

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: 99LED745

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

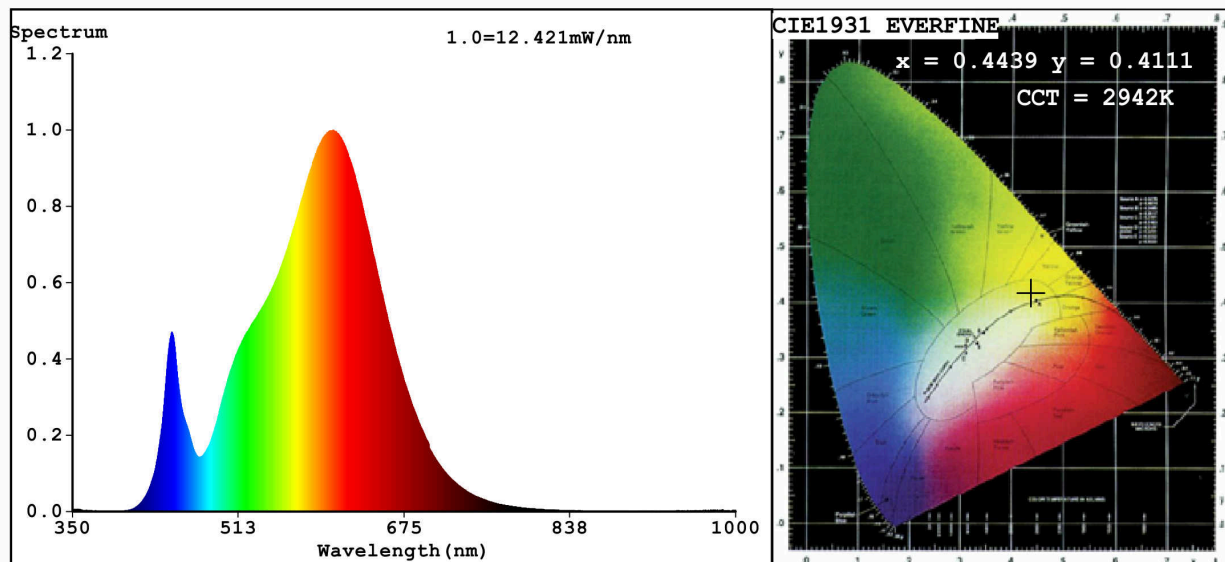
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	600 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	6,1	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)	Yes	If yes, equivalent power (W)	42	
		Chromaticity coordinates (x and y)	0,443 0,411	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	9	Survival factor	0,90	
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	6	
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)	40	
Flicker metric (Pst LM)	0,6	Stroboscopic effect metric (SVM)	0,4	

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4439$ $y=0.4111$ $u'=0.2521$ $v'=0.5251$
 CCT=2942K (Duv=0.0018) Dominant WL:Ld =582.5nm WL:Lc = --nm Purity=56.6%
 Ratio:R=23.2% G=74.6% B=2.3%; Peak WL:Lp=605.8nm FWHM=132.2nm
 Render Index:Ra=82.8

R1 =81	R2 =89	R3 =97	R4 =82	R5 =81	R6 =87	R7 =84
R8 =60	R9 =9	R10=76	R11=82	R12=72	R13=82	R14=99 R15=73

Photo Parameters:

Flux = 609.7 lm Eff. : 98.88 lm/W Fe = 1.869 W

Electrical parameters:

V = 220.02 V I = 0.04761 A P = 6.166 W PF = 0.5886
 WHITE:ANSI_3000K

Status: Integral T = 60 ms Ip = 36021 (55%)

Model:LED GLOBE G45
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED745
 Date:2021-01-26 13:56:40
 Humidity:65.0%
 Remarks:7084