

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: 4545

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):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
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	14	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°)	840 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	4 000	
On-mode power (P_{on}), expressed in W	14,0	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	84	
Outer dimensions without	Height	Spectral power distribution in the	See image in last page	
	Width			150
	Depth			50

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)	Yes	If yes, equivalent power (W)	62	
		Chromaticity coordinates (x and y)	0,367 0,368	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	23	Survival factor	0,90	
the lumen maintenance factor	0,90			
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.	Yes ^(b)	If yes then replacement claim (W)	14	
Flicker metric (Pst LM)	0,7	Stroboscopic effect metric (SVM)	0,3	

(a): not applicable;

(b): not applicable;

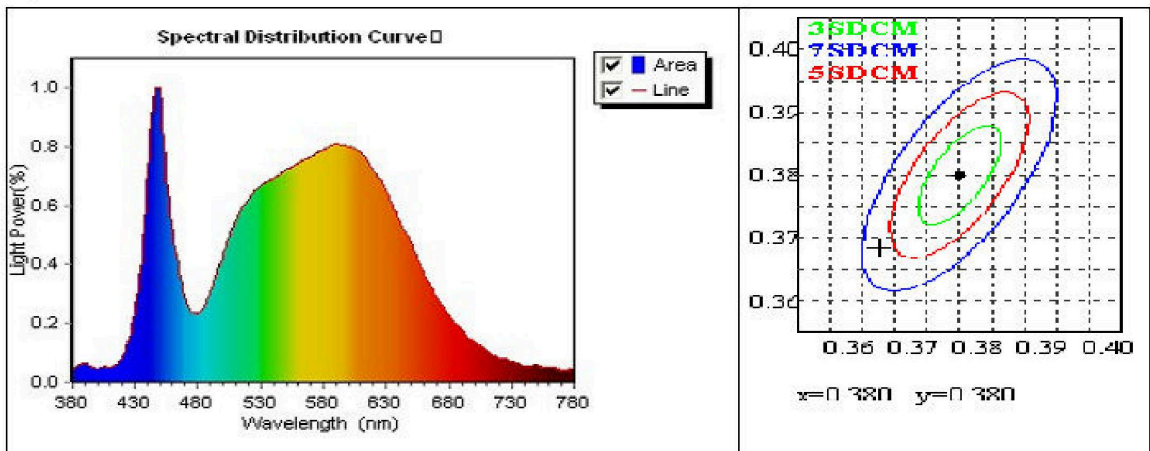
Spectral test report for lamp

Product type : Test date. 2017-10-18
Product No. : Test equipment : SPEC1000A Spectrometer
Manufacturer : Operator. :

Test Condition

Temperature : 25.0Deg C Humidity : 65%
Test range : 380nm-780nm Peak AD. : 27350 (41.7%)
Integral time. : 720ms

Spectral Parameter



光谱分布

SDCM=5.9 SDCM Color Difference Chart

CIE Color Parameter

Chromaticity coordinates: $x=0.3675$ $y=0.3684$ $u=0.2199$ $v=0.3306$ ($duv=0.0000$)
Color temperature: $TC=4317$ K Color difference: $SDCM=5.9$ Main Wavelength: $\lambda_d=484.04$ nm Purity: $Purity=0.205$
Peak wavelength: $\lambda_p=447.5$ nm FWHM: $\Delta\lambda_p=23.3$ nm Color ratio: $R=19.09\%$ $G=77.67\%$ $B=3.24\%$

Color rendering index (Ra): $Ra=84.3$

$R1=83.7$ $R2=87.6$ $R3=90.5$ $R4=85.4$ $R5=83.6$ $R6=82.9$ $R7=88.3$ $R8=72.2$
 $R9=23.3$ $R10=70.4$ $R11=85.0$ $R12=64.1$ $R13=84.7$ $R14=94.5$ $R15=79.2$

Optical Parameter

Luminous flux: 902.345 lm Luminous efficiency: 73.36 lm/W Radiant flux: 2.895 W

Electrical Parameter

Voltage: 221.3 V Current: 0.059 A Watto: 12.30 W Power factor: 0.939

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