

Product Information Sheet

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

Supplier's name or trade mark: Rábalux

Supplier's address: Magyarország - Rábalux Világítástechnika Zrt., Körtefa 5., 9027 Győr, HU

Model identifier: 2714

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	LED		
Mains or non-mains:	MLS	Connected light source (CLS):	Yes
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	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	18	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°)	1 260 in Wide cone (120°)	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	4 000	
On-mode power (P_{on}), expressed in W	18,0	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,00	
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	0,00	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	81	
Outer dimensions without	Height	Spectral power distribution in the	See image in last page	
	Width			70
	Depth			250

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)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,394 0,389
Parameters for directional light sources:			
Peak luminous intensity (cd)	596	Beam angle in degrees, or the range of beam angles that can be set	120
Parameters for LED and OLED light sources:			
R9 colour rendering index value	-4	Survival factor	0,95
the lumen maintenance factor	0,90		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ 1)	0,50	Colour consistency in McAdam ellipses	5
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)	90
Flicker metric (Pst LM)	1,0	Stroboscopic effect metric (SVM)	0,4

(a) : not applicable;

(b) : not applicable;



Lighting Measure Report

Color Parameter

Chroma Coordinate: $x=0.3943$ $y=0.3894$ $u=0.2291$ $v=0.3394$

Chroma Coordinate: $u'=0.2291$ $v'=0.5091$

CCT: CCT=3742K Dominant: $d=578.9nm$ Barycenter: $b=573nm$ Peak Wavelength: $p=594.3nm$

FWHM: 141.1nm Purity: $P_e=35.22\%$ Red Ratio: $R=0.187$ Green Ratio: $G=0.779$ Blue Ratio: $B=0.033$

Color CRI: $R_a=81.35$

R 1=79	R 2=89	R 3=96	R 4=80	R 5=79	R 6=85	R 7=84
R 8=59	R 9=4	R 10=74	R 11=78	R 12=64	R 13=81	R 14=99
R 15=71						

Luminosity Parameter

Luminous Flux(380-780nm):1367.75lm Optical Power(380-780nm):4.045W Efficient(380-780nm):70lm/W

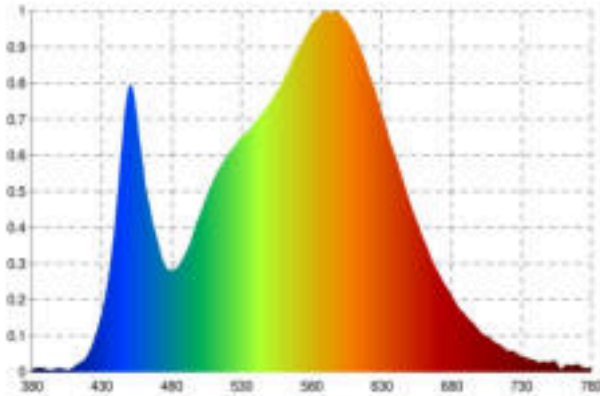
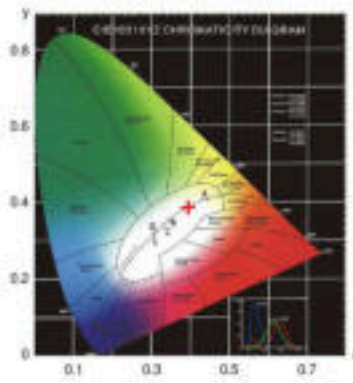
Electric Parameter

Voltage: $U=222.1V$ Current: $I=97mA$ Power: $P=19.54W$ PF: $PF=0.905$

Device State

Wavelength Range: 380nm-780nm Wavelength Interval: 1nm

CIE1931 Chroma Figure



Product Model: 2714
 Sample No.: 1
 Test Cond: $T_g=24.2Cels$ $T_a=24.6Cels$ $RH=60\%$
 Test Date: 2017-11-14

Manufacturer: ##
 Product Category: LED
 Measure Device: Volnic X10 Series CCD Spectrum System
 Operator(Sign): _____