

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

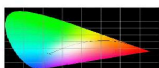
Product parameters

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		
	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)	-	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;



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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: $d=578.9\text{nm}$ Barycenter: $b=573\text{nm}$ Peak Wavelength: $p=594.3\text{nm}$

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

Color CRI.: $Ra=81.35$

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

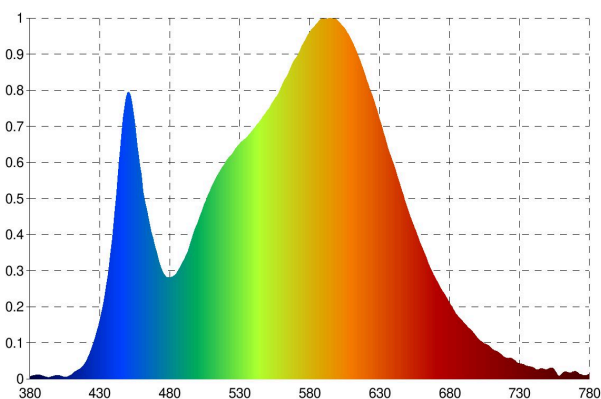
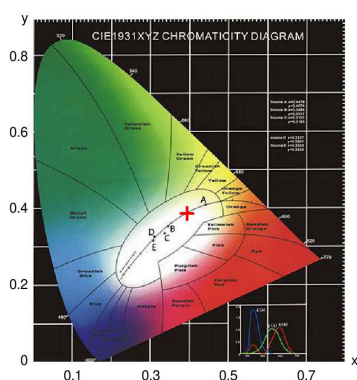
Electric Parameter

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

Device State

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

CIE1931 Chroma Figure



Product Model: 2714

Sample No.: 1

Test Cond: $T_g=24.2\text{Cels}$ $T_a=24.6\text{Cels}$ $RH=60\%$

Test Date: 2017-11-14

Manufacturer: 样

Product Category: LED

Measure Device: Volnic X10 Series CCD Spectrum System

Operator(Sign): _____