

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: 3220241

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
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	9	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	720 in Nar-row 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	9,0	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	98
Outer dimensions without separate control gear, lighting control	Height	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	Yes	If yes, equivalent power (W)	10	
		Chromaticity coordinates (x and y)	0,456 0,411	
Parameters for directional light sources:				
Peak luminous intensity (cd)	1 606	Beam angle in degrees, or the range of beam angles that can be set	35	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	90	Survival factor	0,90	
the lumen maintenance factor	0,96			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_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;

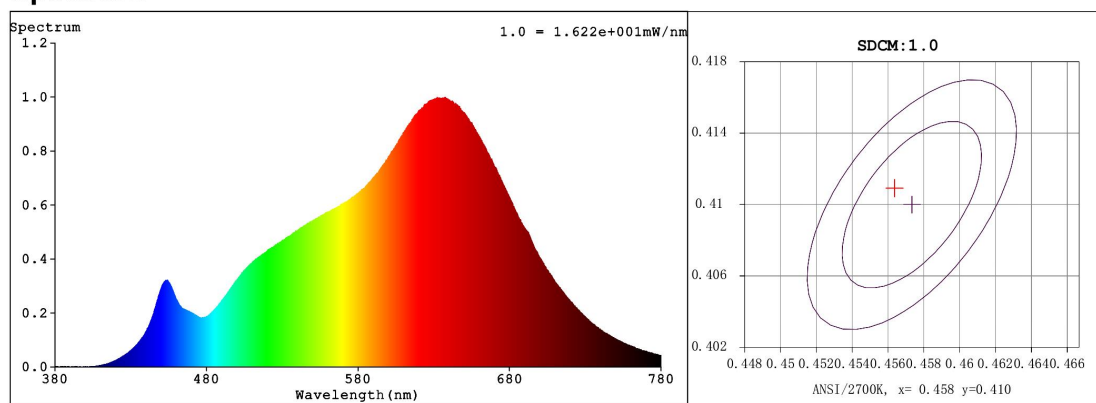
Spectrum Test Report

Sample	:	Date	: 2022-09-13 14:02:46
Specification	: 3220241	Sam. Status	:
Sample No.	: 1	Instrument	: HAAS-2000(EVERFINE)
Manufacturer	:	Test by	: ADMIN
		Assessor	: admin

Test Condition

Temperature	: 85Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 53616 (82%)
Test Mode	: Fast Test	T	: 430 ms
		Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4568$ $y = 0.4110$ / $u' = 0.2604$ $v' = 0.5271$ ($duv=4.19e-04$) $Dx, Dy: 0.0007, 0.0013$

CCT= 2746K Prcp WL: $L_d=583.8nm$ Purity=60.5%

Peak WL: $L_p=632nm$ FWHM: $=154.2nm$ Ratio: $R=26.8\%$ $G=70.5\%$ $B=2.6\%$

Render Index: $R_a = 98.3$ $AvgR = 97.0$ $TM30: R_f=96$ $R_g=101$

$R_1=99.3$ $R_2=99.7$ $R_3=96.9$ $R_4=98.3$ $R_5=99.6$ $R_6=98.1$ $R_7=98.2$

$R_8=96.1$ $R_9=90.0$ $R_{10}=97.9$ $R_{11}=95.6$ $R_{12}=90.9$ $R_{13}=99.4$ $R_{14}=97.2$ $R_{15}=98.2$

LEVEL:OUT WHITE:ANSI_2700K

CQS Parameters: $Q_a = 98.1$ GAI Parameters: $GAI_EES = 49.8$, $GAI_BB8:99.5$, $GAI_BB15:103.2$ TLCI Parameters: $COI:5.85$

Photometric & Radiometric Parameters

Flux = 734.03 lm Eff. : 75.35 lm/W $Fe = 2.7963 W$

(EQE):2951.8%

Flux of emitted photons($\mu mol/s$):14.13 Fluo. and blue light ratio:15.22 Fluorescent eff.:258.4

B: $2.6631e+003mW$

Electrical parameters

$V = 230.9 V$ $I = 0.04398 A$ $P = 9.742 W$ $PF = 0.9592$

$K_{disp}(IEC) = 0.9760$ Freq=49.99 Hz

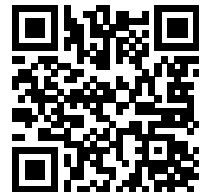
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Gamut Index: $G_a=1.0$

$C_1=100.3$ $C_2=90.1$ $C_3=81.8$ $C_4=98.9$ $C_5=99.9$ $C_6=90.3$ $C_7=85.8$

$C_8=97.0$ $C_9=98.4$ $C_{10}=85.0$ $C_{11}=100.8$ $C_{12}=86.3$ $C_{13}=99.0$ $C_{14}=87.7$ $C_{15}=99.1$

Model placed on the Union market from 01/09/2022



EPREL registration number: 1392028

<https://eprel.ec.europa.eu/qr/1392028>

Supplier: NAMRON AS (Importer)

Website: www.namron.com

Customer care service:

Name: customer service

Website: www.namron.com

Email: post@namron.com

Phone: 22 81 27 70

Address:

Nedre kalbakkvei 88B
1081 Oslo
Norway