

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: 99LED608

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
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

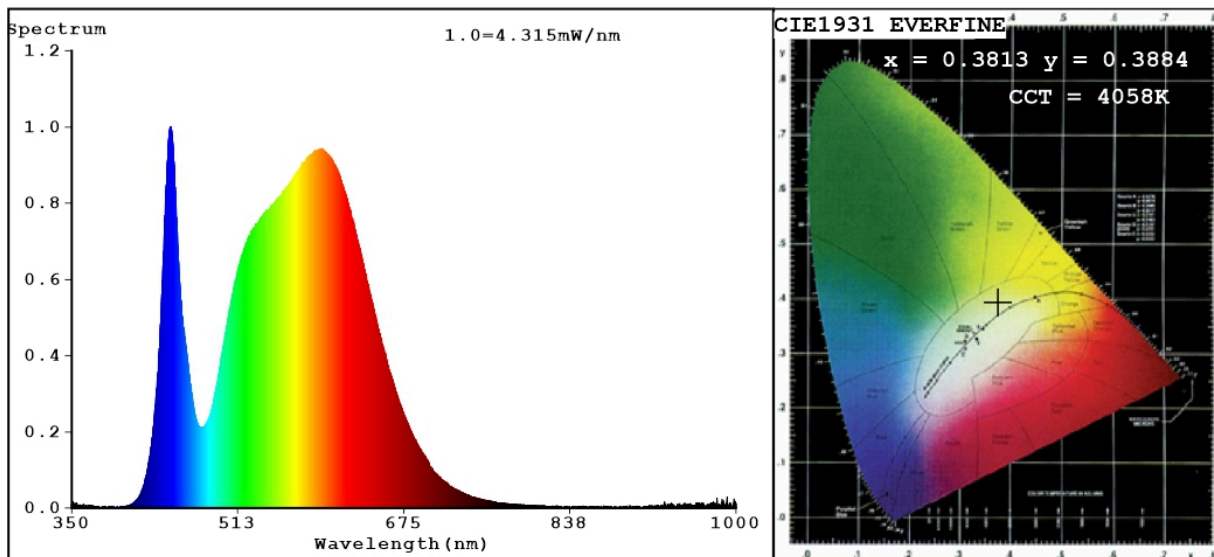
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	3	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	240 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	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	80
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)	25	
		Chromaticity coordinates (x and y)	0,381 0,388	
Parameters for directional light sources:				
Peak luminous intensity (cd)	446	Beam angle in degrees, or the range of beam angles that can be set	120	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	0	Survival factor	0,50	
the lumen maintenance factor	0,95			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,40	Colour consistency in McAdam ellipses	4	
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)	25	
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: $x=0.3813$ $y=0.3884$ / $u'=0.2211$ $v'=0.5067$
 CCT=4058K (Duv=0.0051) Dominant WL: $L_d = 576.4\text{nm}$ Purity=31.0%
 Ratio: R=17.6% G=79.4% B=3.1% ; Peak WL: $L_p=446.9\text{nm}$ FWHM=21.1nm
 Render Index: Ra=80.5
 R1 =78 R2 =85 R3 =91 R4 =81 R5 =78 R6 =80 R7 =87
 R8 =64 R9 =0 R10=64 R11=80 R12=58 R13=79 R14=95 R15=71

Photo Parameters:

Flux = 241.3 lm Eff. : 81.81 lm/W Fe = 714.9 mW

Electrical parameters:

V = 220.15 V I = 0.03083 A P = 2.950 W PF = 0.4346

WHITE: ANSI_4000K

Status: Integral T = 136 ms Ip = 44666 (68%)

Model: LEDSMD PAR16/3W
 Tester: Petya Marinova
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 99LED608
 Date: 2015-06-03 11:17
 Humidity: 65.0%
 Remarks: 27Q39115015