

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: 98GENEVA100SMD

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	100	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°)	12 000 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	100,0	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	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		

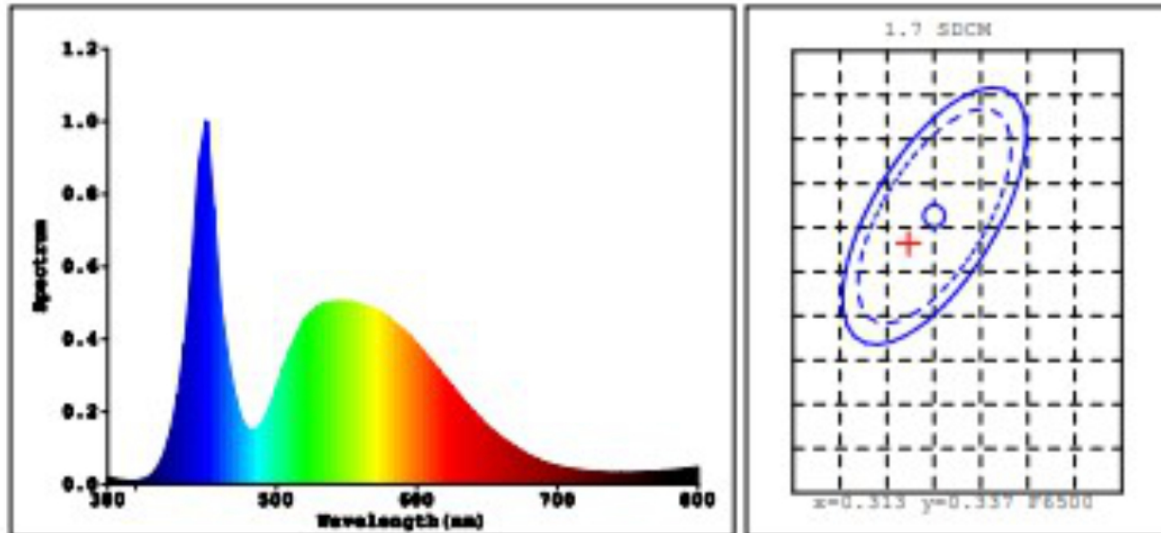
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,310 0,334	
Parameters for directional light sources:				
Peak luminous intensity (cd)	5 265	Beam angle in degrees, or the range of beam angles that can be set	115	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	-21	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	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)	0,0	Stroboscopic effect metric (SVM)	0,0	

(a) '-': not applicable;

(b) '-': not applicable;

1

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3106$ $y=0.3345$ Chromaticity Coordinate: $u'=0.1943$ $v'=0.4709$ ($duv=7.05e-03$)

Tc=6574K Dominant WL:Ld=492.4nm Purity=7.6% Centroid WL:542.0nm

Ratio:R=13.2% G=82.8% B=4.0% Peak WL:Lp=450.0nm HWL:22.2nm

Render Index:Ra=74.8

R1 =72 R2 =78 R3 =82 R4 =76 R5 =74 R6 =71 R7 =84

R8 =63 R9 =-21 R10=47 R11=74 R12=47 R13=73 R14=90 R15=67

Photo Parameters:

Flux: 10440 lm Fe: 33.648 W Efficacy:106.5 lm/W

Electrical Parameters:

Lamp : U=230.2V I=0.4280A P=98.00W PF=0.9940

Instrument Status:

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

REF=31279(R=2)

 $\phi=-0.0518$

Ip=25283(G=3,D=47)

PMT: 21.3 centigrade [20.8]

Product Type:1202101 HL117高顶灯 100WManufacturer:

Number:5

Temperature:25.3 deg

Test Operator:

Software:V2.00.129

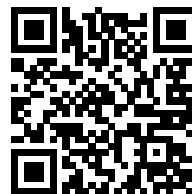
Test Department:

Humidity:65.0%

Test Date:2021-03-12

Instrument:PMS-80_V1 (SN:G107113CA8321127)

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



EPREL registration number: 1243951

<https://eprel.ec.europa.eu/qr/1243951>

Supplier: ELMARK INDUSTRIES SC (Importer)

Website: www.elmarkholding.eu

Customer care service:

Name: ELMARK INDUSTRIES SC

Website: www.elmarkholding.eu

Email: eelabels@elmarkholding.eu

Phone: +35952575545

Address:

bul.Dobrudja 2
9300 Dobrich
Bulgaria