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: 99LED643E

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	6	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)	480 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	3 000
On-mode power (P_{on}), expressed in W	6,3	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	79
Outer dimensions without — Height	97	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	77		
Outer dimensions without — Depth	40		

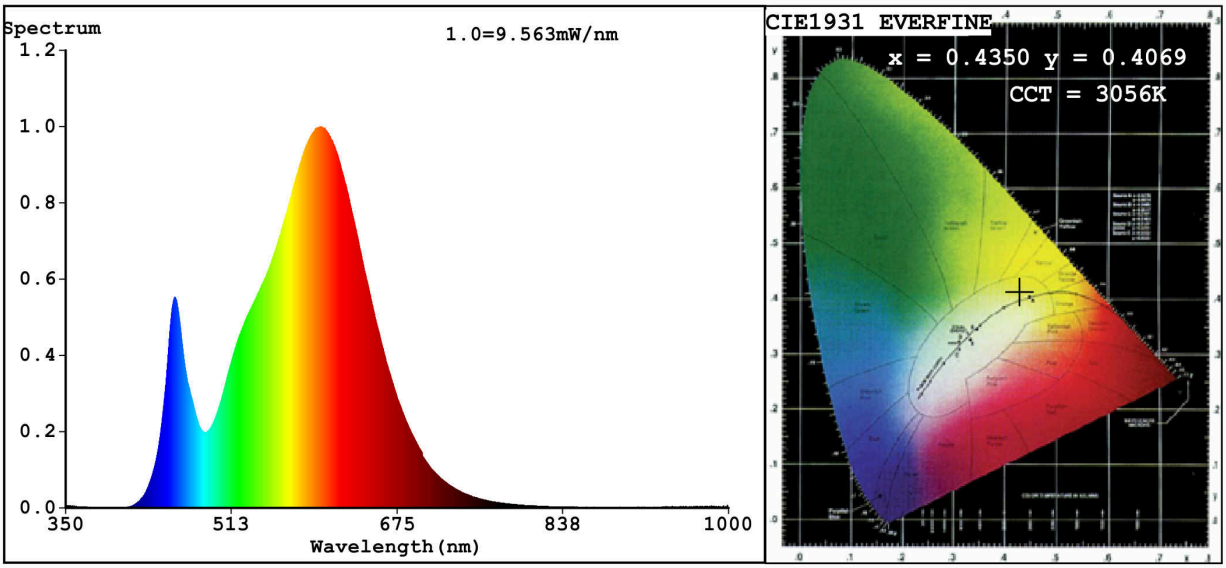
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,435 0,406
Parameters for directional light sources:				
Peak luminous intensity (cd)		599	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		0	Survival factor	0,50
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,50	Colour consistency in McAdam ellipses	6
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)		0,4	Stroboscopic effect metric (SVM)	0,6

[a] '-' : not applicable;

[b] '-' : not applicable;

EVERFINE HAAS-1200 Test Report

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.4350 y=0.4069/u'=0.2481 v'=0.5222

CCT=3056K(Duv=0.0014) Dominant WL:Ld =582.1nm WL:Lc = --nm Purity=52.7%

Ratio:R=22.0% G=75.4% B=2.6%¡¡Peak WL:Lp=599.5nm FWHM=126.3nm

Render Index:Ra=79.4

R1 =77	R2 =89	R3 =96	R4 =75	R5 =76	R6 =86	R7 =81	
R8 =54	R9 =0	R10=74	R11=72	R12=61	R13=80	R14=98	R15=70

Photo Parameters:

Flux = 473.2 lm Eff. : 74.23 lm/W Fe = 1.406 W

Electrical parameters:

V = 219.97 V I = 0.05547 A P = 6.374 W PF = 0.5223

WHITE:ANSI_3000K

Status: Integral T = 114 ms Ip = 46967 (72%)

Model:LED GLASS PANEL EOUND	Number:99LED642
Tester:Atanas DAKOV	Date:2020-10-12 13:35:01
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:6943