

# 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:** 2713

## 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:	Yes	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	Yes	Dimmable:	No

## Product parameters

Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	420 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	6,0	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 <sup>(a)</sup>	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,393 0,389
<b>Parameters for directional light sources:</b>			
Peak luminous intensity (cd)	596	Beam angle in degrees, or the range of beam angles that can be set	120
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	-6	Survival factor	0,95
the lumen maintenance factor	0,90		
<b>Parameters for LED and OLED mains light sources:</b>			
displacement factor (cos $\phi$ 1)	0,50	Colour consistency in McAdam ellipses	6
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	Yes <sup>(b)</sup>	If yes then replacement claim (W)	30
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:  $x=0.3937$   $y=0.3895$   $u=0.2287$   $v=0.3394$

Chroma Coordinate:  $u'=0.2287$   $v'=0.509$

CCT: CCT=3757K Dominant:  $d=579\text{nm}$  Barycenter:  $b=573\text{nm}$  Peak Wavelength:  $p=590.1\text{nm}$

FWHM: 141.2nm Purity:  $P_p=35.06\%$  Red Ratio:  $R=0.186$  Green Ratio:  $G=0.781$  Blue Ratio:  $B=0.033$

Color CRI:  $R_a=80.9$

R 1=78	R 2=88	R 3=96	R 4=79	R 5=79	R 6=84	R 7=84
R 8=59	R 9=6	R 10=72	R 11=78	R 12=64	R 13=81	R 14=98
R 15=71						

### Luminosity Parameter

Luminous Flux(380-780nm): 499.749lm Optical Power(380-780nm): 1.485W Efficient(380-780nm): 70.29lm/W

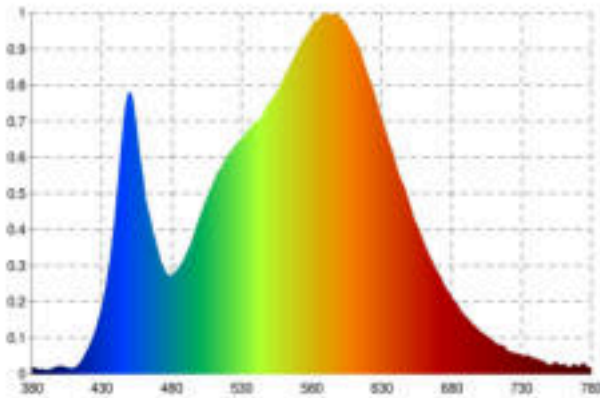
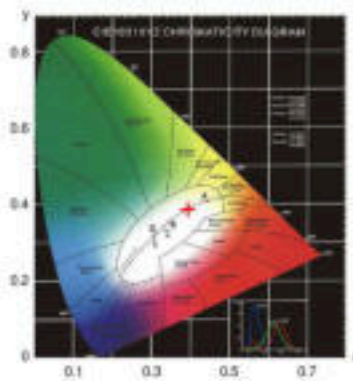
### Electric Parameter

Voltage:  $U=221.9\text{V}$  Current:  $I=61\text{mA}$  Power:  $P=7.11\text{W}$  PF:  $PF=0.516$

### Device State

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

CIE1931 Chroma Figure



Product Model: 2713  
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: ##  
Product Category: LED  
Measure Device: Volnic X10 Series CCD Spectrum System  
Operator(Sign): \_\_\_\_\_