

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: 92DL83TS0530/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

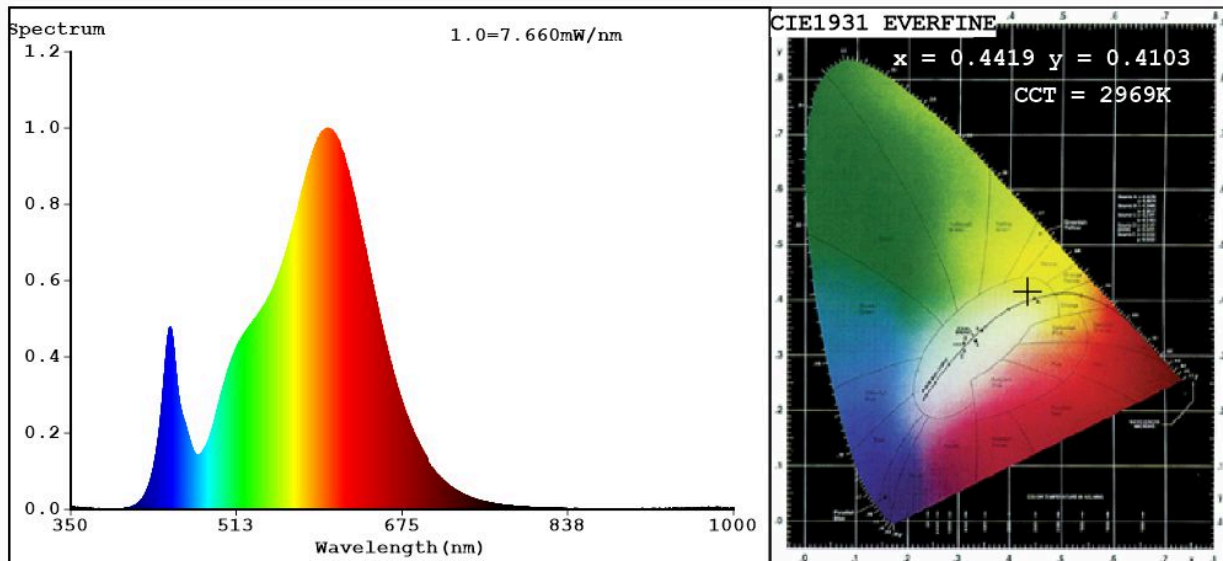
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	5	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	350 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	5,7	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	81
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)	0,441 0,410	
Parameters for directional light sources:				
Peak luminous intensity (cd)	601	Beam angle in degrees, or the range of beam angles that can be set	24	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	0	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	6	
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: $x=0.4419$ $y=0.4103$ $u'=0.2511$ $v'=0.5246$
 CCT=2969K (Duv=0.0018) Dominant WL: $L_d = 582.3nm$ WL: $L_c = --nm$ Purity=55.8%
 Ratio: R=22.8% G=74.9% B=2.3% Peak WL: $L_p = 601.8nm$ FWHM=123.1nm
 Render Index: $R_a = 81.2$

R1 =79	R2 =89	R3 =97	R4 =80	R5 =79	R6 =87	R7 =82
R8 =56	R9 =0	R10=76	R11=80	R12=71	R13=81	R14=99
						R15=70

Photo Parameters:

Flux = 368.6 lm Eff. : 64.63 lm/W Fe = 1.095 W

Electrical parameters:

V = 229.91 V I = 0.04596 A P = 5.704 W PF = 0.5398

WHITE: ANSI_3000K

Status: Integral T = 120 ms Ip = 46001 (70%)

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

Number: 92DL83TS0530 WH
 Date: 2023-01-09 16:13:55
 Humidity: 65.0%
 Remarks: 8840