

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: 3220223

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	10	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°)	820 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	1800...4000
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	43	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)	0,383 0,383
Parameters for directional light sources:			
Peak luminous intensity (cd)	1 587	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	77	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)	0,6	Stroboscopic effect metric (SVM)	0,1

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report

Sample :
Specification : 3220223
Sample No. : 1
Manufacturer : EVERFINE

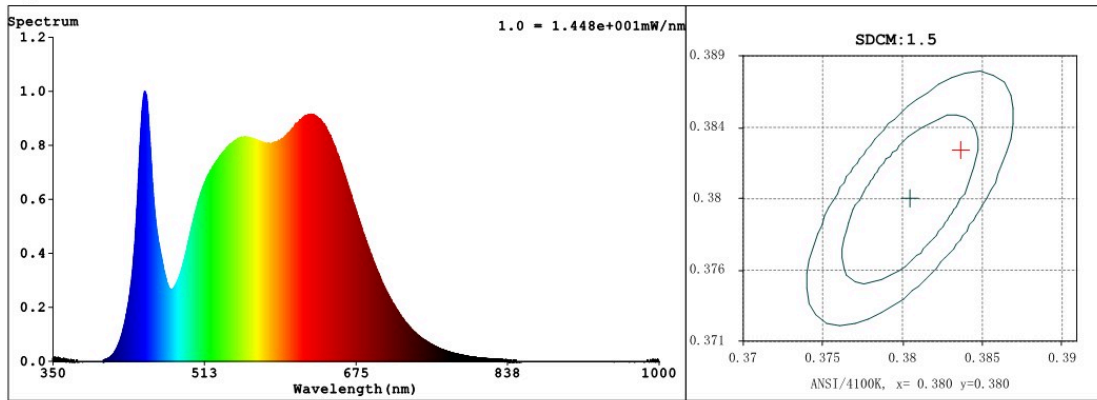
Date : 2021-11-30 14:53:18
Sam. Status :
Instrument : HAAS-2000(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 52556 (80%)
T : 401 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3832$ $y = 0.3831$ / $u' = 0.2244$ $v' = 0.5047$ ($duv=2.13e-03$) $Dx, Dy: 0.0015, 0.0055$
CCT= 3973K Prcp WL: $L_d=578.1nm$ Purity=30.0%
Peak WL: $L_p=448nm$ FWHM: $=21.5nm$ Ratio: R=19.7% G=76.8% B=3.5%
Render Index: $R_a = 91.8$ AvgR = 88.9 TM30: Rf=92 Rg=101
R1 =93 R2 =92 R3 =89 R4 =93 R5 =92 R6 =88 R7 =95
R8 =92 R9 =77 R10=80 R11=93 R12=70 R13=92 R14=93 R15=93
LEVEL:OUT WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 847.58 lm Eff. : 87.08 lm/W $F_e = 2.9412 W$
(EQE):3009.9%
Flux of emitted photons($\mu mol/s$):14.221 Fluo. and blue light ratio:6.191 Fluorescent eff.:250.3
B: $2.8281e+003mW$

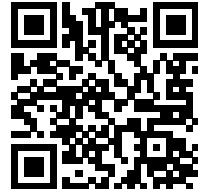
Electrical parameters

V = 230.9 V I = 0.04382 A P = 9.733 W PF = 0.9619
Kdisp(IEC) = 0.9815 Freq=49.99 Hz

GBT5702

Gamut Index: $G_a=1.0$
C1 =97 C2 =76 C3 =70 C4 =91 C5 =92 C6 =79 C7 =82
C8 =96 C9 =96 C10=73 C11=94 C12=76 C13=92 C14=73 C15=96

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



EPREL registration number: 1121243

<https://eprel.ec.europa.eu/qr/1121243>

Supplier: NAMRON AS (Importer)

Website: www.namron.com

Customer care service:

Name: Namron AS

Website: www.namron.com

Email: post@namron.com

Phone: +47 2281 2770

Address:

Nedre kalbakkvei 88B, 1081, Oslo, Norway