

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: 3220224

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 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	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	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)	0,381 0,384	
Parameters for directional light sources:				
Peak luminous intensity (cd)	1 545	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	75	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.	Yes ^(b)	If yes then replacement claim (W)	10	
Flicker metric (Pst LM)	0,6	Stroboscopic effect metric (SVM)	0,1	

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report

Sample :
Specification : 3220224
Sample No. : 1
Manufacturer : EVERFINE

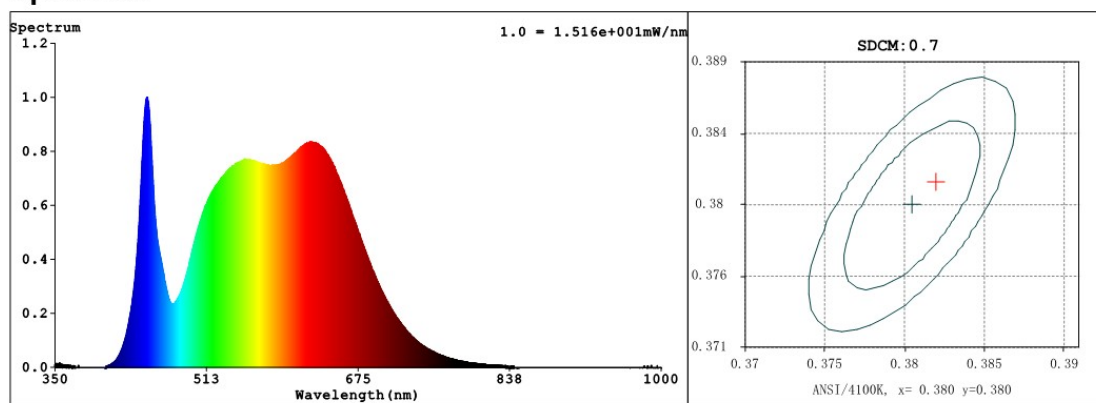
Date : 2021-11-30 17:35:44
Sam. Status :
Instrument : HAAS-2000(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 57026 (87%)
T : 447 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3815$ $y = 0.3814$ / $u' = 0.2239$ $v' = 0.5038$ ($duv=1.87e-03$) $Dx, Dy: 0.0013, 0.0048$

CCT= 4005K Prcp WL: $L_d=578.1nm$ Purity=29.0%

Peak WL: $L_p=449nm$ FWHM: $=19.1nm$ Ratio: R=19.6% G=76.9% B=3.5%

Render Index: $R_a = 91.2$ AvgR = 88.1 TM30: $R_f=91$ $R_g=101$

R1 =93 R2 =92 R3 =89 R4 =93 R5 =91 R6 =87 R7 =94

R8 =91 R9 =75 R10=79 R11=92 R12=69 R13=92 R14=93 R15=92

LEVEL:OUT WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 852.43 lm Eff. : 88.47 lm/W $F_e = 2.9493 W$

(EQE):2926.5%

Flux of emitted photons($\mu mol/s$):14.242 Fluo. and blue light ratio:6.125 Fluorescent eff.:253.1

B: $2.7258e+003mW$

Electrical parameters

$V = 230.9 V$ $I = 0.04339 A$ $P = 9.635 W$ PF = 0.9616

$K_{disp}(IEC) = 0.9748$ Freq=49.99 Hz

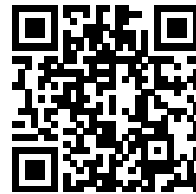
GBT5702

Gamut Index: $G_a=1.0$

C1 =96 C2 =76 C3 =71 C4 =91 C5 =91 C6 =78 C7 =82

C8 =95 C9 =96 C10=73 C11=94 C12=76 C13=91 C14=74 C15=95

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



EPREL registration number: 1121278

<https://eprel.ec.europa.eu/qr/1121278>

Supplier: NAMRON AS (Importer)

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