

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: 99LED824

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	E27		
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

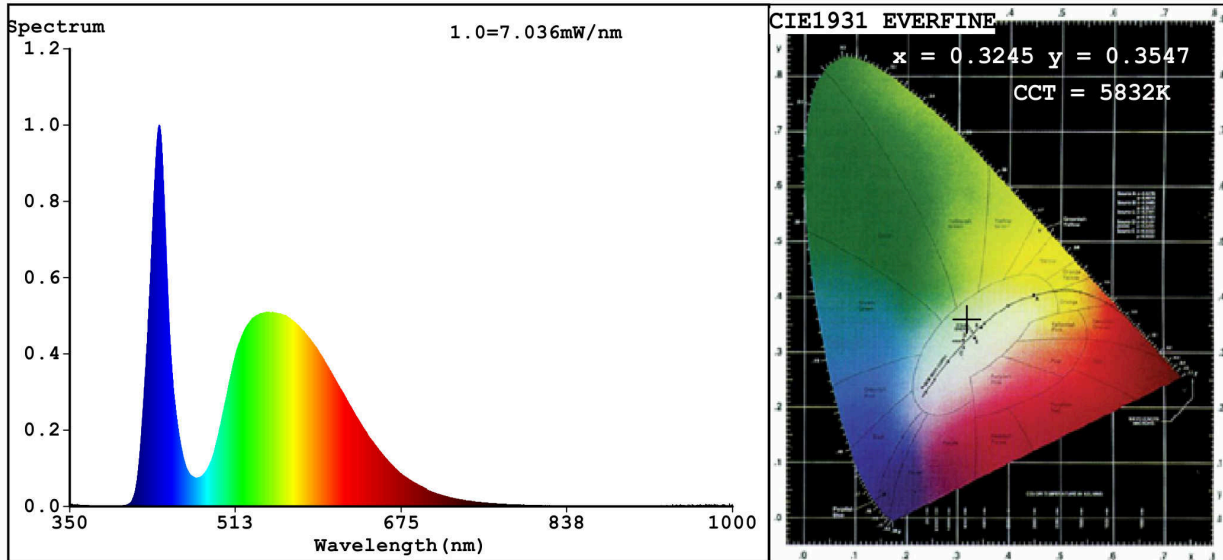
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	3	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	220 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	6 000
On-mode power (P_{on}), expressed in W	2,9	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	67
Outer dimensions without	Height	Spectral power distribution in the	See image in last page
	Width		
	Depth		

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)	20	
		Chromaticity coordinates (x and y)	0,324 0,354	
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)	0,90	Colour consistency in McAdam ellipses	2	
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)	15	
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: $x=0.3245$ $y=0.3547$ / $u'=0.1964$ $v'=0.4831$
 CCT=5832K (Duv=0.0103) Dominant WL: $L_d = 527.2\text{nm}$ WL: $L_c = \text{--nm}$ Purity=4.4%
 Ratio: R=12.0% G=85.1% B=2.9% ; Peak WL: $L_p = 437.7\text{nm}$ FWHM=20.1nm
 Render Index: $R_a = 67.3$

R1 =65 R2 =69 R3 =75 R4 =69 R5 =68 R6 =63 R7 =74
 R8 =56 R9 =0 R10=30 R11=71 R12=46 R13=64 R14=86 R15=57

Photo Parameters:

Flux = 212.7 lm Eff. : 72.13 lm/W $F_e = 648.9$ mW

Electrical parameters:

V = 220.20 V I = 0.01453 A P = 2.949 W PF = 0.9218

WHITE:OUT

Status: Integral T = 163 ms $I_p = 49430$ (75%)

Model: LED GLOBE G60
 Tester: Atanas DAKOV
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 99LED824
 Date: 2020-04-15 13:25:08
 Humidity: 65.0%
 Remarks: 6253