

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

**Model identifier:** 3234650

## 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	6	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°)	480 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	6,0	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	39	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	88	
	Depth	88	
			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)	6
		Chromaticity coordinates (x and y)	0,458 0,410
<b>Parameters for directional light sources:</b>			
Peak luminous intensity (cd)	1 002	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	12	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)	0,5	Stroboscopic effect metric (SVM)	0,1

(a) : not applicable;

(b) : not applicable;

## Spectrum Test Report

Sample :  
Specification : 3234650  
Sample No. : 3  
Manufacturer : EVERFINE

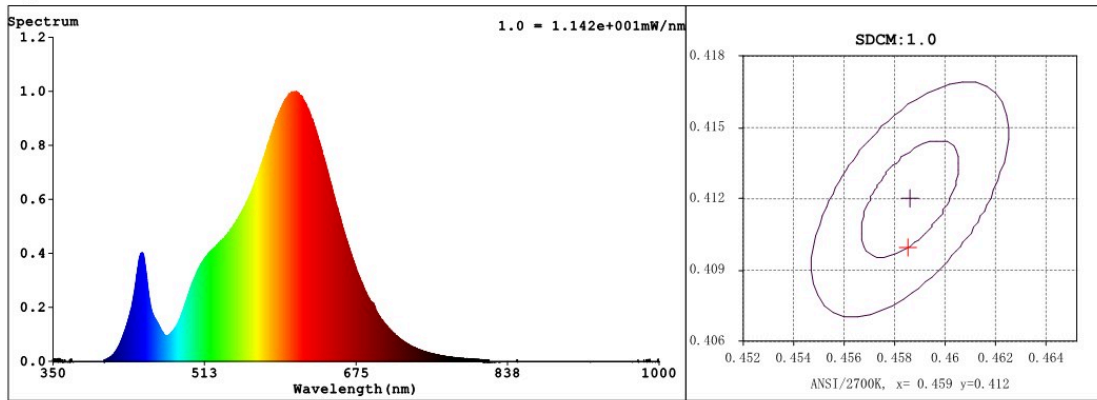
Date : 2021-05-20 15:49:10  
Sam. Status :  
Instrument : HAAS-2000(EVERFINE)  
Test by : DAMIN  
Assessor : damin

### Test Condition

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

RH : 65.0%  
IP : 44088 (67%)  
T : 463 ms  
Sensitivity : High

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4589$   $y = 0.4101$  /  $u' = 0.2621$   $v' = 0.5270$  ( $duv = -1.16e-04$ )  $Dx, Dy: -0.0002, -0.0004$

CCT= 2709K Prcp WL:  $L_d = 584.2\text{nm}$  Purity=60.9%

Peak WL:  $L_p = 611\text{nm}$  FWHM:  $=117.3\text{nm}$  Ratio: R=25.3% G=72.7% B=2.0%

Render Index:  $R_a = 84.0$  AvgR = 79.1

R1 =83 R2 =91 R3 =97 R4 =84 R5 =83 R6 =90 R7 =83

R8 =60 R9 =12 R10=80 R11=85 R12=79 R13=84 R14=99 R15=74

LEVEL:OUT WHITE:ANSI\_2700K

### Photometric & Radiometric Parameters

Flux = 517.51 lm Eff. : 79.98 lm/W  $F_e = 1.6172\text{ W}$

(EQE):2361.6%

Flux of emitted photons( $\mu\text{mol/s}$ ):7.9016 Fluo. and blue light ratio:12.20 Fluorescent eff.:199.4

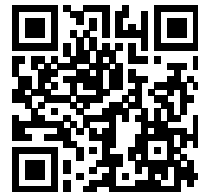
B:  $1.6172e+003\text{mW}$

### Electrical parameters

V = 230.9 V I = 0.03246 A P = 6.470 W PF = 0.8632

Kdisp(IEC) = 0.9348 Freq=49.99 Hz

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



**EPREL registration number:** 781668

<https://eprel.ec.europa.eu/qr/781668>

**Supplier:** NAMRON AS (Importer)

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

**Customer care service:**

**Name:** Namron AS

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

**Email:** [post@namron.com](mailto:post@namron.com)

**Phone:** +47 2281 2770

**Address:**

Address: Nedre kalbakkvei 88B, 1081, Oslo, Norway