

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: 98GENEVA200SMD

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:	MLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
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	200	Energy efficiency class	D
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°)	26 000 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	5 500
On-mode power (P_{on}), expressed in W	196,7	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	74
Outer dimensions without separate control gear, lighting control	Height	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

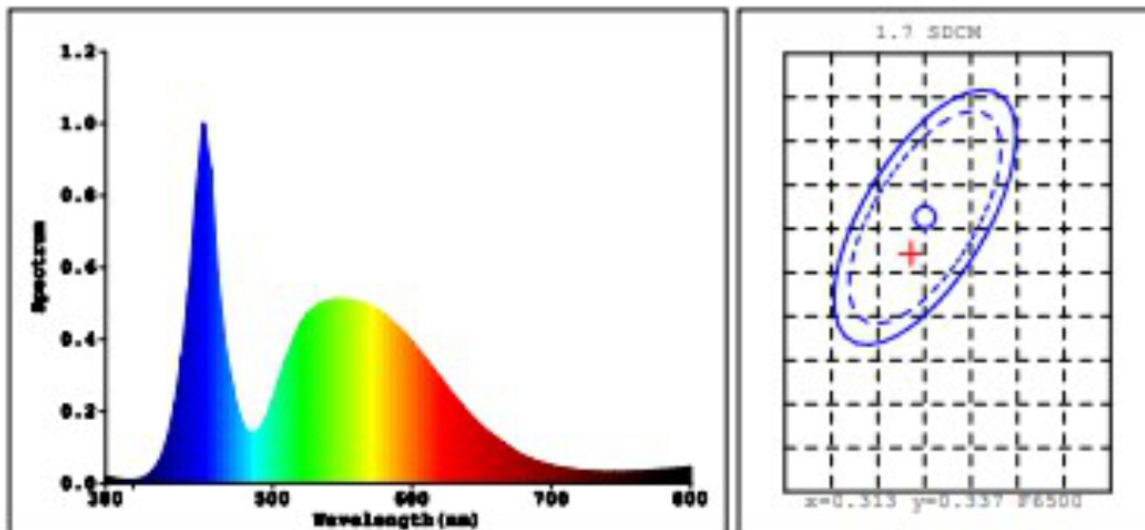
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,311 0,333	
Parameters for directional light sources:				
Peak luminous intensity (cd)	10 094	Beam angle in degrees, or the range of beam angles that can be set	116	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	-25	Survival factor	0,50	
the lumen maintenance factor	0,95			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,90	Colour consistency in McAdam ellipses	9	
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)	0,0	Stroboscopic effect metric (SVM)	0,0	

(a) '-': not applicable;

(b) '-': not applicable;

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Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3117$ $y=0.3337$ Chromaticity Coordinate: $u'=-0.1954$ $v'=0.4707$ ($duv=6.09e-03$)

Tc=6523K Dominant WL:Ld=491.9nm Purity=7.3% Centroid WL:542.0nm

Ratio:R=13.2% G=82.8% B=4.0% Peak WL:Lp=450.0nm HWL:23.3nm

Render Index:Ra=74.1

R1 =71 R2 =78 R3 =81 R4 =75 R5 =73 R6 =70 R7 =84

R8 =62 R9 =-25 R10=46 R11=72 R12=44 R13=72 R14=89 R15=66

Photo Parameters:

Flux: 21911 lm Φ_e : 70.177 W Efficacy:111.4 lm/W

Electrical Parameters:

Lamp : U=230.1V I=0.8780A P=196.7W PF=0.9730

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]

REF=6504 (R=1)

 $\theta=-0.109^\circ$

Ip=49069 (G=3, D=50)

PMT: 28.1 centigrade [31.6]

Product Type:5182936 HL117-200W

Number:3

Temperature:25.3 deg

Test Operator:

Software:V2.00.129

Manufacturer:

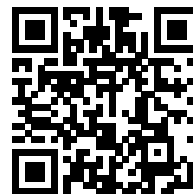
Test Department:

Humidity:65.0%

Test Date:2021-05-27

Instrument:PMS-80_V1 (SN:G107113CA8321127)

Model placed on the Union market from 09/09/2022



EPREL registration number: 1243960

<https://eprel.ec.europa.eu/qr/1243960>

Supplier: ELMARK INDUSTRIES SC (Importer)

Website: www.elmarkholding.eu

Customer care service:

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