

# Product Information Sheet

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

**Supplier's name or trade mark:** Namron

**Supplier's address:** Namron AS, Address: Nedre kalbakkvei 88B, 1081, Oslo, Norway

**Model identifier:** 3222236

## Type of light source:

|   |          |                                 |     |
|---|----------|---------------------------------|-----|
| Lighting technology used:                           | LED      | Non-directional or directional: | DLS |
| Light source cap-type (or other electric interface) | Terminal |                                 |     |
| 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:                       | Yes |

## 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  | 10                       | Energy efficiency class  | F   |
| 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°) | 680 in Narrow cone (90°) | 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 | 2000...2800   |
| On-mode power ( $P_{on}$ ), expressed in W   | 10,0                     | Standby power ( $P_{sb}$ ), expressed in W and rounded to the second decimal   | 0,50  |
| 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   | 95  |
| Outer dimensions without separate control gear, lighting control   | Height                   | 40   | Spectral power distribution in the range 250 nm to 800 nm, at full-load |
|  | Width                    | 95   |   |
|  | Depth                    | 95   |   |
|  |                          |  | See image in last page  |

|   |       |  |                |
|---|-------|--|----------------|
| parts and non-lighting control parts, if any (millimetre)   |       |  |                |
| Claim of equivalent power <sup>(a)</sup>  | Yes   | If yes, equivalent power (W)                                       | 10             |
|   |       | Chromaticity coordinates (x and y)                                 | 0,430<br>0,400 |
| <b>Parameters for directional light sources:</b>  |       |  |                |
| Peak luminous intensity (cd)  | 1 193 | Beam angle in degrees, or the range of beam angles that can be set | 38             |
| <b>Parameters for LED and OLED light sources:</b>   |       |  |                |
| R9 colour rendering index value   | 98    | Survival factor  | 0,90           |
| the lumen maintenance factor  | 0,96  |  |                |
| <b>Parameters for LED and OLED mains light sources:</b>   |       |  |                |
| displacement factor (cos $\phi_1$ )   | 0,50  | Colour consistency in McAdam ellipses                              | 3              |
| 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)   | 0,6   | Stroboscopic effect metric (SVM)                                   | 0,1            |

(a) '-': not applicable;

(b) '-': not applicable;

## Spectrum Test Report

Sample :  
Specification : 3222236  
Sample No. : 1  
Manufacturer : EVERFINE

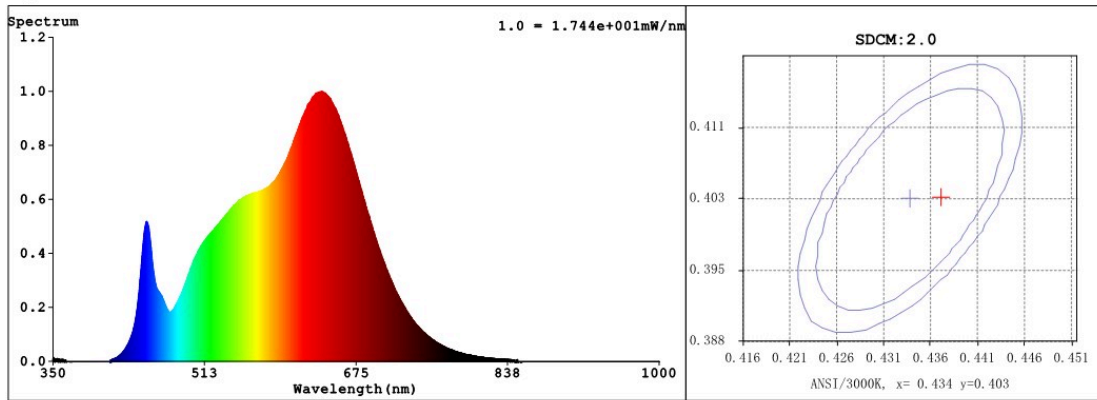
Date : 2021-05-20 15:03:11  
Sam. Status :  
Instrument : HAAS-2000(EVERFINE)  
Test by : DAMIN  
Assessor : damin

### Test Condition

Temperature : 85Deg  
WL Range : 350nm-1000nm  
Test Mode : Fast Test

RH : 65.0%  
IP : 55701 (85%)  
T : 463 ms  
Sensitivity : High

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4371$   $y = 0.4032$  /  $u' = 0.2511$   $v' = 0.5211$  ( $duv = -3.83e-04$ )  $Dx, Dy: -0.0006, -0.0012$   
CCT= 2990K Prcp WL:  $L_d = 583.0nm$  Purity=52.2%  
Peak WL:  $L_p = 638nm$  FWHM: =166.5nm Ratio:R=25.3% G=71.8% B=2.9%  
Render Index:  $R_a = 97.3$  AvgR = 96.3 TM30:Rf=96 Rg=103  
R1 =98 R2 =99 R3 =94 R4 =96 R5 =99 R6 =98 R7 =98  
R8 =97 R9 =97 R10=96 R11=94 R12=87 R13=98 R14=95 R15=98  
LEVEL:OUT WHITE:ANSI\_3000K

### Photometric & Radiometric Parameters

Flux = 779.67 lm Eff. : 79.82 lm/W  $F_e = 2.9918 W$   
Scotopic:1131.8 S/P:1.4516 (EQE):3140.3%  
Flux of emitted photons( $\mu mol/s$ ):14.885 Fluo. and blue light ratio:12.24 Fluorescent eff.:259.2  
B:  $2.9918e+003mW$

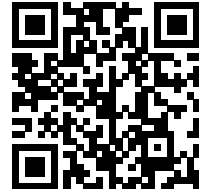
### Electrical parameters

V = 230.9 V I = 0.04622 A P = 9.768 W PF = 0.9154  
Kdisp(IEC) = 0.9516 Freq=49.99 Hz

### GBT5702

Gamut Index:  $G_a = 1.0$   
C1 =101 C2 =88 C3 =82 C4 =100 C5 =101 C6 =87 C7 =83  
C8 =99 C9 =100 C10=83 C11=102 C12=84 C13=98 C14=88 C15=100

Model placed on the Union market from 01/09/2021



**EPREL registration number:** 721742

<https://eprel.ec.europa.eu/qr/721742>

**Supplier:** NAMRON AS (Importer)

**Website:** [www.namron.com](http://www.namron.com)

**Customer care service:**

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