

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: 92FLD3530/WHE

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	Integrated LED		
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

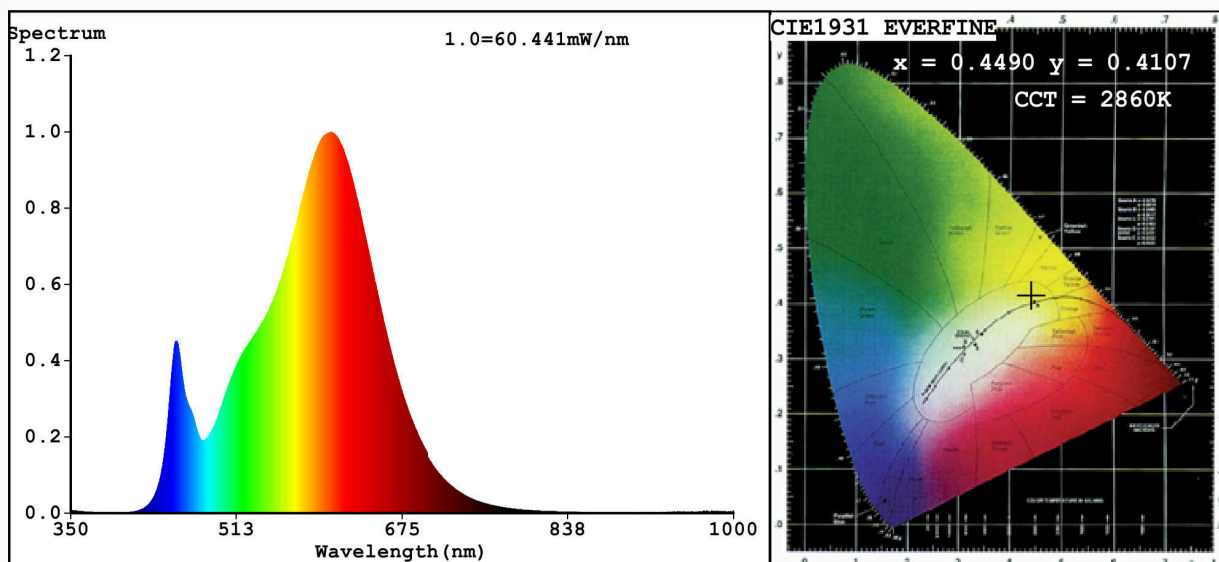
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	35	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	3 000 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	35,5	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	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)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,449 0,410	
Parameters for directional light sources:				
Peak luminous intensity (cd)	605	Beam angle in degrees, or the range of beam angles that can be set	100	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	5	Survival factor	0,50	
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,90	Colour consistency in McAdam ellipses	0	
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)	0,0	Stroboscopic effect metric (SVM)	0,0	

(a) - : not applicable;

(b) - : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4490$ $y=0.4107$ $u'=0.2555$ $v'=0.5257$

CCT=2860K(Duv=0.0011) Dominant WL:Ld =583.1nm Purity=58.0%

Ratio:R=23.8% G=73.7% B=2.5%; Peak WL:Lp=605.8nm FWHM=119.6nm

Render Index:Ra=82.0

R1 =81	R2 =92	R3 =95	R4 =79	R5 =81	R6 =91	R7 =81
R8 =57	R9 =5	R10=82	R11=79	R12=72	R13=83	R14=98
						R15=72

Photo Parameters:

Flux = 2860 lm Eff. : 80.34 lm/W Fe = 8.712 W

Electrical parameters:

V = 229.98 V I = 0.1614 A P = 35.59 W PF = 0.9589

WHITE:ANSI_2700K

Status: Integral T = 15 ms Ip = 45765 (70%)

Model:FDL SMD/35W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:92FLD3530/WH
Date:2018-02-12 13:49
Humidity:65.0%
Remarks: VSHQ20170810_4249