

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: 93FGNL3030/BL

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	Integrated LED		
Mains or non-mains:	MLS	Connected light source (CLS):	Yes
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

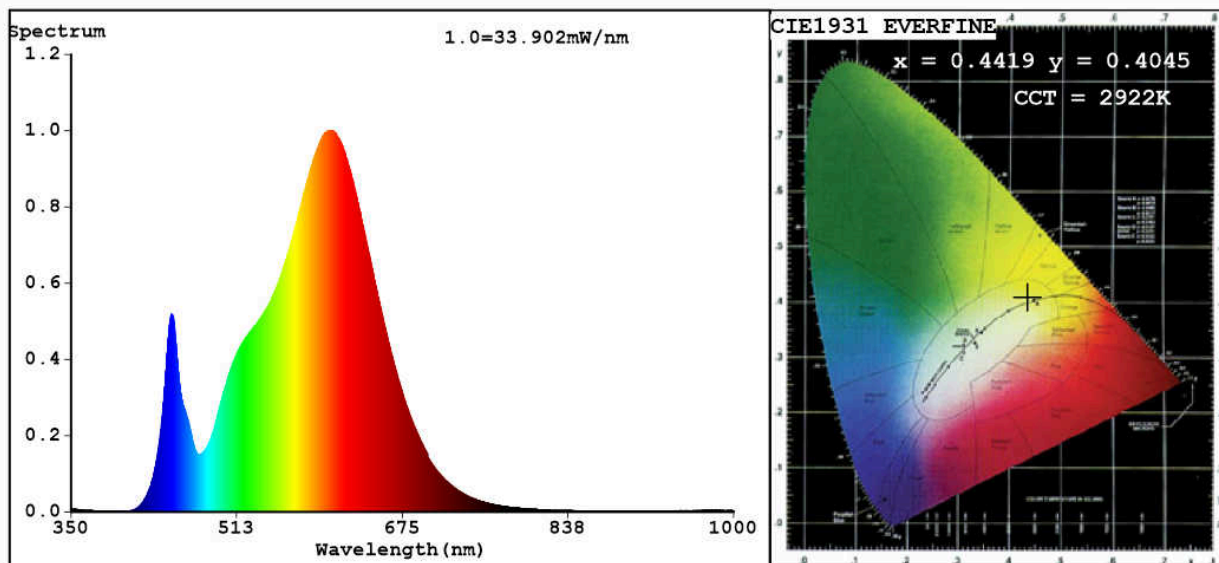
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	30	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 400 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	3 000
On-mode power (P_{on}), expressed in W	28,3	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,20
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	0,20	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	82
Outer dimensions without separate control gear, lighting control	Height	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,439 0,398	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	7	Survival factor	0,50	
the lumen maintenance factor	0,95			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,50	Colour consistency in McAdam ellipses	4	
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	-(b)	If yes then replacement claim (W)	-	
Flicker metric (Pst LM)	0,5	Stroboscopic effect metric (SVM)	0,2	

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4419$ $y=0.4045$ $u'=0.2536$ $v'=0.5223$
 CCT=2922K (Duv=-0.0005) Dominant WL:Ld =583.3nm WL:Lc = --nm Purity=54.1%
 Ratio:R=23.5% G=74.1% B=2.4% ; Peak WL:Lp=603.5nm FWHM=122.9nm
 Render Index:Ra=82.7 AvgR=77.2 TM30:Rf=84 Rg=97 Lav=590.9nm

R1 =81 R2 =91 R3 =96 R4 =82 R5 =82 R6 =90 R7 =82
 R8 =58 R9 =6 R10=80 R11=82 R12=74 R13=83 R14=99 R15=73

Photo Parameters:

Flux = 1616 lm Eff. : 59.70 lm/W Fe = 4.931 W

Electrical parameters:

V = 226.81 V I = 0.2768 A P = 27.07 W PF = 0.4311

WHITE:ANSI_3000K

Status: Integral T = 39 ms Ip = 51399 (78%)

Model: LED INTERIOR LIGHT
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:93FGNL3030
 Date:2022-02-09 11:07:40
 Humidity:65.0%
 Remarks:MOSTRA