

# 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:** 2336

## 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):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	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	16	Energy efficiency class	E
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°)	2 036 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	3 000
On-mode power ( $P_{on}$ ), expressed in W	16,0	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	-	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>	Yes	If yes, equivalent power (W)	80
		Chromaticity coordinates (x and y)	0,434 0,400
<b>Parameters for directional light sources:</b>			
Peak luminous intensity (cd)	162	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	0	Survival factor	0,58
the lumen maintenance factor	1,00		
<b>Parameters for LED and OLED mains light sources:</b>			
displacement factor (cos $\phi$ 1)	0,10	Colour consistency in McAdam ellipses	6
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)	0,8	Stroboscopic effect metric (SVM)	0,3

(a) : not applicable;

(b) : not applicable;

## Lighting Measure Report

### Color Parameter

Chroma Coordinate:  $x=0.4348$   $y=0.4007$   $u=0.2507$   $v=0.3465$

Chroma Coordinate:  $u=0.2507$   $v=0.5197$

CCT: CCT=3009K Dominant:  $\lambda_d=582.9\text{nm}$  Barycenter:  $\lambda_b=588\text{nm}$  Peak Wavelength:  $\lambda_p=602.6\text{nm}$

FWHM:  $\Delta\lambda=120.3\text{nm}$  Purity:  $P_p=50.83\%$  Red Ratio:  $R=0.227$  Green Ratio:  $G=0.746$  Blue Ratio:  $B=0.027$

Color CRI:  $R_a=81.19$

R 1=79	R 2=91	R 3=94	R 4=78	R 5=80	R 6=89	R 7=80
R 8=55	R 9=0	R 10=79	R 11=77	R 12=72	R 13=82	R 14=97
R 15=71						

### Luminosity Parameter

Luminous Flux(380-780nm): 2036.85lm Optical Power(380-780nm): 6.213W Efficient(380-780nm): 131.2lm/W

Mesopic Flux: (MES2)=2272.75lm (MES1)=2289.71lm (USP)=2489.66lm (MOVE)=2313.46lm

### Electric Parameter

Voltage:  $U=220.4\text{V}$  Current:  $I=121\text{mA}$  Power:  $P=15.52\text{W}$  PF:  $PF=0.578$

### Device State

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

SDCM: 2.7 SDCM

