

Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

Supplier's name or trade mark: Nanoleaf

Supplier's address: Nanoleaf Europe, 11 Rue de Lourmel, 75015 Paris, FR

Model identifier: NL54U000

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	GU10		
Mains or non-mains:	MLS	Connected light source (CLS):	No
Colour-tuneable light source:	Yes	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	Yes	Dimmable:	No

Product parameters

Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	5	Energy efficiency class	G
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°)	290 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	2700...6500
On-mode power (P_{on}), expressed in W	5,0	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,20
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	80
Outer dimensions without separate control gear, lighting control	Height	58	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	50	
	Depth	50	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,460 0,409
Parameters for directional light sources:			
Peak luminous intensity (cd)	400	Beam angle in degrees, or the range of beam angles that can be set	60
Parameters for LED and OLED light sources:			
R9 colour rendering index value	51	Survival factor	1,00
the lumen maintenance factor	0,96		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,89	Colour consistency in McAdam ellipses	5
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)	0,1	Stroboscopic effect metric (SVM)	0,1

(a) '-': not applicable;

(b) '-': not applicable;

Name	Value	Unit
Φ	1.242E00	Watts
$\Phi(v)$	3.970E02	lumens
$\Phi(v')$	8.863E02	lm'
Chrom x	0.3089	
Chrom y	0.3333	
Chrom u	0.1937	
Chrom v	0.3134	
Duv	0.0073	
Chrom u'	0.1937	
Chrom v'	0.4700	
λ (peak)	454.0	nm
λ (center)	456.4	nm
λ (centroid)	540.8	nm
λ (dom)	491.7	nm
FWHM	25.3	nm
Purity	8.2	%
CCT	6667.0	°K
SDCM	2.9 F 6500	
Correlation	0.0054	
Corr. Coef.	0.00408287216707621	
RA	84.6423890875827	
R1	82.4	
R2	90.7	
R3	94.4	
R4	81.4	
R5	82.4	
R6	85.9	
R7	88.8	
R8	71	
R9	13.3	
R10	77.3	
R11	80.8	
R12	59	
R13	85.2	
R14	97.3	

