

# 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, Nedre kalbakkvei 88B, 1081, Oslo, Norway

**Model identifier:** 3802373

## Type of light source:

|                                                     |      |                                 |     |
|-----------------------------------------------------|------|---------------------------------|-----|
| Lighting technology used:                           | LED  | Non-directional or directional: | DLS |
| Light source cap-type (or other electric interface) | GU10 |                                 |     |
| 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                                                                  | 5                         | 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°) | 420 in Nar-row 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 | 2 700                  |
| On-mode power ( $P_{on}$ ), expressed in W                                                                                                     | 5,0                       | 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                                                         | 82                     |
| 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>                                                                                | Yes   | If yes, equivalent power (W)                                       | 5              |  |
|                                                                                                                         |       | Chromaticity coordinates (x and y)                                 | 0,461<br>0,415 |  |
| <b>Parameters for directional light sources:</b>                                                                        |       |                                                                    |                |  |
| Peak luminous intensity (cd)                                                                                            | 1 092 | Beam angle in degrees, or the range of beam angles that can be set | 82             |  |
| <b>Parameters for LED and OLED light sources:</b>                                                                       |       |                                                                    |                |  |
| R9 colour rendering index value                                                                                         | 10    | 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)                                                                                                 | 0,1   | Stroboscopic effect metric (SVM)                                   | 0,2            |  |

(a) '-': not applicable;

(b) '-': not applicable;

## Spectrum Test Report

Sample : 0  
Specification : 3802373  
Sample No. : 1  
Manufacturer : EVERFINE

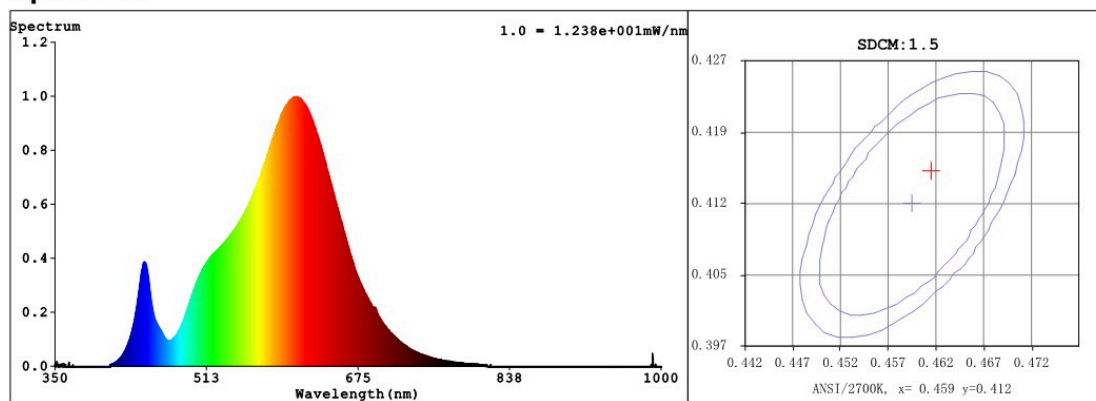
Date : 2021-01-17 17:09:54  
Sam. Status :  
Instrument : HAAS-2000(EVERFINE)  
Test by : DAMIN  
Assessor : damin

### Test Condition

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

RH : 65.0%  
IP : 54271 (83%)  
T : 597 ms  
Sensitivity : High

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate: x = 0.4610 y = 0.4155 / u' = 0.2611 v' = 0.5294 (duv=1.68e-03) Dx,Dy:0.0029,0.0052

CCT= 2721K Prcp WL: Ld=583.6nm Purity=63.1%

Peak WL: Lp=610nm FWHM: =119.2nm Ratio:R=25.0% G=73.1% B=1.9%

Render Index: Ra = 83.5 AvgR = 78.2 TM30:Rf=84 Rg=97

R1 =82 R2 =90 R3 =98 R4 =83 R5 =82 R6 =89 R7 =84

R8 =60 R9 =10 R10=79 R11=84 R12=76 R13=83 R14=99 R15=73

LEVEL:OUT WHITE:ANSI\_2700K

### Photometric & Radiometric Parameters

Flux = 566.50 lm Eff. : 101.95 lm/W Fe = 1.7489 W

(EQE):3000%

Flux of emitted photons(umol/s):8.5551 Fluo. and blue light ratio:13.48 Fluorescent eff.:254.9

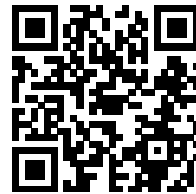
### Electrical parameters

V = 230.7 V I = 0.02769 A P = 5.557 W PF = 0.8698

Kdisp(IEC) = 0 Freq=51.12 Hz

KLM

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



**EPREL registration number:** 1117706

<https://eprel.ec.europa.eu/qr/1117706>

**Supplier:** NAMRON AS (Importer)

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