

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: 955AZZAR108

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):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

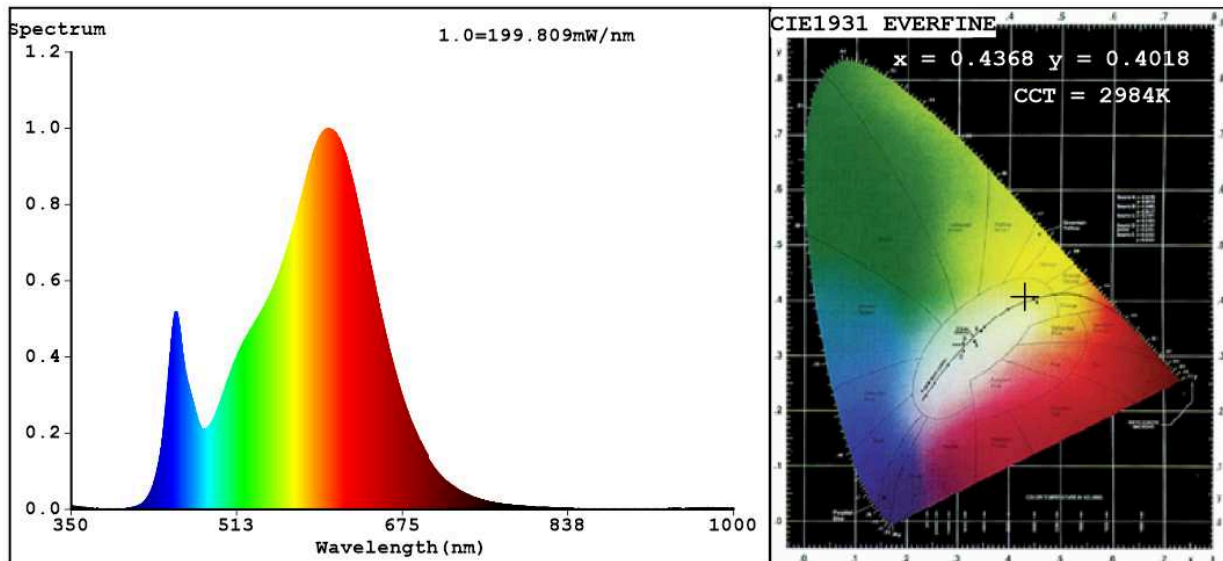
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	108	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	9 500 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	3 000
On-mode power (P_{on}), expressed in W	117,0	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	82
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)	0,436 0,401	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	5	Survival factor	0,50	
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,80	Colour consistency in McAdam ellipses	4	
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: $x=0.4368$ $y=0.4018$ $u'=0.2514$ $v'=0.5205$
 CCT=2984K (Duv=-0.0009) Dominant WL:Ld =583.2nm WL:Lc = --nm Purity=51.7%
 Ratio:R=23.1% G=74.2% B=2.7%; Peak WL:Lp=603.5nm FWHM=122.8nm
 Render Index:Ra=82.3 AvgR=76.8 TM30:Rf=84 Rg=95 Lav=589.0nm

R1 =81	R2 =92	R3 =95	R4 =80	R5 =81	R6 =90	R7 =81
R8 =57	R9 =5	R10=82	R11=79	R12=72	R13=84	R14=98 R15=73

Photo Parameters:

Flux = 9632 lm Eff. : 82.32 lm/W Fe = 29.26 W

Electrical parameters:

V = 225.03 V I = 0.6032 A P = 117.0 W PF = 0.8620
 WHITE:ANSI_3000K

Status: Integral T = 5 ms Ip = 44318 (68%)

Model:CHANDELIER
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:955AZZAR108
 Date:2021-12-20 14:34:54
 Humidity:65.0%
 Remarks: