

# 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:** 3202130

## Type of light source:

|                                                     |                  |                                 |     |
|-----------------------------------------------------|------------------|---------------------------------|-----|
| Lighting technology used:                           | LED              | Non-directional or directional: | DLS |
| Light source cap-type (or other electric interface) | 3 Wire 1 circuit |                                 |     |
| 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                                                                  | 8                        | Energy efficiency class                                                                                                                                    | G                      |
| 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°) | 505 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 | 2 700                  |
| 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                                                         | 98                     |
| 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)                                       | 8              |  |
|                                                                                                                         |       | Chromaticity coordinates (x and y)                                 | 0,458<br>0,412 |  |
| <b>Parameters for directional light sources:</b>                                                                        |       |                                                                    |                |  |
| Peak luminous intensity (cd)                                                                                            | 1 289 | Beam angle in degrees, or the range of beam angles that can be set | 35             |  |
| <b>Parameters for LED and OLED light sources:</b>                                                                       |       |                                                                    |                |  |
| R9 colour rendering index value                                                                                         | 88    | 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)                                   | 0,3            |  |

(a) '-': not applicable;

(b) '-': not applicable;

## Spectrum Test Report

Sample :  
Specification : 3202130  
Sample No. : 1  
Manufacturer : EVERFINE

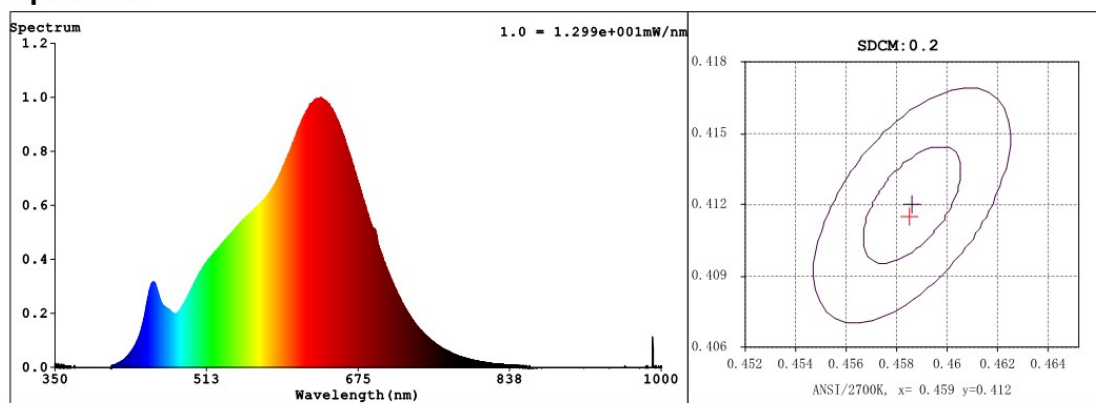
Date : 2021-06-08 16:18:45  
Sam. Status :  
Instrument : HAAS-2000(EVERFINE)  
Test by : DAMIN  
Assessor : damin

### Test Condition

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

RH : 65.0%  
IP : 45332 (69%)  
T : 500 ms  
Sensitivity : High

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4589$   $y = 0.4115$  /  $u' = 0.2615$   $v' = 0.5276$  ( $duv=4.25e-04$ )  $Dx, Dy: 0.0007, 0.0013$

CCT= 2721K Prcp WL:  $L_d=584.0nm$  Purity=61.3%

Peak WL:  $L_p=635nm$  FWHM:  $=154.0nm$  Ratio:  $R=27.0\%$   $G=70.3\%$   $B=2.7\%$

Render Index:  $R_a = 98.2$   $AvgR = 96.8$  TM30:  $R_f=96$   $R_g=100$

$R_1=100$   $R_2=100$   $R_3=98$   $R_4=99$   $R_5=99$   $R_6=98$   $R_7=97$

$R_8=95$   $R_9=88$   $R_{10}=98$   $R_{11}=97$   $R_{12}=89$   $R_{13}=100$   $R_{14}=98$   $R_{15}=97$

LEVEL:OUT WHITE:ANSI\_2700K

### Photometric & Radiometric Parameters

Flux = 558.00 lm Eff. : 71.22 lm/W  $Fe = 2.1551 W$

(EQE):2794.5%

Flux of emitted photons( $\mu mol/s$ ):10.793 Fluo. and blue light ratio:14.64 Fluorescent eff.:231.3

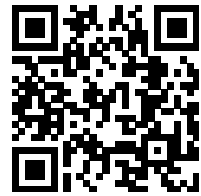
B:  $2.1551e+003mW$

### Electrical parameters

$V = 231.0 V$   $I = 0.03777 A$   $P = 7.835 W$  PF = 0.8980

$K_{disp}(IEC) = 0.9393$  Freq=49.99 Hz

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



**EPREL registration number:** 781491

<https://eprel.ec.europa.eu/qr/781491>

**Supplier:** NAMRON AS (Importer)

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