

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: 99LED749

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

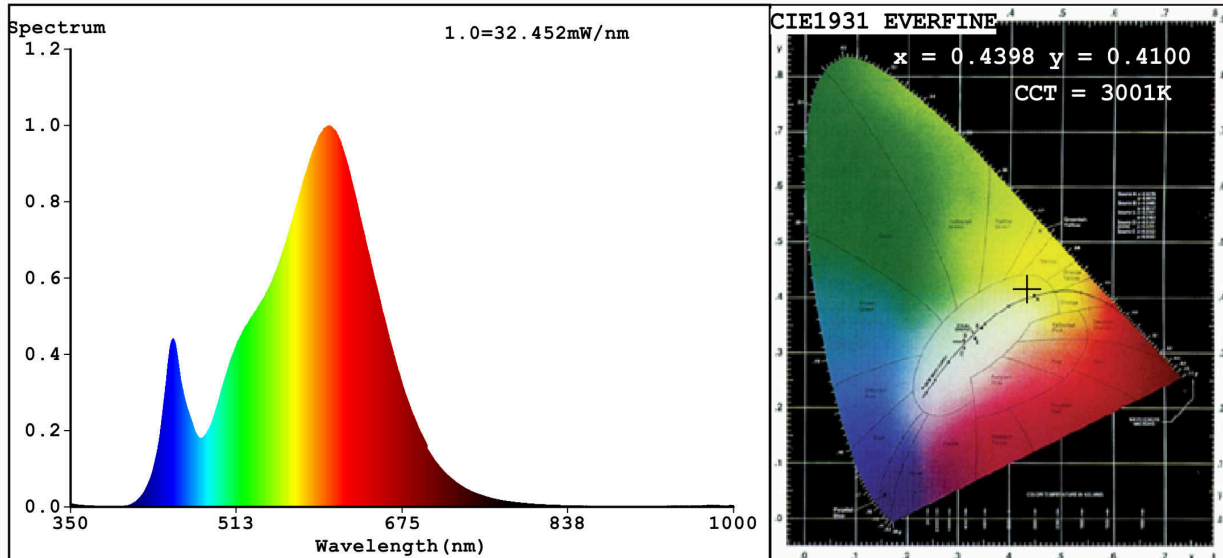
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 800 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	3 000
On-mode power (P_{on}), expressed in W	20,0	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	82
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)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,439 0,410	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	4	Survival factor	0,90	
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,30	Colour consistency in McAdam ellipses	5	
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)	115	
Flicker metric (Pst LM)	0,6	Stroboscopic effect metric (SVM)	0,2	

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4398$ $y=0.4100$ $u'=0.2499$ $v'=0.5241$
 CCT=3001K (Duv=0.0020) Dominant WL: $L_d = 582.2nm$ WL: $L_c = --nm$ Purity=55.1%
 Ratio: R=22.7% G=74.8% B=2.5%; Peak WL: $L_p = 603.5nm$ FWHM=129.5nm
 Render Index: $R_a = 82.1$ AvgR=76.1 TM30: $R_f = 85$ $R_g = 95$ $L_{av} = 589.9nm$

R1 =80	R2 =90	R3 =97	R4 =80	R5 =80	R6 =88	R7 =83
R8 =58	R9 =4	R10=77	R11=80	R12=71	R13=82	R14=99 R15=72

Photo Parameters:

Flux = 1586 lm Eff. : 79.68 lm/W Fe = 4.815 W

Electrical parameters:

V = 225.18 V I = 0.2403 A P = 19.90 W PF = 0.3678

WHITE:ANSI_3000K

Status: Integral T = 33 ms Ip = 49797 (76%)

Model:LED GLOBE G120
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99XLED749
 Date:2021-07-21 13:02:02
 Humidity:65.0%
 Remarks: