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: 99DS401

Type of light source:

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

Product parameters

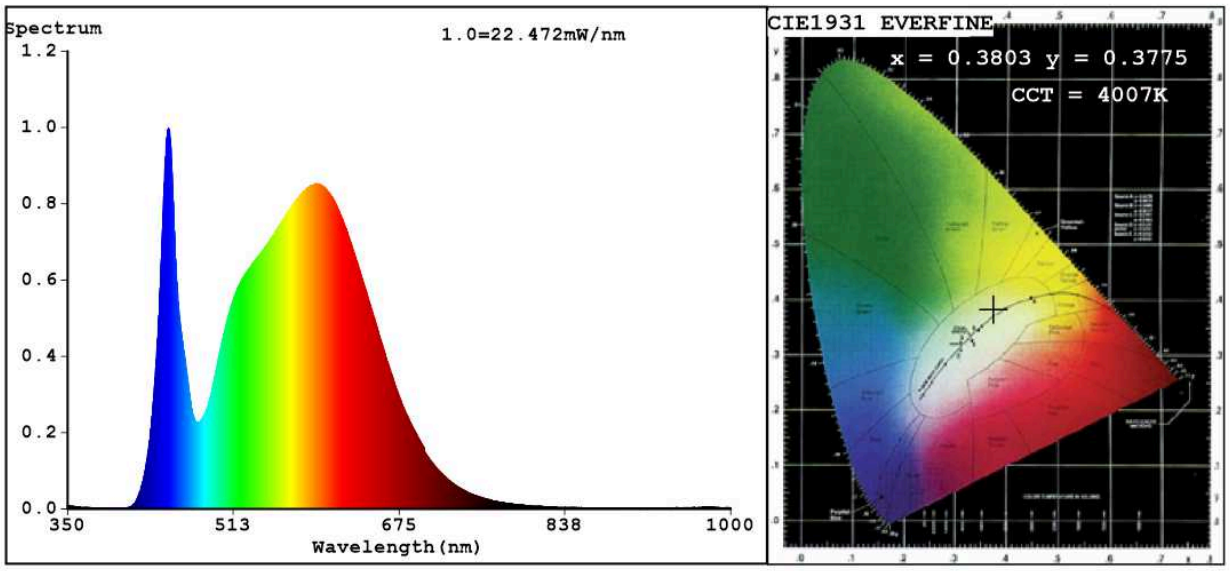
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	12	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 000 in Sphere (360°)	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	14,0	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,50
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	0,50	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	84
Outer dimensions without — Height	290	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	290		
Outer dimensions without — Depth	80		

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)	0,380 0,377
Parameters for LED and OLED light sources:				
R9 colour rendering index value		20	Survival factor	0,50
the lumen maintenance factor		0,95		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,20	Colour consistency in McAdam ellipses	0
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=0.3803 y=0.3775/u'=0.2247 v'=0.5019

CCT=4007K(Duv=0.0004) Dominant WL:Ld =578.8nm WL:Lc = --nm Purity=27.4%

Ratio:R=18.4% G=78.2% B=3.4%¡¡Peak WL:Lp=448.9nm FWHM=20.5nm

Render Index:Ra=84.0 AvgR=77.9 TM30:Rf=85 Rg=97 Lav=572.2nm

R1 =83	R2 =88	R3 =93	R4 =84	R5 =83	R6 =84	R7 =88	
R8 =70	R9 =20	R10=73	R11=83	R12=63	R13=84	R14=96	R15=78

Photo Parameters:

Flux = 1135 lm Eff. : 79.64 lm/W Fe = 3.561 W

Electrical parameters:

V = 225.18 V I = 0.2199 A P = 14.25 W PF = 0.2878

WHITE:ANSI_4000K

Status: Integral T = 62 ms Ip = 53124 (81%)

Model:LIGHTING SOLUTIONS	Number:99DS401
Tester:Atanas DAKOV	Date:2021-12-20 13:20:03
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks: