Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

Supplier's name or trade mark: STELLAR

Supplier's address: ELMARK INDUSTRIES SC, bul.Dobrudja 2, 9300 Dobrich Dobrich, BG

Model identifier: 99XLED448

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	G13		
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

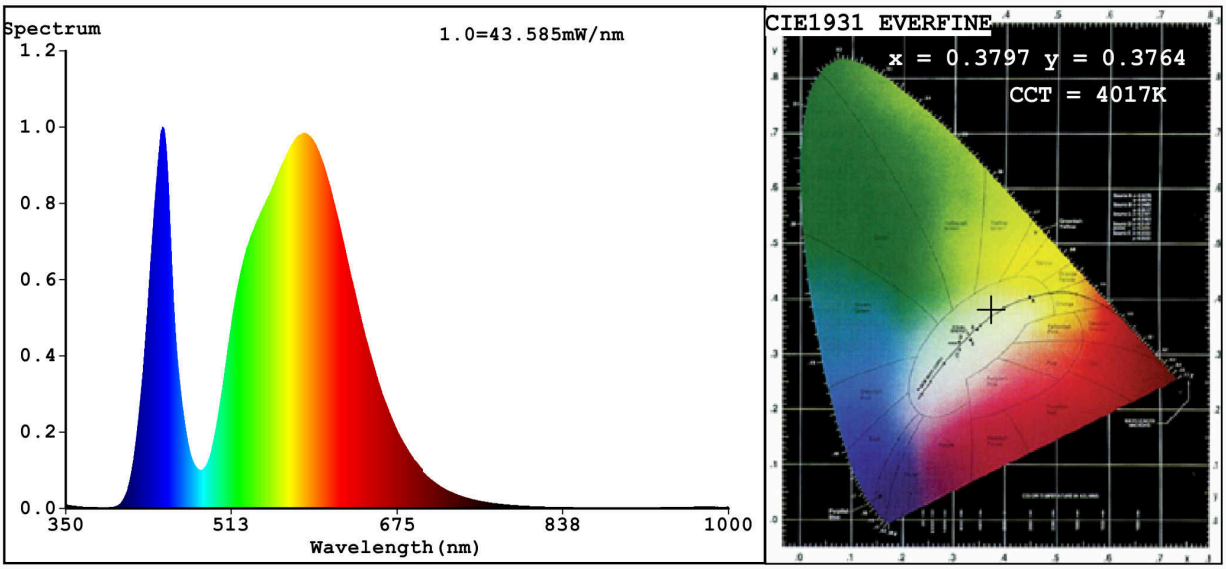
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	24	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	2 000 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	24,0	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	70
Outer dimensions without — Height	1 513	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	26		
Outer dimensions without — Depth	26		

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]		Yes	If yes, equivalent power (W)	126
			Chromaticity coordinates (x and y)	0,379 0,376
Parameters for LED and OLED light sources:				
R9 colour rendering index value		0	Survival factor	0,90
the lumen maintenance factor		0,96		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,40	Colour consistency in McAdam ellipses	5
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.		Yes[b]	If yes then replacement claim (W)	135
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=0.3797 y=0.3764/u'=0.2248 v'=0.5013

CCT=4017K(Duv=0.0000) Dominant WL:Ld =579.0nm WL:Lc = --nm Purity=26.9%

Ratio:R=16.6% G=81.3% B=2.1%¡¡Peak WL:Lp=444.9nm FWHM=27.1nm

Render Index:Ra=70.4

R1 =68	R2 =76	R3 =83	R4 =71	R5 =68	R6 =67	R7 =79	
R8 =52	R9 =0	R10=44	R11=67	R12=43	R13=69	R14=90	R15=62

Photo Parameters:

Flux = 2379 lm Eff. : 94.61 lm/W Fe = 6.945 W

Electrical parameters:

V = 219.90 V I = 0.2597 A P = 25.14 W PF = 0.4402

WHITE:ANSI_4000K

Status: Integral T = 21 ms Ip = 45517 (69%)

Model:LED TUBE	Number:99XLED448
Tester:Atanas DAKOV	Date:2021-03-30 10:33:03
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:7377