

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: 99LED930

Type of light source:

Lighting technology used:	other FL	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	2G11		
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

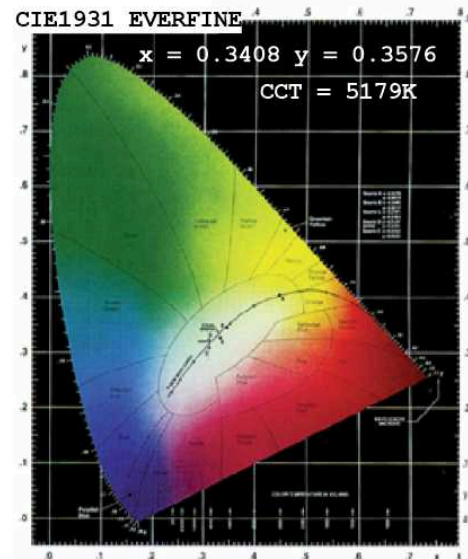
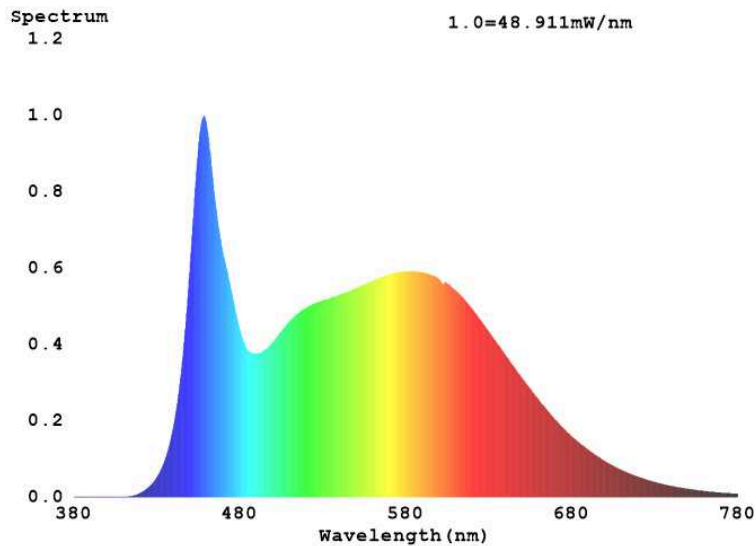
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 880 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	5 000
On-mode power (P_{on}), expressed in W	18,5	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	86
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)	130	
		Chromaticity coordinates (x and y)	0,340 0,357	

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: x=0.3408 y=0.3576/u'=0.2063 v'=0.4869

CCT=5179K(Duv=0.0047) Dominant WL:Ld =565.4nm Purity=9.6%

Ratio:R=15.8% G=78.2% B=6.0%; Peak WL:Lp=458.4nm FWHM=29.0nm

Render Index:Ra=86.3

R1 =86	R2 =96	R3 =94	R4 =81	R5 =86	R6 =93	R7 =85
R8 =70	R9 =27	R10=90	R11=81	R12=66	R13=90	R14=97
						R15=81

Photo Parameters:

Flux = 1883 lm Eff. : 101.49 lm/W Fe = 6.070 W

Electrical parameters:

V = 229.92 V I = 0.1404 A P = 18.56 W PF = 0.5749

WHITE:ANSI_5000K

Status: Integral T = 19 ms Ip = 54601 (83%)

Model:LED PLL/20W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED930
Date:2019-07-05 09:14
Humidity:65.0%
Remarks:P190227-4D_5757