

# 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:** 92DL83TS0540/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:	No		
Anti-glare shield:	No	Dimmable:	No

## Product parameters

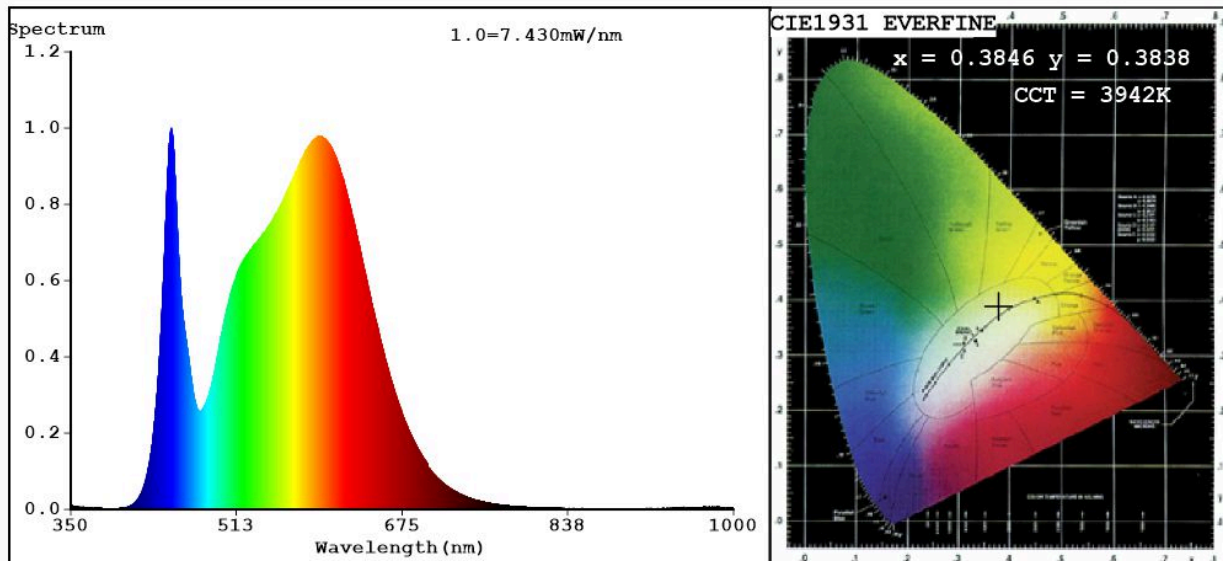
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	5	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	415 in Nar-row 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	5,8	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	-	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 <sup>(a)</sup>	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,384 0,383	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	448	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	5	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	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:  $x=0.3846$   $y=0.3838$   $u'=0.2250$   $v'=0.5053$   
 CCT=3942K (Duv=0.0021) Dominant WL:  $L_d=578.2\text{nm}$  WL:  $L_c = \text{--nm}$  Purity=30.6%  
 Ratio: R=18.3% G=78.2% B=3.4% Peak WL:  $L_p=448.6\text{nm}$  FWHM=21.6nm  
 Render Index:  $R_a=82.8$

R1 =81	R2 =88	R3 =95	R4 =83	R5 =81	R6 =85	R7 =86
R8 =63	R9 =5	R10=73	R11=82	R12=65	R13=82	R14=97
						R15=74

### Photo Parameters:

Flux = 414.9 lm Eff. : 71.23 lm/W  $F_e = 1.247\text{ W}$

### Electrical parameters:

V = 229.95 V I = 0.04706 A P = 5.824 W PF = 0.5382

WHITE: ANSI\_4000K

Status: Integral T = 125 ms  $I_p = 45701$  (70%)

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

Number: 92DL83TS0540 WH  
 Date: 2023-01-09 15:46:13  
 Humidity: 65.0%  
 Remarks: 8840