

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: 99LED638

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

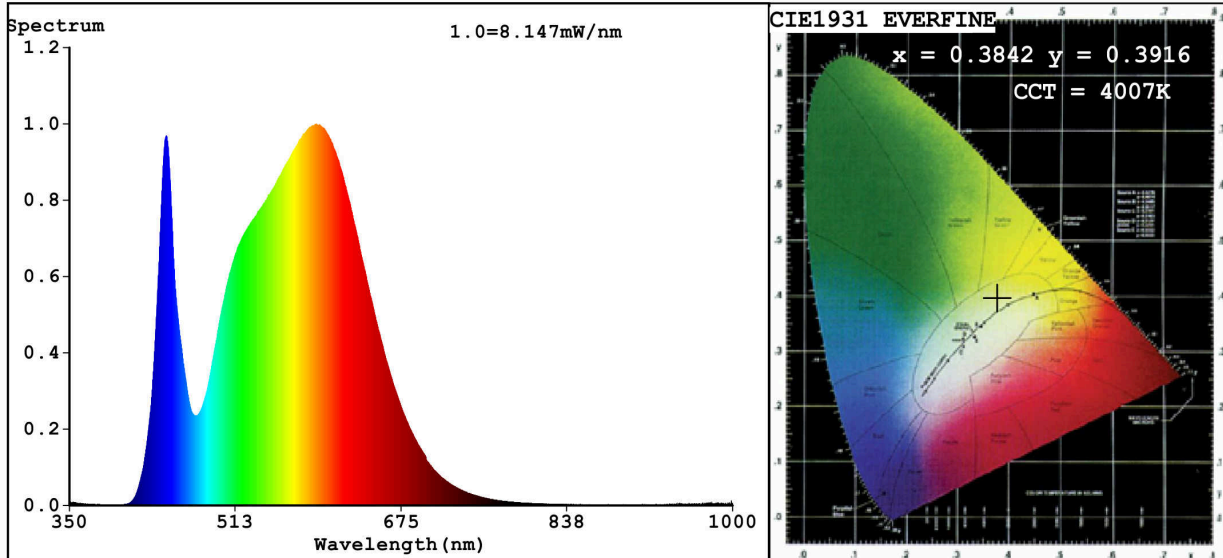
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	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	6,4	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	100	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	100	
	Depth	35	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,384 0,391
Parameters for directional light sources:			
Peak luminous intensity (cd)	126	Beam angle in degrees, or the range of beam angles that can be set	103
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 ϕ_1)	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: $x=0.3842$ $y=0.3916$ / $u'=0.2217$ $v'=0.5085$
 CCT=4007K (Duv=0.0057) Dominant WL: $L_d = 576.4$ nm WL: $L_c =$ --nm Purity=32.9%
 Ratio: R=17.6% G=79.2% B=3.2% ; Peak WL: $L_p = 592.1$ nm FWHM=151.0nm
 Render Index: $R_a = 80.7$

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

Photo Parameters:

Flux = 478.6 lm Eff. : 74.32 lm/W $F_e = 1.418$ W

Electrical parameters:

V = 219.97 V I = 0.05588 A P = 6.440 W PF = 0.5239

WHITE:ANSI_4000K

Status: Integral T = 141 ms $I_p = 46711$ (71%)

Model:LED GLASS PANEL EOUND
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED638
 Date:2020-10-12 13:26:11
 Humidity:65.0%
 Remarks:6943