

# 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:** 3509

## Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
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:	No		
Anti-glare shield:	No	Dimmable:	No

## Product parameters

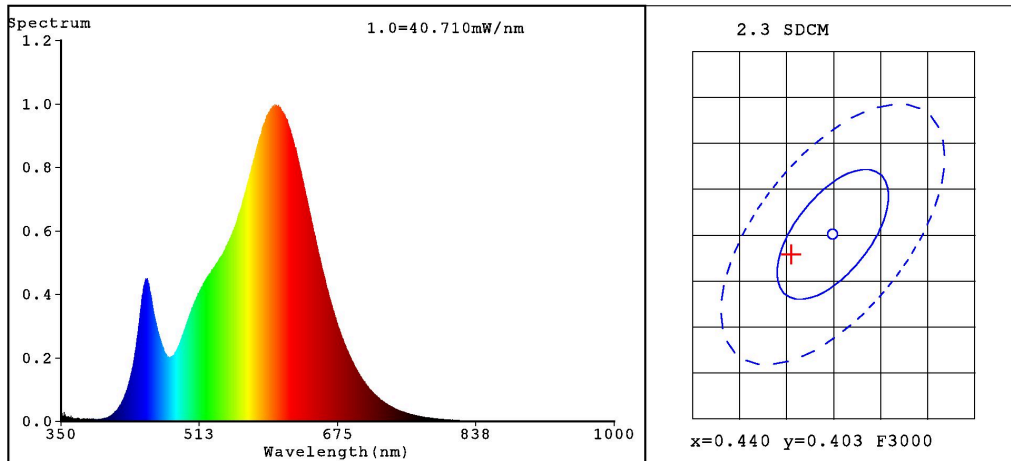
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	24	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 800 in Sphere (360°)	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	24,0	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	82
Outer dimensions without	Height	90	Spectral power distribution in the
	Width	400	
	Depth	400	
			See image in last page

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)	0,435 0,401
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	5	Survival factor	0,90
the lumen maintenance factor	0,80		
<b>Parameters for LED and OLED mains light sources:</b>			
displacement factor (cos $\phi_1$ )	0,70	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)	1,0	Stroboscopic effect metric (SVM)	0,4

(a): not applicable;

(b): not applicable;

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4355$   $y=0.4008$   $u'=0.2511$   $v'=0.5199$   
 CCT=2997K (Duv=-0.0011) Dominant WL:Ld =583.2nm Purity=51.0%  
 Ratio:R=22.9% G=74.4% B=2.7% Peak WL:Lp=601.1nm FWHM=123.0nm  
 Render Index:Ra=82.4 AvgR=77.1  
 R1 =81 R2 =91 R3 =95 R4 =80 R5 =82 R6 =90 R7 =82  
 R8 =58 R9 =5 R10=81 R11=80 R12=77 R13=83 R14=98 R15=73

**Photo Parameters:**

Flux = 2160 lm Eff. : 93.51 lm/W Fe = 6.036 W

**Electrical parameters:**

V = 230.34 V I = 0.1322 A P = 23.10 W PF = 0.7584

LEVEL:OUT

Status: Integral T = 984 ms Ip = 49413 (75%)