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: 99LED641

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

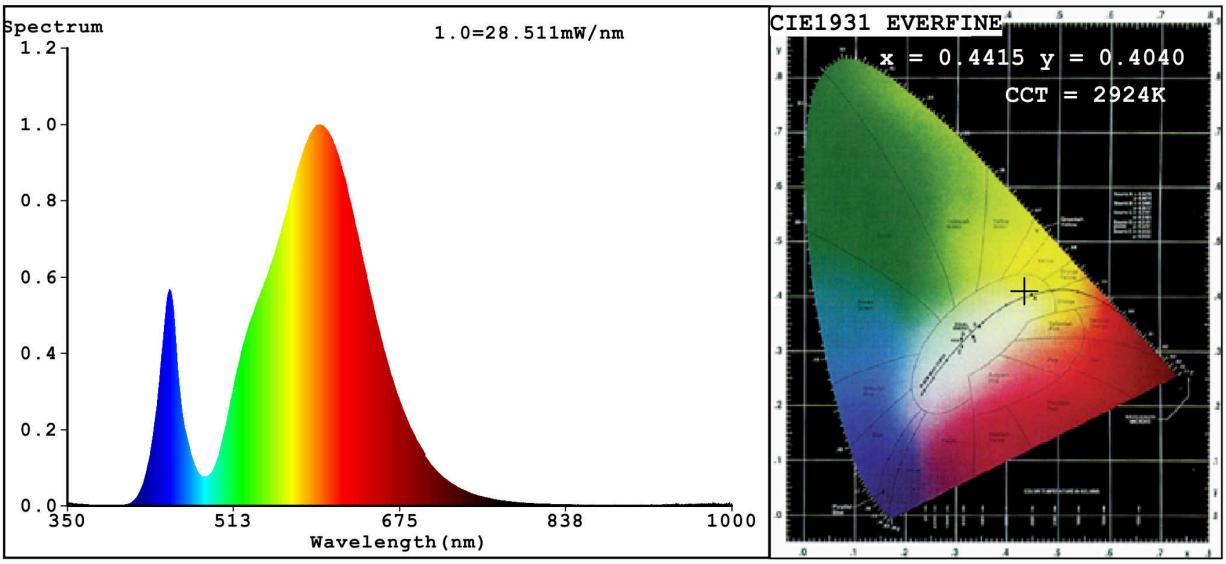
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 400 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	16,0	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	72
Outer dimensions without separate control gear, lighting control — Height	200	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	200		
Outer dimensions without separate control gear, lighting control — Depth	35		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,441 0,404
Parameters for directional light sources:				
Peak luminous intensity (cd)		430	Beam angle in degrees, or the range of beam angles that can be set	108
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=0.4415 y=0.4040/u'=0.2535 v'=0.5220

CCT=2924K(Duv=-0.0006) Dominant WL:Ld =583.4nm Purity=53.8%

Ratio:R=22.0% G=76.5% B=1.5%¡¡Peak WL:Lp=596.2nm FWHM=120.3nm

Render Index:Ra=72.7

R1 =70	R2 =82	R3 =92	R4 =69	R5 =68	R6 =74	R7 =79	
R8 =47	R9 =0	R10=58	R11=63	R12=47	R13=72	R14=95	R15=63

Photo Parameters:

Flux = 1376 lm Eff. : 82.78 lm/W Fe = 4.010 W

Electrical parameters:

V = 220.14 V I = 0.1512 A P = 16.63 W PF = 0.4997

WHITE:ANSI_3000K

Status: Integral T = 20 ms Ip = 44992 (69%)

Model:LED GLASS PANEL ROUND/18W	Number:99LED641
Tester:Petya Marinova	Date:2015-05-26 14:30
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:EVERFINE	Remarks:GW20141127