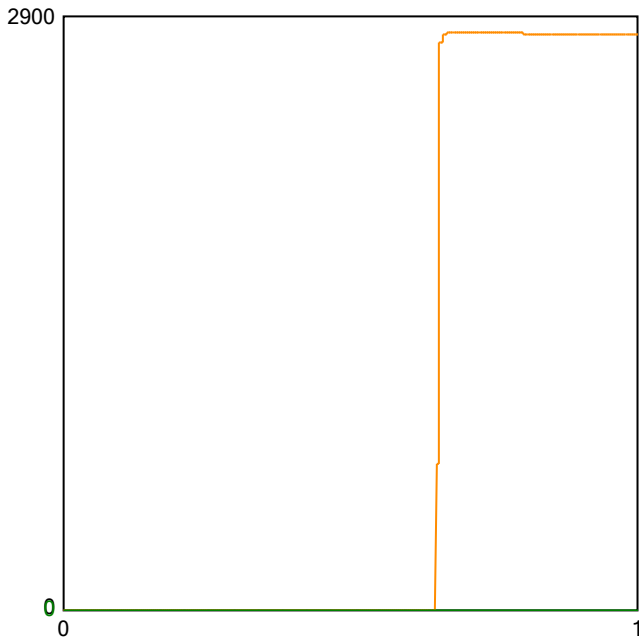
Active

### 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

← Preset: 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)  
 Rg= 60.81 (mean value of R1 - R14)

Weighting Function: None

MEASUREMENT (radiance) Average 1

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

#1

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

Quit