

# 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:** 3802936

## Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	GU10		
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°)	470 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	92
Outer dimensions without	Height	Spectral power distribution in the	See image in last page
	Width		
	Depth		

separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power <sup>(a)</sup>	Yes	If yes, equivalent power (W)	6	
		Chromaticity coordinates (x and y)	0,464 0,415	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	898	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	92	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)	0,6	Stroboscopic effect metric (SVM)	0,1	

(a) : not applicable;

(b) : not applicable;

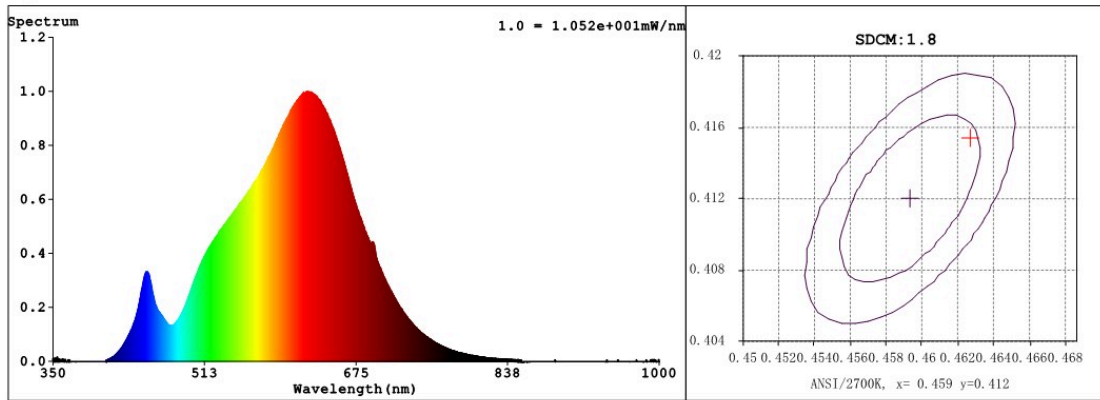
## Spectrum Test Report

Sample :	Date : 2021-05-21 14:15:22
Specification : 3802936	Sam. Status :
Sample No. : 4	Instrument : HAAS-2000(EVERFINE)
Manufacturer : EVERFINE	Test by : DAMIN
	Assessor : damin

### Test Condition

Temperature : 85Deg	RH : 65.0%
WL Range : 350nm-1000nm	IP : 50150 (77%)
Test Mode : Fast Test	T : 608 ms
	Sensitivity : High

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4624$   $y = 0.4154$  /  $u' = 0.2620$   $v' = 0.5295$  ( $duv=1.55e-03$ )  $Dx, Dy: 0.0027, 0.0048$   
 CCT= 2702K Prcp WL:  $L_d=583.7nm$  Purity=63.5%  
 Peak WL:  $L_p=622nm$  FWHM: =150.5nm Ratio:R=26.1% G=71.9% B=2.0%  
 Render Index:  $R_a = 91.0$  AvgR = 87.7 TM30:Rf=91 Rg=100  
 R1 =91 R2 =94 R3 =96 R4 =92 R5 =90 R6 =93 R7 =93  
 R8 =81 R9 =55 R10=85 R11=93 R12=80 R13=91 R14=97 R15=87  
 LEVEL:OUT WHITE:ANSI\_2700K

### Photometric & Radiometric Parameters

Flux = 486.21 lm Eff. : 83.51 lm/W Fe = 1.7279 W  
 Scotopic:600.15 S/P:1.2344 (EQE):2939.5%  
 Flux of emitted photons( $\mu mol/s$ ):8.6015 Fluo. and blue light ratio:14.83 Fluorescent eff.:245.5  
 B: 1.7280e+003mW

### Electrical parameters

V = 230.9 V I = 0.02857 A P = 5.822 W PF = 0.8827  
 Kdisp(IEC) = 0.9102 Freq=49.99 Hz

### GBT5702

Gamut Index: Ga=0.99  
 C1 =96 C2 =85 C3 =81 C4 =94 C5 =94 C6 =87 C7 =87  
 C8 =91 C9 =93 C10=79 C11=96 C12=81 C13=94 C14=87 C15=94