# 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:** customer service, Nedre kalbakkvei 88B, 1081 Oslo, NO

**Model identifier:** 3220271

**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 |
|---|---|---|---|
| **General product parameters:** | | | |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer | 8 | Energy efficiency class | F |
| Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º) | 610 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 | 4 000 |
| On-mode power ($P_{on}$), expressed in W | 8,0 | 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 | 51 | Spectral power distribution in the range 250 nm to 800 nm, at full-load | See image in last page |
| Width | 95 | | |
| Depth | 95 | | |

| | | | | |
|---|---|---|---|---|
| parts and non-lighting control parts, if any (millimetre) | | | | |
| Claim of equivalent power[(a)] | | Yes | If yes, equivalent power (W) | 8 |
| | | | Chromaticity coordinates (x and y) | 0,385<br>0,224 |
| **Parameters for directional light sources:** | | | | |
| Peak luminous intensity (cd) | | 1 505 | Beam angle in degrees, or the range of beam angles that can be set | 38 |
| **Parameters for LED and OLED light sources:** | | | | |
| R9 colour rendering index value | | 58 | Survival factor | 0,90 |
| the lumen maintenance factor | | 0,96 | | |
| **Parameters for LED and OLED mains light sources:** | | | | |
| displacement factor (cos ϕ1) | | 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) | | 0,3 | Stroboscopic effect metric (SVM) | 0,1 |

[(a)] '-' : not applicable;

[(b)] '-' : not applicable;

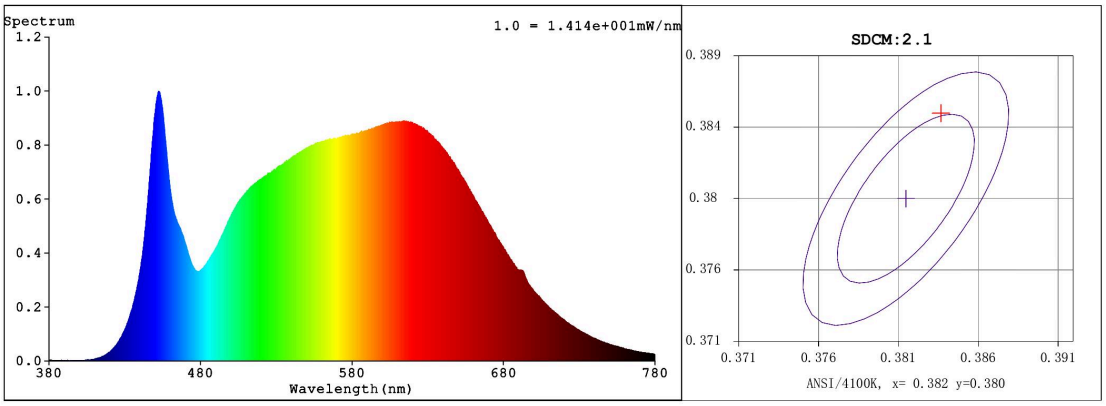
# Spectrum Test Report

| | | | |
|---|---|---|---|
| Sample | : | Date | : 2022-10-17 19:16:14 |
| Specification | : 3220271 | Sam. Status | : |
| Sample No. | : 1 | Instrument | : HAAS-2000(EVERFINE) |
| Manufacturer | : | Test by | : ADMIN |
| | | Assessor | : admin |

## Test Condition

| | | | |
|---|---|---|---|
| Temperature | : 85Deg | RH | : 65.0% |
| WL Range | : 380nm-780nm | IP | : 53072 (81%) |
| Test Mode | : Fast Test | T | : 445 ms |
| | | Sensitivity | : High |

## Spectrum




## Colorimetric Parameters

Chromaticity Coordinate: x = 0.3840 y = 0.3853 / u' = 0.2240 v' = 0.5058 (duv=2.95e-03) Dx,Dy:0.0021,0.0077

CCT= 3968K Prcp WL: Ld=577.7nm Purity=30.9%

Peak WL: Lp=452nm FWHM: =22.4nm Ratio:R=19.4% G=76.6% B=4.0%

Render Index: Ra = 91.3 AvgR = 87.4 TM30:Rf=91 Rg=98

R1 =91 R2 =94 R3 =96 R4 =91 R5 =90 R6 =91 R7 =94

R8 =84 R9 =58 R10=85 R11=91 R12=69 R13=92 R14=97 R15=88

LEVEL:OUT WHITE:ANSI_4000K

CQS Parameters: Qa = 91.2 GAI Parameters: GAI_EES = 72.6, GAI_BB8:92.6, GAI_BB15:97.9 TLCI Parameters: T

COI:2.68

## Photometric & Radiometric Parameters

Flux = 849.96 lm Eff. : 109.79 lm/W Fe = 2.8310 W

Scotopic:1491.2 S/P:1.7545 (EQE):3477.9%

Flux of emitted photons(umol/s):13.588 Fluo. and blue light ratio:6.003 Fluorescent eff.:301.1

B: 2.6213e+003mW

## Electrical parameters

V = 231.0 V I = 0.03490 A P = 7.741 W PF = 0.9604

Kdisp(IEC) = 0.9771 Freq=49.99 Hz

## GBT5702

Gamut Index: Ga=0.96

C1 =97 C2 =77 C3 =66 C4 =86 C5 =90 C6 =80 C7 =80

C8 =92 C9 =93 C10=73 C11=91 C12=79 C13=92 C14=68 C15=94

Model placed on the Union market from 01/09/2022

**EPREL registration number:** 1392377

https://eprel.ec.europa.eu/qr/1392377

**Supplier:** NAMRON AS (Importer)

**Website:** www.namron.com

**Customer care service:**

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