# 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 |
|---|---|---|---|
| **General product parameters:** | | | |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer | 4 | Energy efficiency class | E |
| 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) | 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 | 30 | Spectral power distribution in the | See image in last page |
| Outer dimensions without — Width | 310 | | |
| Outer dimensions without — 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[(a)] | | - | If yes, equivalent power (W) | - |
| | | | Chromaticity coordinates (x and y) | 0,500<br>0,500 |
| **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 | | 9 | Survival factor | 1,00 |
| the lumen maintenance factor | | 1,00 | | |
| **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;

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# Spectral test report for lamp

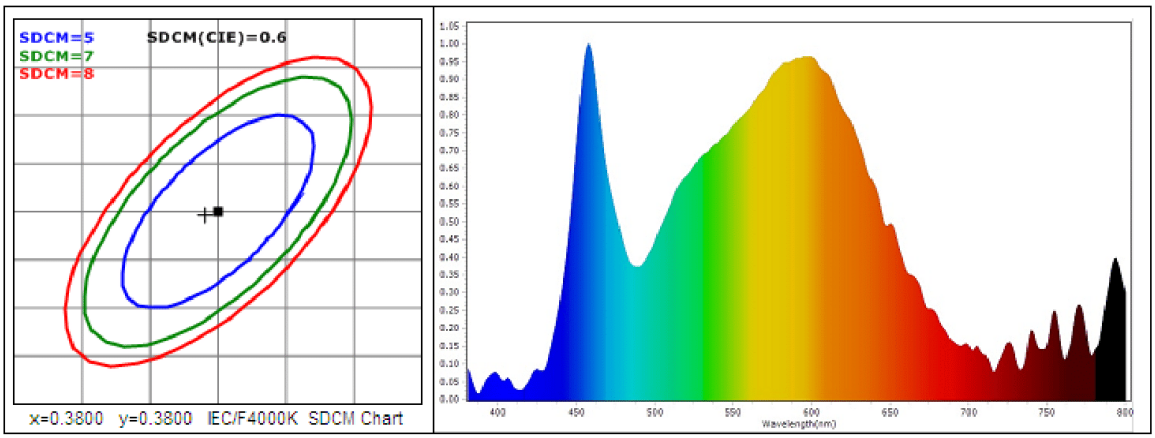
Product type :
Product No. : 5216
Manufacturer :

Test time : 2019-10-17 09:13:15
Test equipment : SPEC-2000A Spectrometer
Operator :

## CIE Color Parameter

Chromaticity coordinates:x=0.3787 y=0.3795 u=0.2229 v=0.3350 u^=0.2229 v^=0.5025
Color temperature:4070 K (duv=+0.00176) Color difference:SDCM(CIE)=0.6 Main Wl:λd=485.02 nm Purity: 0.172
Peak wavelength:λp=456.9 Centroid wavelength:569.7 nm FWHM:△λp=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=89.5 R3=98.0 R4=82.4 R5=83.8 R6=88.2 R7=81.4 R8=59.2
R9=3.9 R10=76.1 R11=80.4 R12=62.2 R13=81.6 R14=99.4 R15=71.6




## Optical Parameter

Luminous flux: 415.71 lm luminous efficiency:91.57 lm/w Radiant flux: 1.385 W
Energy efficiency index(EEI): 0.119 Energy efficiency class:A+ (EU 874/2012)
Mesoptic vision flux(lm): USP=679.525 MOVE=408.965 MES1=361.504 MES2=360.814

## Electrical Parameter

Voltage(V): 221.28 Current(A): 0.0385 Watte(W): 4.540 Power factor: 0.5315

### Test Infomation

Temperature :25.0Deg C
Test range :380-800nm : 1nm
Preheat time :0(min)

Humidity :65%
Peak AD. :49601 (75.7%)
Integral time. :1216.03 (ms)

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