

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: 3220201

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	8	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°)	620 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	8,0	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	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 ^(a)	Yes	If yes, equivalent power (W)	8	
		Chromaticity coordinates (x and y)	0,457 0,414	
Parameters for directional light sources:				
Peak luminous intensity (cd)	1 079	Beam angle in degrees, or the range of beam angles that can be set	38	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	89	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)	0,7	Stroboscopic effect metric (SVM)	0,1	

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report

Sample : 1
Specification : 3220201
Sample No. : 1
Manufacturer : EVERFINE

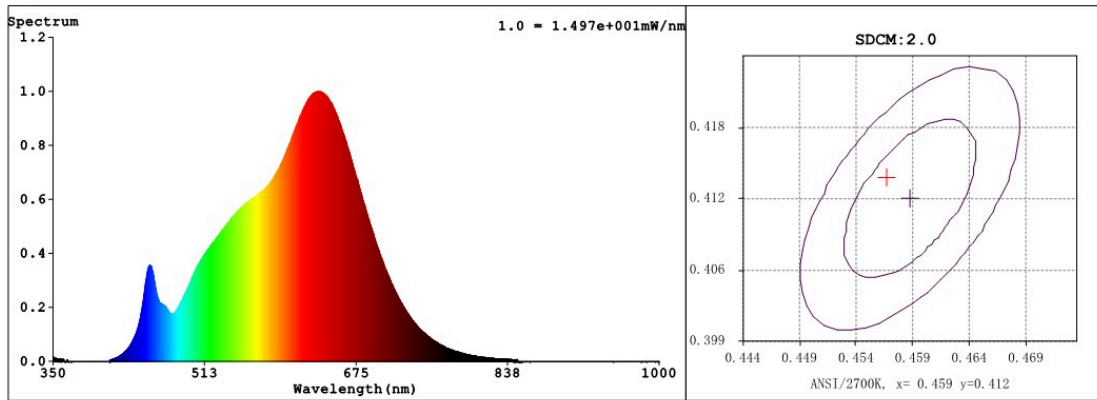
Date : 2021-05-17 15:07:39
Sam. Status :
Instrument : HAAS-2000(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 46647 (71%)
T : 429 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4570$ $y = 0.4139$ / $u' = 0.2592$ $v' = 0.5282$ ($duv=1.47e-03$) $Dx, Dy: 0.0025, 0.0046$

CCT= 2767K Prcp WL: $L_d=583.4nm$ Purity=61.4%

Peak WL: $L_p=634nm$ FWHM: $=155.7nm$ Ratio: R=26.5% G=70.9% B=2.6%

Render Index: $R_a = 98.1$ AvgR = 96.3

R1 =99 R2 =99 R3 =95 R4 =99 R5 =99 R6 =98 R7 =99

R8 =96 R9 =89 R10=95 R11=98 R12=86 R13=99 R14=96 R15=97

LEVEL:OUT WHITE:ANSI_2700K

Photometric & Radiometric Parameters

Flux = 650.32 lm Eff. : 82.06 lm/W $F_e = 2.4662 W$

(EQE):3081.8%

Flux of emitted photons($\mu mol/s$):12.35 Fluo. and blue light ratio:15.21 Fluorescent eff.:253.8

B: $2.4662e+003mW$

Electrical parameters

V = 230.9 V I = 0.03950 A P = 7.925 W PF = 0.8690

Kdisp(IEC) = 0.9464 Freq=49.99 Hz