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: 3909

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	8	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	321 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	8,0	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	83
Outer dimensions without — Height	45	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	450		
Outer dimensions without — Depth	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[(a)]	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,382 0,380
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	14	Survival factor	0,90
the lumen maintenance factor	0,80		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ1)	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

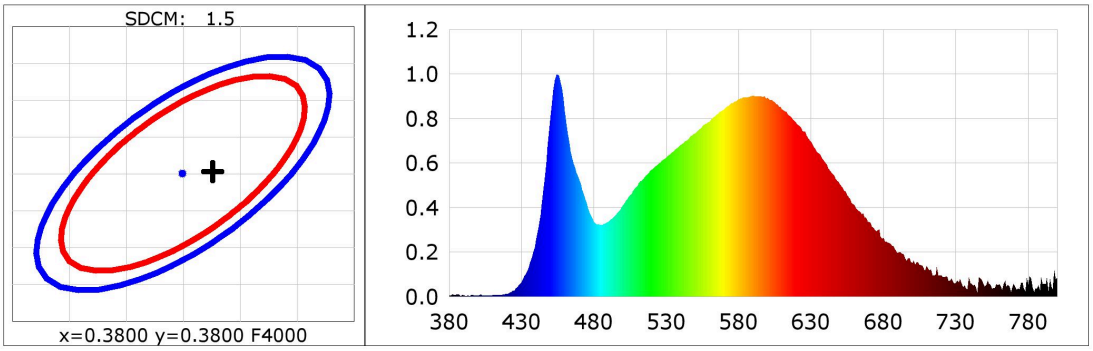
[(a)] '-' : not applicable;

[(b)] '-' : not applicable;

CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3826 y=0.3803 u(u')=0.2251 v=0.3356 v'=0.5035
CCT: Tc=3968K (duv=0.00101) Color Ratio: R=0.183 G=0.777 B=0.040
Peak Wavelength: 455nm Half Bandwidth: 25.8nm
Dominant Wavelength: 578.7nm Color Purity: 0.290
CRI: Ri: Ra= 83.3

R1 =82	R2 =91	R3 =96	R4 =79	R5 =81	R6 =87	R7 =85	R8 =65
R9 =14	R10=78	R11=77	R12=60	R13=84	R14=98	R15=76	



Photometric Parameters

Luminous Flux: 321.7 lm Efficiency: 38.95 lm/W Radiant Power: 1.005 W
Pupil Flux: 487.9 Plm Pupil Lumens Per Watt: 59.07 Plm/W Pupil Factor (Kp): 1.517
Cirtopic Flux: 1002.5 lm

Electric Parameters

Voltage: 219.90V Current: 0.0870A Power: 8.26W
Power Factor: 0.4280 Frequency: 49.99Hz

Test Infomation
Scan Range: 380nm~800nm:1nm Photometric Method:
Stabilization Time: 30 Sec Photometric Condition: Sphere diameter: 1.50m, 4∏
Max of Signal: 46897 (3918) CCD Integration Time: 2194.11 ms