

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: 3220262

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°)	730 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	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)	0,437 0,403
Parameters for directional light sources:			
Peak luminous intensity (cd)	1 227	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	97	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 : 3220219
Sample No. : 4
Manufacturer : EVERFINE

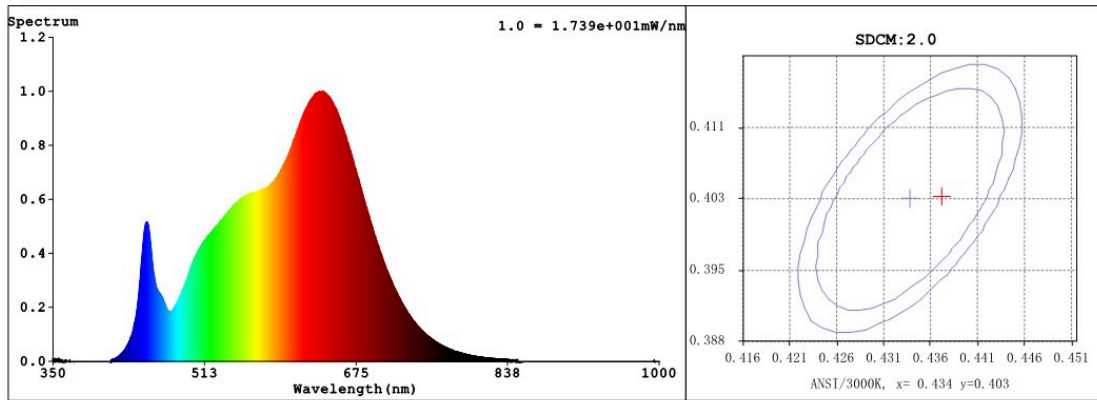
Date : 2021-05-20 15:03:01
Sam. Status :
Instrument : HAAS-2000(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 55589 (85%)
T : 463 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4372$ $y = 0.4033$ / $u' = 0.2511$ $v' = 0.5211$ ($duv = -3.64e-04$) $Dx, Dy: -0.0005, -0.0011$

CCT= 2989K Prcp WL: $L_d = 583.0\text{nm}$ Purity=52.3%

Peak WL: $L_p = 639\text{nm}$ FWHM: =166.7nm Ratio: R=25.3% G=71.8% B=2.9%

Render Index: $R_a = 97.3$ AvgR = 96.3 TM30:Rf=96 Rg=103

R1 =98 R2 =99 R3 =94 R4 =96 R5 =99 R6 =98 R7 =98

R8 =97 R9 =97 R10=96 R11=94 R12=87 R13=99 R14=95 R15=98

LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 778.83 lm Eff. : 79.69 lm/W $F_e = 2.9886\text{ W}$

Scotopic:1129.7 S/P:1.4505 (EQE):3136.3%

Flux of emitted photons($\mu\text{mol/s}$):14.87 Fluo. and blue light ratio:12.26 Fluorescent eff.:258.9

B: $2.9886e+003\text{mW}$

Electrical parameters

V = 230.9 V I = 0.04623 A P = 9.773 W PF = 0.9157

Kdisp(IEC) = 0.9519 Freq=49.99 Hz