

# 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:** 3220202

## 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	8	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°)	520 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	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	40	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	90	
	Depth	90	
			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)	8
		Chromaticity coordinates (x and y)	0,442 0,402
<b>Parameters for directional light sources:</b>			
Peak luminous intensity (cd)	891	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	94	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)	0,7	Stroboscopic effect metric (SVM)	0,1

(a) '-': not applicable;

(b) '-': not applicable;

## Spectrum Test Report

Sample :  
Specification : 3220202  
Sample No. : 1  
Manufacturer : EVERFINE

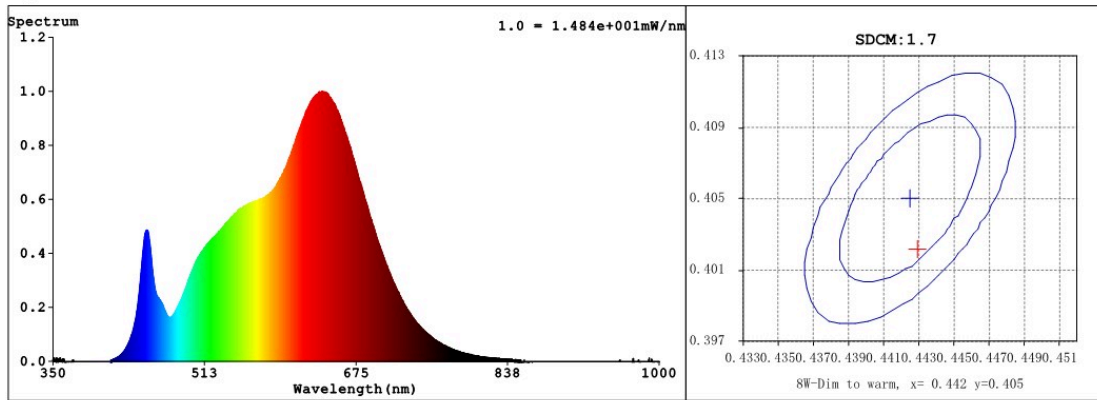
Date : 2021-01-23 10:56:12  
Sam. Status :  
Instrument : HAAS-2000(EVERFINE)  
Test by : DAMIN  
Assessor : damin

### Test Condition

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

RH : 65.0%  
IP : 41573 (63%)  
T : 382 ms  
Sensitivity : High

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4424$   $y = 0.4022$  /  $u' = 0.2550$   $v' = 0.5215$  ( $duv = -1.46e-03$ )  $Dx, Dy: -0.0023, -0.0044$

CCT= 2894K Prcp WL:  $L_d = 583.8\text{nm}$  Purity=53.5%

Peak WL:  $L_p = 638\text{nm}$  FWHM: =159.9nm Ratio:R=26.1% G=71.1% B=2.8%

Render Index:  $R_a = 96.5$  AvgR = 95.6

R1 =96 R2 =99 R3 =94 R4 =94 R5 =97 R6 =98 R7 =97

R8 =96 R9 =94 R10=98 R11=92 R12=90 R13=97 R14=95 R15=97

LEVEL:OUT WHITE:ANSI\_3000K

### Photometric & Radiometric Parameters

Flux = 635.38 lm Eff. : 81.33 lm/W  $F_e = 2.4988\text{ W}$

(EQE):3152.2%

Flux of emitted photons( $\mu\text{mol/s}$ ):12.48 Fluo. and blue light ratio:12.98 Fluorescent eff.:260.1

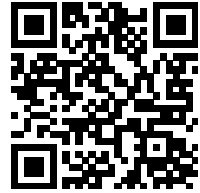
B:  $2.4988e+003\text{mW}$

### Electrical parameters

$V = 230.9\text{ V}$   $I = 0.03864\text{ A}$   $P = 7.812\text{ W}$  PF = 0.8756

$K_{disp}(IEC) = 0.9304$  Freq=49.99 Hz

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



**EPREL registration number:** 710679

<https://eprel.ec.europa.eu/qr/710679>

**Supplier:** NAMRON AS (Importer)

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