

Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

Supplier's name or trade mark: ELMARK

Supplier's address: ELMARK INDUSTRIES SC, bul.Dobrudja 2, 9300 Dobrich Dobrich, BG

Model identifier: 916LED05

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	Integrated LED		
Mains or non-mains:	NMLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

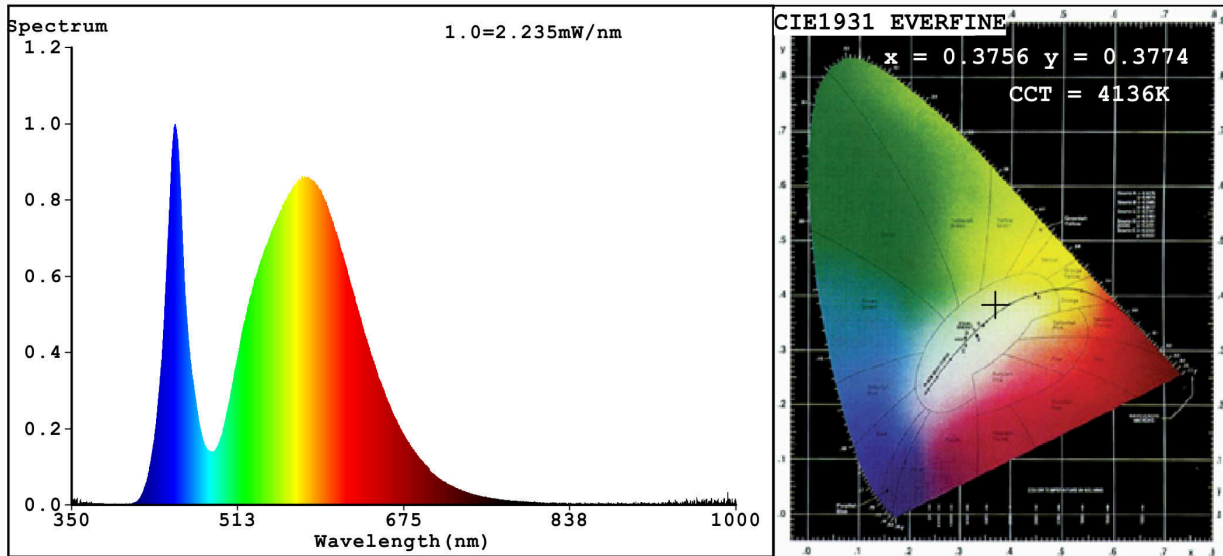
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	1	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	100 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	1,0	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	71
Outer dimensions without	Height	Spectral power distribution in the	See image in last page
	Width		
	Depth		

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 0,377
Parameters for directional light sources:			
Peak luminous intensity (cd)	451	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	0	Survival factor	0,50
the lumen maintenance factor	0,93		

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3756$ $y=0.3774$ / $u'=0.2217$ $v'=0.5011$
 CCT=4136K (Duv=0.0017) Dominant WL: $L_d = 577.6\text{nm}$ Purity=26.0%
 Ratio: R=16.0% G=81.2% B=2.7% ; Peak WL: $L_p = 451.6\text{nm}$ FWHM=21.5nm
 Render Index: Ra=71.1
 R1 =67 R2 =79 R3 =87 R4 =68 R5 =67 R6 =69 R7 =81
 R8 =51 R9 =0 R10=49 R11=61 R12=37 R13=69 R14=92 R15=62

Photo Parameters:

Flux = 106.6 lm Eff. : 104.70 lm/W $F_e = 308.6$ mW

Electrical parameters:

V = 12.183 V I = 0.08360 A P = 1.018 W PF = 1.000

WHITE: ANSI_4000K

Status: Integral T = 250 ms $I_p = 40455$ (62%)

Model: CAB-16_1W
 Tester: Petya Marinova
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 916LED05
 Date: 2015-04-15 09:23
 Humidity: 65.0%
 Remarks: P0001901