

# 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:** customer service, Nedre kalbakkvei 88B, 1081 Oslo, NO

**Model identifier:** 3220263

## 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	9	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°)	780 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	10,0	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	95	
	Depth	95	
			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)	10
		Chromaticity coordinates (x and y)	0,440 0,402
<b>Parameters for directional light sources:</b>			
Peak luminous intensity (cd)	1 184	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	93	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)	0,2	Stroboscopic effect metric (SVM)	0,1

(a) '-': not applicable;

(b) '-': not applicable;

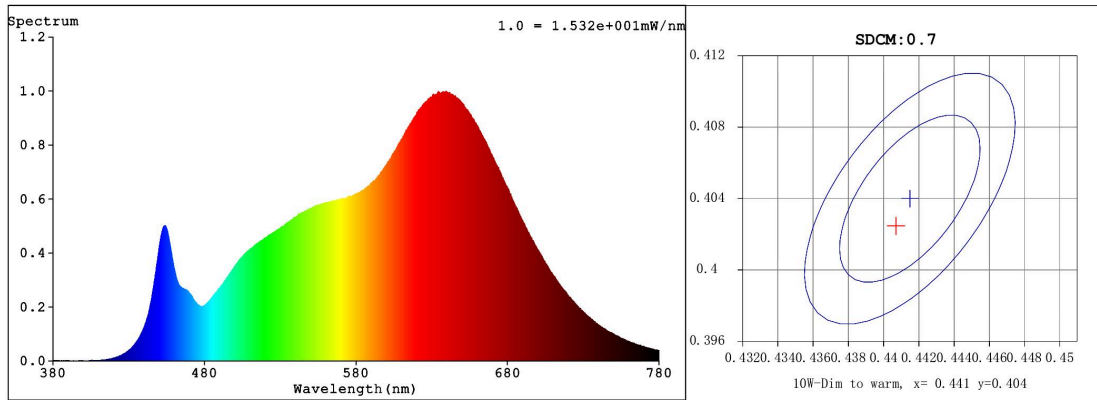
## Spectrum Test Report

Sample :  
Specification : 3220263  
Sample No. : 1  
Manufacturer :  
Date : 2022-10-17 17:22:59  
Sam. Status :  
Instrument : HAAS-2000(EVERFINE)  
Test by : ADMIN  
Assessor : admin

### Test Condition

Temperature : 85Deg  
WL Range : 380nm-780nm  
Test Mode : Fast Test  
RH : 65.0%  
IP : 52099 (79%)  
T : 445 ms  
Sensitivity : High

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4402$   $y = 0.4025$  /  $u' = 0.2534$   $v' = 0.5212$  ( $duv = -1.08e-03$ )  $Dx, Dy: -0.0016, -0.0033$   
CCT= 2932K Prcp WL:  $L_d = 583.5nm$  Purity=52.9%  
Peak WL:  $L_p = 639nm$  FWHM: =160.4nm Ratio:R=26.0% G=71.0% B=3.1%  
Render Index:  $R_a = 96.7$  AvgR = 95.5 TM30:Rf=96 Rg=103  
R1 =96 R2 =98 R3 =96 R4 =96 R5 =96 R6 =97 R7 =99  
R8 =96 R9 =93 R10=99 R11=93 R12=86 R13=96 R14=96 R15=96  
LEVEL:OUT WHITE:ANSI\_3000K  
CQS Parameters:  $Q_a = 97.7$  GAI Parameters: GAI\_EES = 59.0, GAI\_BB8:106.3, GAI\_BB15:110.4 TLCI Parameters  
COI:5.42

### Photometric & Radiometric Parameters

Flux = 715.99 lm Eff. : 79.56 lm/W Fe = 2.7631 W  
Scotopic:1043.6 S/P:1.4575 (EQE):3036.6%  
Flux of emitted photons( $\mu mol/s$ ):13.893 Fluo. and blue light ratio:12.13 Fluorescent eff.:270.5  
B:  $2.5585e+003mW$

### Electrical parameters

V = 230.9 V I = 0.04086 A P = 8.999 W PF = 0.9536  
Kdisp(IEC) = 0.9724 Freq=49.99 Hz

### GBT5702

Gamut Index:  $G_a = 1.0$   
C1 =101 C2 =91 C3 =84 C4 =101 C5 =102 C6 =89 C7 =81  
C8 =99 C9 =101 C10=86 C11=103 C12=86 C13=100 C14=90 C15=101