

# 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:** 92DL81F4540/WH

## 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:	Yes		
Anti-glare shield:	No	Dimmable:	No

## Product parameters

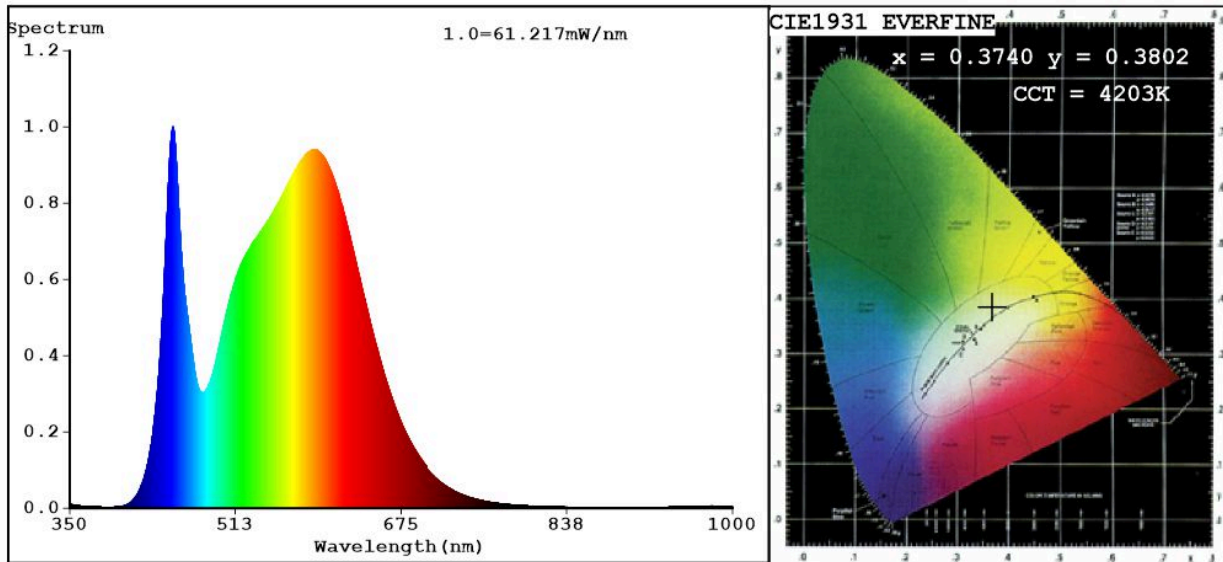
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	45	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	3 300 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	4 000
On-mode power ( $P_{on}$ ), expressed in W	46,2	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	81
Outer dimensions without separate control gear, lighting control	Height	363	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	138	
	Depth	98	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power <sup>(a)</sup>	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,374 0,380
<b>Parameters for directional light sources:</b>			
Peak luminous intensity (cd)	451	Beam angle in degrees, or the range of beam angles that can be set	24
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	0	Survival factor	0,50
the lumen maintenance factor	0,95		
<b>Parameters for LED and OLED mains light sources:</b>			
displacement factor (cos $\phi_1$ )	0,50	Colour consistency in McAdam ellipses	5
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:  $x=0.3740$   $y=0.3802$  /  $u'=0.2195$   $v'=0.5021$   
 CCT=4203K (Duv=0.0036) Dominant WL:Ld =576.3nm WL:Lc = --nm Purity=26.3%  
 Ratio:R=17.1% G=79.1% B=3.7%; Peak WL:Lp=451.2nm FWHM=25.2nm  
 Render Index:Ra=81.1

R1 =78    R2 =87    R3 =95    R4 =79    R5 =79    R6 =83    R7 =86  
 R8 =61    R9 =0    R10=71    R11=78    R12=59    R13=81    R14=97    R15=71

**Photo Parameters:**

Flux = 3362 lm    Eff. : 72.42 lm/W    Fe = 10.07 W

**Electrical parameters:**

V = 229.75 V    I = 0.3471 A    P = 46.42 W PF = 0.5821

WHITE:ANSI\_4000K

Status: Integral T = 17 ms    Ip = 49828 (76%)

Model:LED DOWNLIGHT FIXTURES  
 Tester:Atanas DAKOV  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:92DL81F4540 WH  
 Date:2023-01-12 13:12:39  
 Humidity:65.0%  
 Remarks:8840