

# 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:** 3234690

## 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	15	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°)	1 570 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	3 000
On-mode power ( $P_{on}$ ), expressed in W	15,0	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	55	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	180	
	Depth	180	
			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)	15
		Chromaticity coordinates (x and y)	0,443 0,404
<b>Parameters for directional light sources:</b>			
Peak luminous intensity (cd)	662	Beam angle in degrees, or the range of beam angles that can be set	110
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	0	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	4
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)	0,6	Stroboscopic effect metric (SVM)	0,1

(a) '-': not applicable;

(b) '-': not applicable;

## Spectrum Test Report

Sample :  
Specification : 3234690  
Sample No. : 1  
Manufacturer : EVERFINE

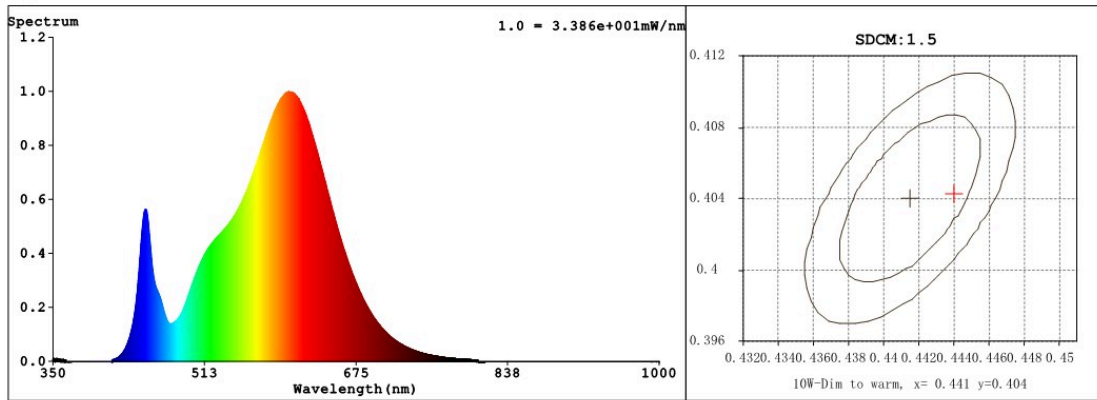
Date : 2021-11-29 09:33:10  
Sam. Status :  
Instrument : HAAS-2000(EVERFINE)  
Test by : DAMIN  
Assessor : damin

### Test Condition

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

RH : 65.0%  
IP : 53947 (82%)  
T : 174 ms  
Sensitivity : High

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4435$   $y = 0.4043$  /  $u' = 0.2547$   $v' = 0.5225$  ( $duv = -7.55e-04$ )  $Dx, Dy: -0.0012, -0.0023$   
CCT= 2894K Prcp WL:  $L_d = 583.5nm$  Purity=54.5%  
Peak WL:  $L_p = 603nm$  FWHM: =117.5nm Ratio: R=23.5% G=74.2% B=2.3%  
Render Index:  $R_a = 81.2$  AvgR = 75.3 TM30: Rf=82 Rg=97  
R1 =80 R2 =90 R3 =96 R4 =79 R5 =80 R6 =88 R7 =81  
R8 =56 R9 =0 R10=78 R11=79 R12=71 R13=82 R14=99 R15=71  
LEVEL:OUT WHITE:ANSI\_3000K  
CQS Parameters:  $Q_a = 82.0$  GAI Parameters: GAI\_EES = 52.3, GAI\_BB8:96.1, GAI\_BB15:102.0 TLCI Parameters: COI:6.19

### Photometric & Radiometric Parameters

Flux = 1623.2 lm Eff. : 118.82 lm/W  $F_e = 5.1878 W$   
(EQE):3709.5%  
Flux of emitted photons( $\mu mol/s$ ):25.236 Fluo. and blue light ratio:9.423 Fluorescent eff.:334.4  
B:  $4.8036e+003mW$

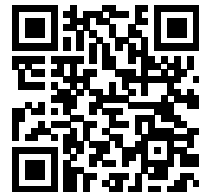
### Electrical parameters

$V = 230.8 V$   $I = 0.06076 A$   $P = 13.66 W$  PF = 0.9736  
Kdisp(IEC) = 0.9785 Freq=49.99 Hz

### GBT5702

Gamut Index:  $G_a = 0.93$   
C1 =88 C2 =83 C3 =80 C4 =89 C5 =88 C6 =84 C7 =72  
C8 =77 C9 =83 C10=78 C11=91 C12=79 C13=88 C14=85 C15=85

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



**EPREL registration number:** 1088185

<https://eprel.ec.europa.eu/qr/1088185>

**Supplier:** NAMRON AS (Importer)

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