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: 99XLED317

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

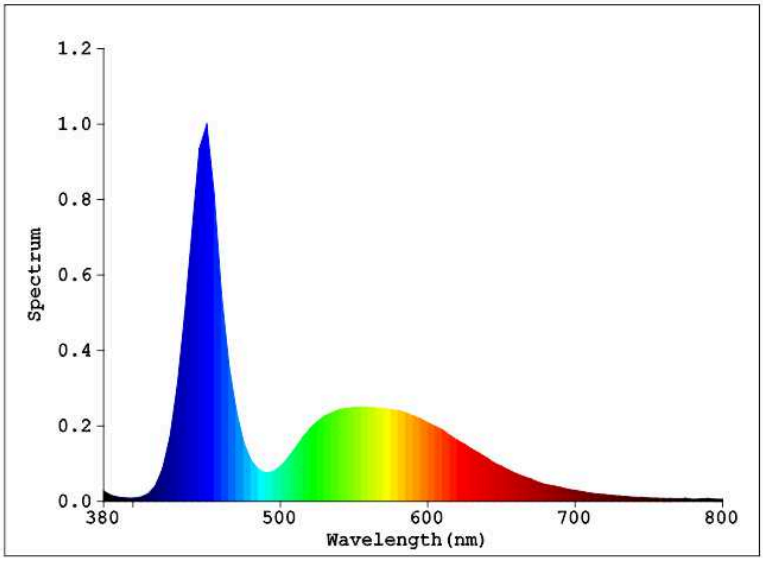
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	14	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	960 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	6 500
On-mode power (P_{on}), expressed in W	9,3	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	1 000	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	10		
Outer dimensions without — Depth	3		

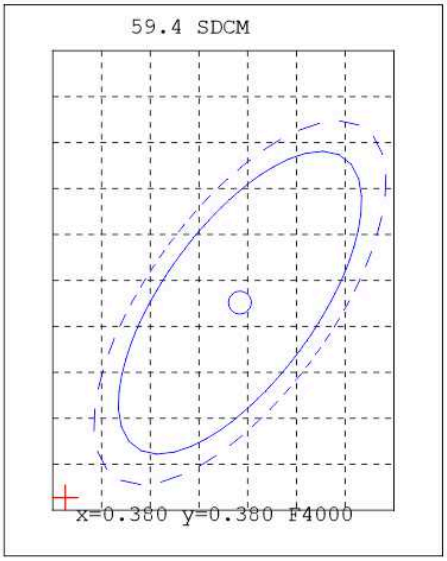
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,307 0,318
Parameters for directional light sources:				
Peak luminous intensity (cd)		445	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		20	Survival factor	0,50
the lumen maintenance factor		0,93		

(a) '-' : not applicable;

(b) '-' : not applicable;

Light Source Test Report





Color Parameters:

Chromaticity Coordinate:x=0.2692 y=0.2309

Chromaticity Coordinate:u'=0.2058 v'=0.3972(duv=-2.46e-02)

Tc=32060K Dominant WL:Ld=460.2nm Purity=33.8% Centroid WL:507.0nm

Ratio:R=14.4% G=79.1% B=6.6% Peak WL:Lp=450.0nm HWL:26.2nm

Render Index:Ra=78.8

R1 =83	R2 =78	R3 =57	R4 =92	R5 =82	R6 =63	R7 =84	
R8 =91	R9 =79	R10=40	R11=88	R12=43	R13=80	R14=75	R15=92

Photo Parameters:

Flux: 458.27 lm Fe: 1.9137 W Efficacy:47.88 lm/W

Electrical Parameters:

Lamp : U=12.10V I=0.7911A P=9.572W PF=1.000

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=43626(G=5,D=48)

REF=13867(R=3) %=-0.254% PMT: 20.8 centigrade [150.0]

Product Type:12V-5050
Number:5
Temperature:25.3 deg
Test Operator:TAO
Software:V2.00.128

Manufacturer: 99XLED317
Test Department:
Humidity:65.0%
Test Date:2021-12-18 10:14:32
Instrument:PMS-80_V1 (SN:G107113CJ6321126)