

# 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:** 92DLTS2030/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:	Yes

## Product parameters

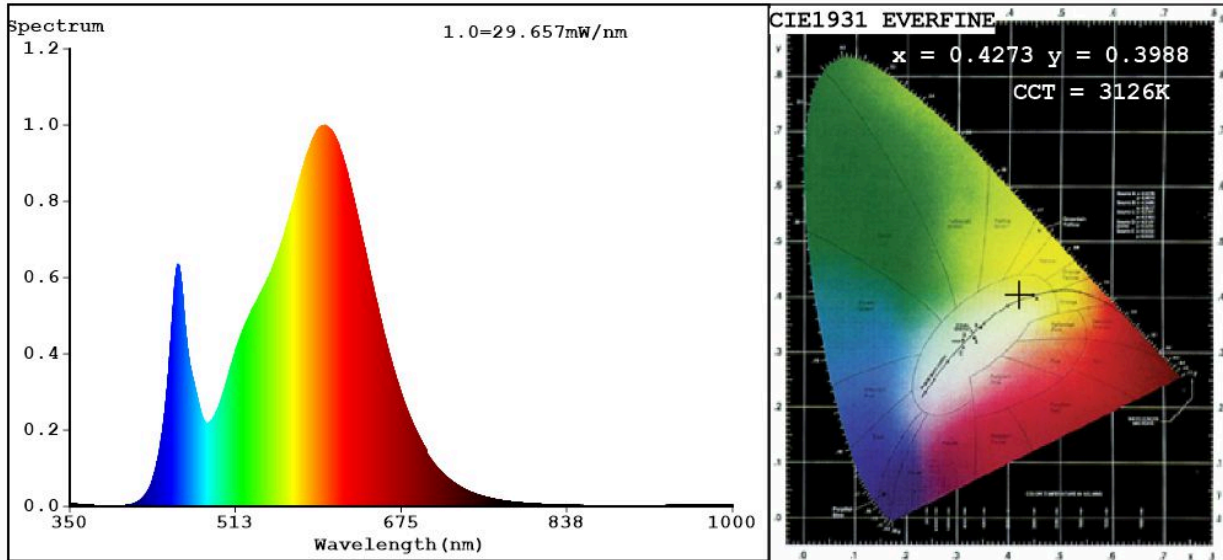
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 400 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	3 000
On-mode power ( $P_{on}$ ), expressed in W	20,0	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	80
Outer dimensions without separate control gear, lighting control	Height	70	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	135	
	Depth	135	
			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)	0,427 0,398
<b>Parameters for directional light sources:</b>			
Peak luminous intensity (cd)	600	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	1	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:  $x=0.4273$   $y=0.3988$  /  $u'=0.2466$   $v'=0.5179$   
 CCT=3126K (Duv=-0.0007) Dominant WL:Ld =582.6nm WL:Lc = --nm Purity=48.0%  
 Ratio:R=21.9% G=75.3% B=2.8%; Peak WL:Lp=600.5nm FWHM=128.0nm  
 Render Index:Ra=80.9

R1 =79    R2 =91    R3 =95    R4 =77    R5 =79    R6 =88    R7 =81  
 R8 =56    R9 =1    R10=78    R11=75    R12=66    R13=82    R14=98    R15=72

**Photo Parameters:**

Flux = 1475 lm    Eff. : 73.73 lm/W    Fe = 4.465 W

**Electrical parameters:**

V = 229.77 V    I = 0.1475 A    P = 20.00 W PF = 0.5902  
 WHITE:ANSI\_3000K

Status: Integral T = 30 ms    Ip = 44404 (68%)

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

Number:92DLTS2030 WH  
 Date:2023-01-10 16:25:16  
 Humidity:65.0%  
 Remarks:8840