

# Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

**Supplier's name or trade mark:** J&EL

**Supplier's address:** Namron AS, Nedre kalbakkvei 88B, 1081 Oslo, NO

**Model identifier:** 3306794

**Type of light source:**

|                                                     |                          |                                 |      |
|-----------------------------------------------------|--------------------------|---------------------------------|------|
| Lighting technology used:                           | LED                      | Non-directional or directional: | NDLS |
| Light source cap-type (or other electric interface) | other electric interface |                                 |      |
| Mains or non-mains:                                 | MLS                      | Connected light source (CLS):   | No   |
| Colour-tuneable light source:                       | No                       | Envelope:                       | -    |
| High luminance light source:                        | No                       |                                 |      |
| Anti-glare shield:                                  | No                       | Dimmable:                       | No   |

## Product parameters

| Parameter                                                                                                                                      | Value                  | Parameter                                                                                                                                                  | Value                  |
|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| <b>General product parameters:</b>                                                                                                             |                        |                                                                                                                                                            |                        |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer                                                                  | 15                     | Energy efficiency class                                                                                                                                    | E                      |
| Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) | 1 720 in Sphere (360°) | Correlated colour temperature, rounded to the nearest 100 K, or the range of correlated colour temperatures, rounded to the nearest 100 K, that can be set | 3 000                  |
| On-mode power ( $P_{on}$ ), expressed in W                                                                                                     | 15,0                   | Standby power ( $P_{sb}$ ), expressed in W and rounded to the second decimal                                                                               | 0,00                   |
| Networked standby power ( $P_{net}$ ) for CLS, expressed in W and rounded to the second decimal                                                | -                      | Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set                                                         | 80                     |
| Outer dimensions without separate control gear, lighting control                                                                               | Height                 | Spectral power distribution in the range 250 nm to 800 nm, at full-load                                                                                    | See image in last page |
|                                                                                                                                                | Width                  |                                                                                                                                                            |                        |
|                                                                                                                                                | Depth                  |                                                                                                                                                            |                        |

|                                                                                                                         |      |                                       |                |  |
|-------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------|----------------|--|
| parts and non-lighting control parts, if any (millimetre)                                                               |      |                                       |                |  |
| Claim of equivalent power <sup>(a)</sup>                                                                                | -    | If yes, equivalent power (W)          | -              |  |
|                                                                                                                         |      | Chromaticity coordinates (x and y)    | 0,440<br>0,403 |  |
| <b>Parameters for LED and OLED light sources:</b>                                                                       |      |                                       |                |  |
| R9 colour rendering index value                                                                                         | 0    | Survival factor                       | 0,90           |  |
| the lumen maintenance factor                                                                                            | 0,96 |                                       |                |  |
| <b>Parameters for LED and OLED mains light sources:</b>                                                                 |      |                                       |                |  |
| displacement factor (cos $\phi_1$ )                                                                                     | 0,70 | Colour consistency in McAdam ellipses | 6              |  |
| Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage. | -(b) | If yes then replacement claim (W)     | -              |  |
| Flicker metric (Pst LM)                                                                                                 | 1,0  | Stroboscopic effect metric (SVM)      | 0,4            |  |

(a) '-': not applicable;

(b) '-': not applicable;

# Lightsource Test Report

## Product Information

Product Type: W600S50

Product Spec: 3000K

Product Number: 1

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4383$   $y=0.3985$   $u(u')=0.2539$   $v=0.3462$   $v'=0.5194$

CCT:  $T_c=2931K$  ( $duv=-0.00242$ )

Color Ratio:  $R=0.237$   $G=0.737$   $B=0.026$

Peak Wavelength: 607.9nm

Half Bandwidth: 123.8nm

Dominant Wavelength: 584.0nm

Color Purity: 0.512

Central Wave: 595.7nm

Gravity Wave: 608.0nm

CRI:  $R_a=83.4$

TM30:  $R_f=85$ ,  $R_g=97$

GAI:  $GAI\_BB\_8=100.7$ ,  $GAI\_BB\_15=107.5$ ,  $GAI\_EES=55.9$

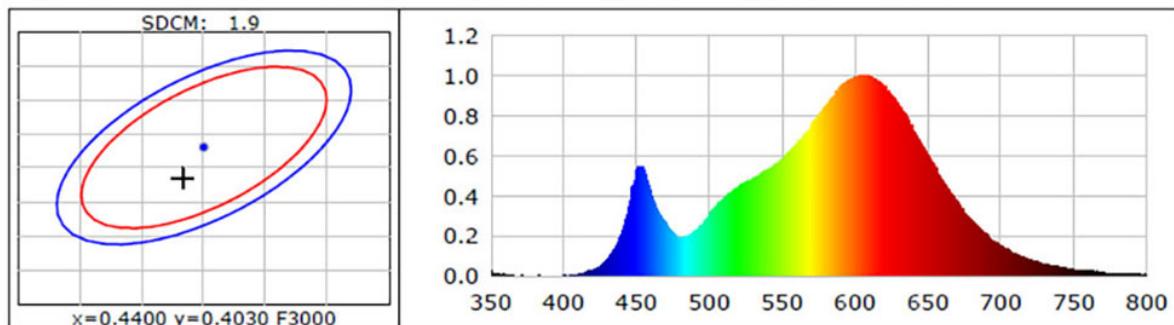
$R1=82$   $R2=92$   $R3=96$   $R4=82$   $R5=83$   $R6=91$   $R7=81$   $R8=60$

$R9=11$   $R10=83$   $R11=81$   $R12=75$   $R13=85$   $R14=98$   $R15=75$

Color Quality Scale:  $Q_a=82.6$ ,  $Q_f=83.8$ ,  $Q_p=85.3$ ,  $Q_g=93.1$

$Q1=79$   $Q2=95$   $Q3=83$   $Q4=80$   $Q5=83$   $Q6=84$   $Q7=83$   $Q8=85$

$Q9=95$   $Q10=89$   $Q11=86$   $Q12=83$   $Q13=82$   $Q14=73$   $Q15=75$



## Photometric Parameters

Luminous Flux: 1752.7 lm

Efficiency: 123.91 lm/W

Radiant Power: 5.388 W

EEI: 0.11

Energy Efficiency Class: A++ (EU 874-2012)

## Electric Parameters

Voltage: 94.303V

Current: 0.1500A

Power: 14.15W

Power Factor: 1.0000

Frequency: 0.00Hz

## Test Information

Scan Range: 350~800:1nm

Photometric Method: sphere-photometer (spec\_rev)

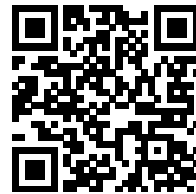
Stabilization Time: 0 Min ALC.: 1.0000

Photometric Condition: Sphere diameter: 1.50m, 4π

Max of Signal: 47220 (3274)

CCD Integration Time: 215.79 ms

Model placed on the Union market from 10/10/2021



**EPREL registration number:** 855168

<https://eprel.ec.europa.eu/qr/855168>

**Supplier:** NAMRON AS (Importer)

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