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: 9EL1181840

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:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

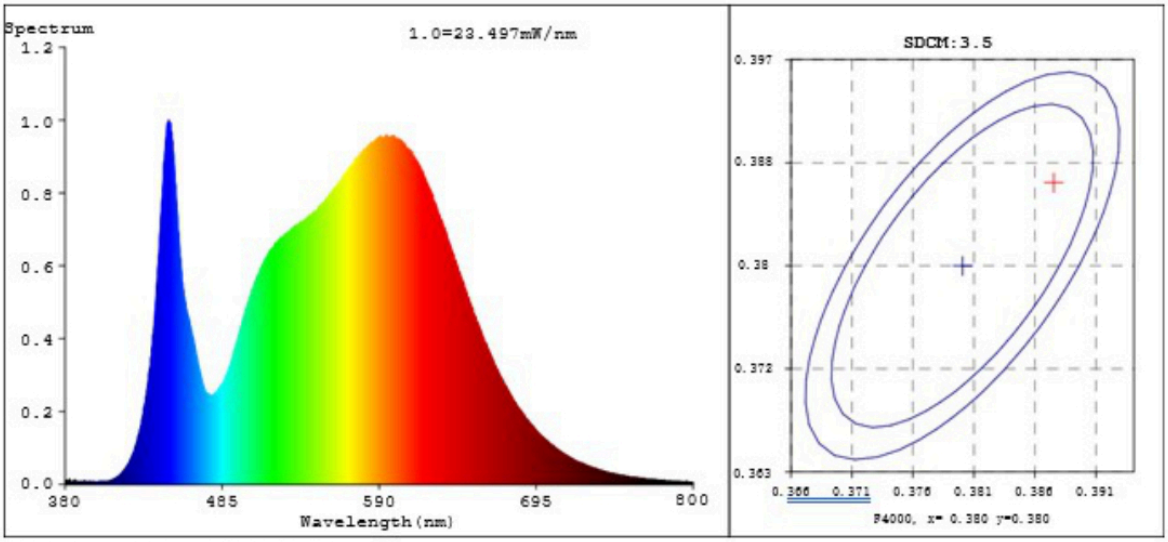
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 300 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	17,8	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	83
Outer dimensions without separate control gear, lighting control — Height	610	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	53		
Depth	28		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,387 0,386
Parameters for directional light sources:				
Peak luminous intensity (cd)		458	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		10	Survival factor	0,50
the lumen maintenance factor		0,95		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,50	Colour consistency in McAdam ellipses	1
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;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.3875 y=0.3868/u'=0.2257 v'=0.5070

CCT=3890K(Duv=0.0026) Dominant WL:Ld =578.2nm WL:Lc = --nm Purity=32.4%

Ratio:R=18.6% G=78.1% B=3.3% Peak WL:Lp=449.3nm FWHM=19.9nm

Render Index:Ra=83.4 AvgR=76.7 TM30:Rf=85 Rg=96

Eff(PPF)=1.00235

R1 =81	R2 =88	R3 =95	R4 =83	R5 =82	R6 =85	R7 =87	
R8 =65	R9 =10	R10=73	R11=83	R12=63	R13=83	R14=97	R15=75

Photo Parameters:

Flux = 1300 lm Eff. : 72.67 lm/W Fe = 3.914 W

Electrical parameters:

V = 228.82 V I = 0.1488 A P = 17.89 W PF = 0.5256

LEVEL:OUT WHITE:ANSI 4000K

Status: Integral T = 787 ms Ip = 35173 (54%)