

# 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:** 3910

## 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:	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	12	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°)	554 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	3 800	
On-mode power ( $P_{on}$ ), expressed in W	12,0	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	Spectral power distribution in the	See image in last page	
	Width			45
	Depth			595
			125	

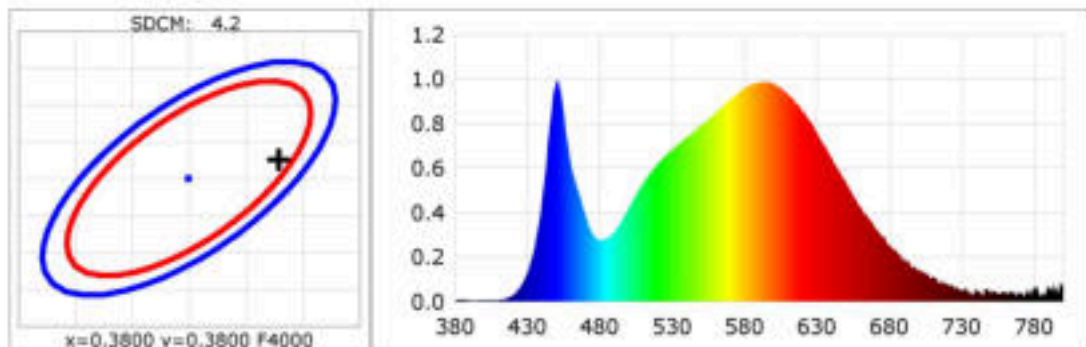
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load
Claim of equivalent power <sup>(a)</sup>	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,388 0,382
<b>Parameters for directional light sources:</b>			
Peak luminous intensity (cd)	1	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	8	Survival factor	0,90
the lumen maintenance factor	0,80		
<b>Parameters for LED and OLED mains light sources:</b>			
displacement factor (cos $\phi_1$ )	0,90	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;

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3879$   $y=0.3825$   $u(u')=0.2277$   $v=0.3368$   $v'=0.5052$   
CCT:  $T_c=3847K$  ( $duv=0.00058$ ) Color Ratio:  $R=0.186$   $G=0.780$   $B=0.034$   
Peak Wavelength: 451nm Half Bandwidth: 24.2nm  
Dominant Wavelength: 579.3nm Color Purity: 0.312  
CRI:  $R_i$ :  $R_a=82.0$   
R1 =80 R2 =88 R3 =94 R4 =80 R5 =80 R6 =84 R7 =85 R8 =64  
R9 =8 R10=72 R11=78 R12=60 R13=82 R14=97 R15=74



### Photometric Parameters

Luminous Flux: 554.9 lm Efficiency: 44.57 lm/W Radiant Power: 1.693 W  
Pupil Flux: 809.3 Plm Pupil Lumens Per Watt: 65.01 Plm/W Pupil Factor (Kp): 1.458  
Cirtopic Flux: 1606.1 lm

### Electric Parameters

Voltage: 220.10V Current: 0.1180A Power: 12.45W  
Power Factor: 0.4770 Frequency: 50.00Hz

#### Test Information

Scan Range: 380nm~800nm:1nm  
Stabilization Time: 30 Sec  
Max of Signal: 45933 (3707)

Photometric Method:  
Photometric Condition: Sphere diameter: 1.50m, 4T  
CCD Integration Time: 1426.40 ms