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: 99LED931

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

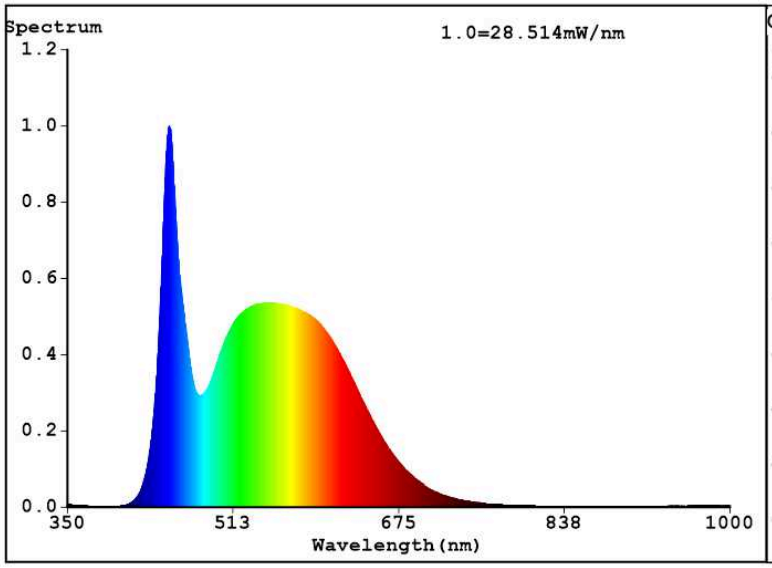
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	12	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 080 in Narrow cone (90°)	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	11,5	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	83
Outer dimensions without — Height	93	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	95		
Outer dimensions without — Depth	93		

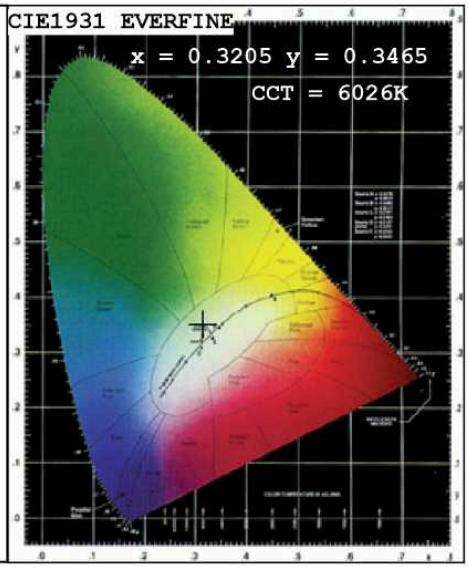
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		Yes	If yes, equivalent power (W)	70
			Chromaticity coordinates (x and y)	0,320 0,346
Parameters for directional light sources:				
Peak luminous intensity (cd)		449	Beam angle in degrees, or the range of beam angles that can be set	38
Parameters for LED and OLED light sources:				
R9 colour rendering index value		6	Survival factor	0,50
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,50	Colour consistency in McAdam ellipses	0
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)	65
Flicker metric (Pst LM)		0,6	Stroboscopic effect metric (SVM)	0,3

[a] '-' : not applicable;

[b] '-' : not applicable;

Spectrum Test Report





Color Parameters:

Chromaticity Coordinate:x=0.3205 y=0.3465/u'=0.1967 v'=0.4785

CCT=6026K(Duv=0.0082) Dominant WL:Ld =505.7nm Purity=3.9%

Ratio:R=13.7% G=80.9% B=5.5%¡¡Peak WL:Lp=449.9nm FWHM=24.0nm

Render Index:Ra=83.4

R1 =80	R2 =88	R3 =93	R4 =83	R5 =82	R6 =84	R7 =89	
R8 =69	R9 =6	R10=71	R11=82	R12=60	R13=82	R14=96	R15=75

Photo Parameters:

Flux = 1001 lm Eff. : 86.41 lm/W Fe = 3.179 W

Electrical parameters:

V = 229.93 V I = 0.09081 A P = 11.59 W PF = 0.5551

WHITE:ANSI_6500K

Status: Integral T = 43 ms Ip = 53321 (81%)

Model:LED PAR30/12W	Number:99LED931
Tester:Petya Marinova	Date:2018-04-11 15:52
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:27Q39118004_4403