

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
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	12	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°)	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		
	Depth		

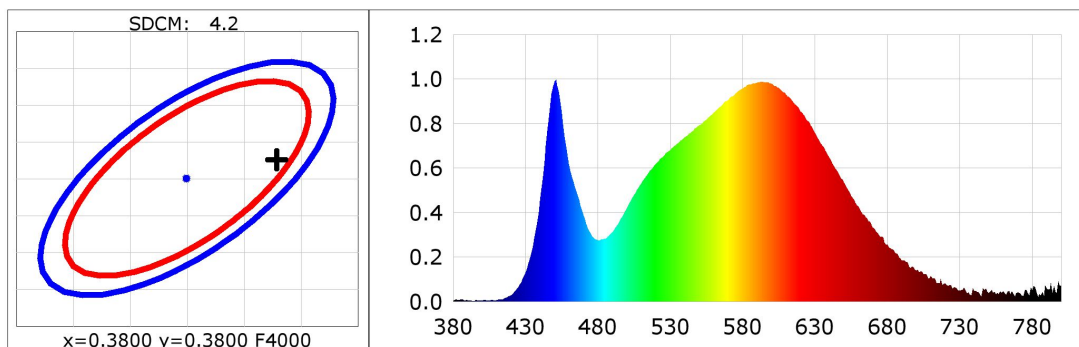
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,388 0,382	
Parameters for directional light sources:				
Peak luminous intensity (cd)	1	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	8	Survival factor	0,90	
the lumen maintenance factor	0,80			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_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 : $R_a=82.0$
 $R_1=80$ $R_2=88$ $R_3=94$ $R_4=80$ $R_5=80$ $R_6=84$ $R_7=85$ $R_8=64$
 $R_9=8$ $R_{10}=72$ $R_{11}=78$ $R_{12}=60$ $R_{13}=82$ $R_{14}=97$ $R_{15}=74$



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 (K_p): 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, 4 π
CCD Integration Time: 1426.40 ms