

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 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	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	55	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 ^(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;

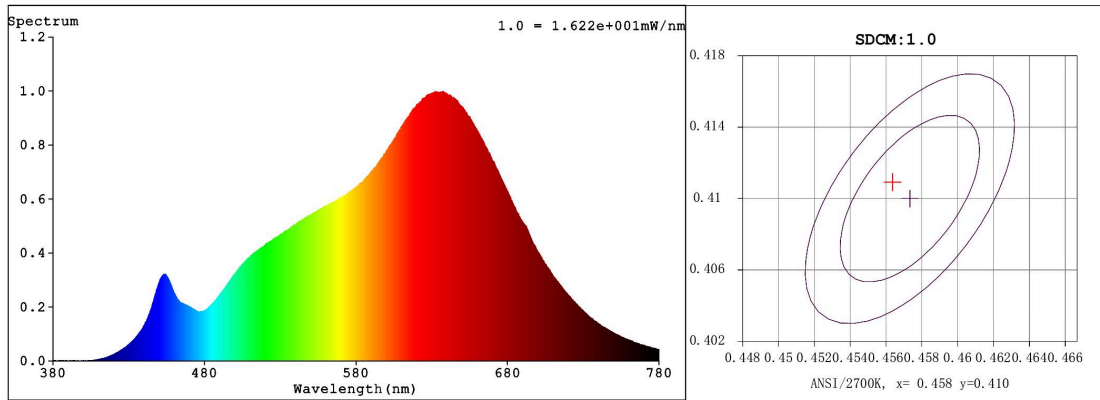
Spectrum Test Report

Sample :
Specification : 3220241
Sample No. : 1
Manufacturer :
Date : 2022-09-13 14:02:46
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 : 53616 (82%)
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:Rf=96 Rg=101

R1 =99.3 R2 =99.7 R3 =96.9 R4 =98.3 R5 =99.6 R6 =98.1 R7 =98.2

R8 =96.1 R9 =90.0 R10=97.9 R11=95.6 R12=90.9 R13=99.4 R14=97.2 R15=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

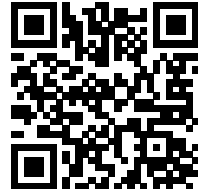
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Gamut Index: $G_a=1.0$

C1 =100.3 C2 =90.1 C3 =81.8 C4 =98.9 C5 =99.9 C6 =90.3 C7 =85.8

C8 =97.0 C9 =98.4 C10=85.0 C11=100.8 C12=86.3 C13=99.0 C14=87.7 C15=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:

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