

# 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:** Felelős egység neve, Körtefa utca 4, HU

**Model identifier:** 5216

## 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):	Nem
Colour-tuneable light source:	Igen	Envelope:	-
High luminance light source:	Igen		
Anti-glare shield:	Igen	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	4	Energy efficiency class	E	
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°)	400 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	-	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	80...100	
Outer dimensions without	Height	Spectral power distribution in the	See image in last page	
	Width			310
	Depth			20

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)	0,500 0,500
<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	9	Survival factor	1,00
the lumen maintenance factor	1,00		
<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;

### Spectral test report for lamp

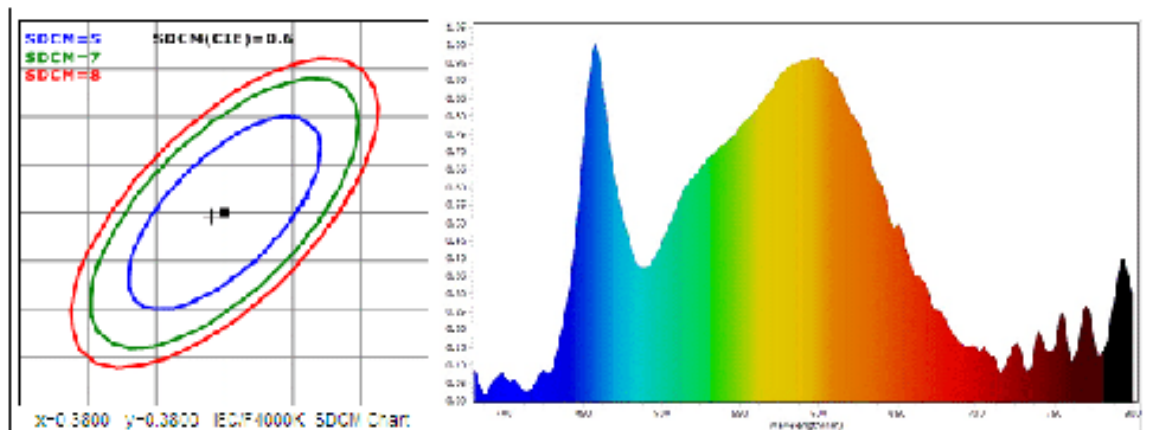
Product type :	Test time :	2019-10-17 09:10:15
Product No. : 0216	Test equipment :	SPB-U-2000A Spectrometer
Manufacturer :	Operator :	

### CIE Color Parameter

Chromaticity coordinates:  $x=0.3707$   $y=0.3795$   $u=0.2229$   $v=0.3150$   $u'=0.2229$   $v'=0.5025$   
 Color temperature: 4070 K (duv =0.00170) Color difference:SDCM(CIE) 0.0 Main Wld: 485.02 nm Purity: 0.172  
 Peak wavelength:  $\lambda_p=456.9$  nm Centroid wavelength: 569.7 nm FWHM:  $\Delta\lambda_p=31.0$  nm Color ratio: R=0.194 G=0.767 B=0.039

Color rendering Index (Ra): Ra=82.7

R1=78.8 R2=89.0 R3=98.0 R4=82.4 R5=83.8 R6=83.2 R7=81.1 R8=89.2  
 R9=8.9 R10=78.1 R11=80.4 R12=82.2 R13=81.6 R14=89.4 R15=71.6



### Optical Parameter

Luminous flux: 410.71 lm	Luminous efficiency: 81.57 lm/W	Radiant flux: 1.380 W
Energy efficiency index (EEI): 0.119	Energy efficiency class: A+ (EU 874/2012)	
Mesopic vision flux (lm): USP=679.625	MOVE=403.965	MES1=331.504
	MES2=360.814	

### Electrical Parameter

Voltage(V): 221.28 Current(A): 0.0335 Watts(W): 4.549 Powerfactor: 0.9315

### Test Information

Temperature :	25.00 Deg C	Humidity :	65%
Test range :	300-300nm : 1nm	Peak AD :	49501 (75.7%)
Physical time :	3.0 (min)	Integral time :	1216.03 (ms)

### MEASUREFINE

Hangzhou Huipu Instrument Co., Ltd. <http://www.measurefine.com>