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: 99LED642

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

Product parameters

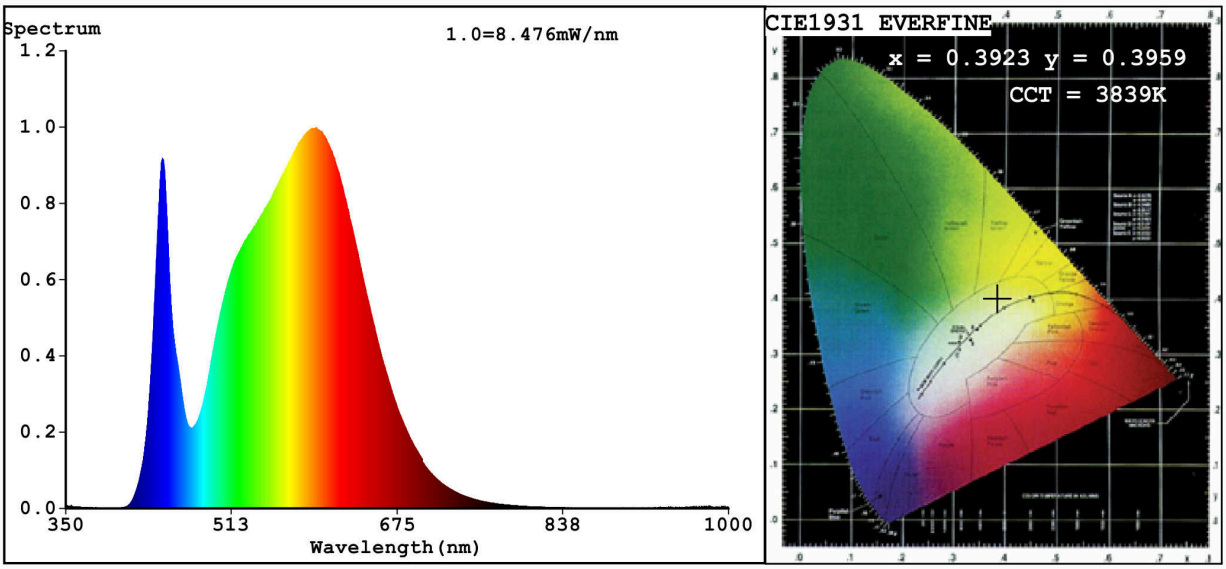
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	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	4 000
On-mode power (P_{on}), expressed in W	6,5	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,20
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	0,20	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	80
Outer dimensions without separate control gear, lighting control — Height	97	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Outer dimensions without separate control gear, lighting control — Width	97		
Outer dimensions without separate control gear, lighting control — Depth	40		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,392 0,395
Parameters for directional light sources:				
Peak luminous intensity (cd)		145	Beam angle in degrees, or the range of beam angles that can be set	112
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	5
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;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.3923 y=0.3959/u'=0.2252 v'=0.5115

CCT=3839K(Duv=0.0054) Dominant WL:Ld =577.3nm WL:Lc = --nm Purity=36.6%

Ratio:R=18.2% G=78.7% B=3.0%¡¡Peak WL:Lp=595.5nm FWHM=150.4nm

Render Index:Ra=80.8

R1 =78	R2 =85	R3 =93	R4 =82	R5 =79	R6 =81	R7 =86	
R8 =62	R9 =0	R10=67	R11=81	R12=63	R13=79	R14=96	R15=70

Photo Parameters:

Flux = 487.9 lm Eff. : 74.36 lm/W Fe = 1.440 W

Electrical parameters:

V = 219.98 V I = 0.05679 A P = 6.561 W PF = 0.5252

WHITE:ANSI_4000K

Status: Integral T = 114 ms Ip = 46077 (70%)

Model:LED GLASS PANEL EOUND	Number:99LED642
Tester:Atanas DAKOV	Date:2020-10-12 13:39:33
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:6943