

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: 1444

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	4	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°)	250 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	4,0	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	84	
Outer dimensions without	Height	Spectral power distribution in the	See image in last page	
	Width			445
	Depth			70

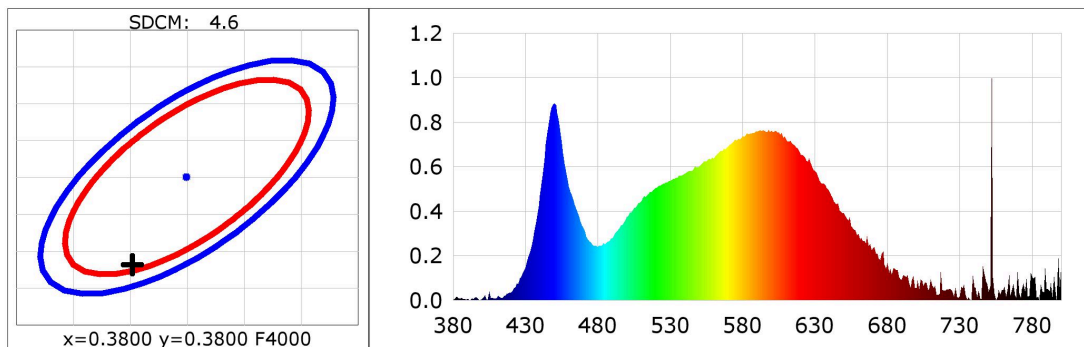
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,375 0,368
Parameters for directional light sources:			
Peak luminous 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	13	Survival factor	1,00
the lumen maintenance factor	1,00		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	1,00	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: $x=0.3752$ $y=0.3681$ $u(u')=0.2251$ $v=0.3313$ $v'=0.4969$
CCT: $T_c=4084K$ ($duv=-0.00254$) Color Ratio: $R=0.184$ $G=0.778$ $B=0.038$
Peak Wavelength: 752nm Half Bandwidth: 1.1nm
Dominant Wavelength: 580.4nm Color Purity: 0.231
CRI: R_i : $R_a=84.1$
 $R_1=83$ $R_2=90$ $R_3=95$ $R_4=83$ $R_5=84$ $R_6=86$ $R_7=85$ $R_8=66$
 $R_9=13$ $R_{10}=76$ $R_{11}=83$ $R_{12}=67$ $R_{13}=85$ $R_{14}=97$ $R_{15}=78$



Photometric Parameters

Luminous Flux: 252.3 lm Efficiency: 54.50 lm/W Radiant Power: 0.790 W
Pupil Flux: 386.5 Plm Pupil Lumens Per Watt: 83.48 Plm/W Pupil Factor (Kp): 1.532
Cirtopic Flux: 792.9 lm

Electric Parameters

Voltage: 220.10V Current: 0.0290A Power: 4.63W
Power Factor: 0.7280 Frequency: 50.00Hz

Test Information

Scan Range: 380nm~800nm:1nm
Stabilization Time: 1 Min
Max of Signal: 45461 (5279)

Photometric Method:
Photometric Condition: Sphere diameter: 1.50m, 4 π
CCD Integration Time: 7121.29 ms

Condition: $T_x=28.3^{\circ}C$, $T_i=28.3^{\circ}C$
Test Lab:
Operator:

Test Device: Inventfine CMS-2S (Plus)
Test Time: 2018-09-01 09:29:36
Inspector: