

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: 92DL84TS0340/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

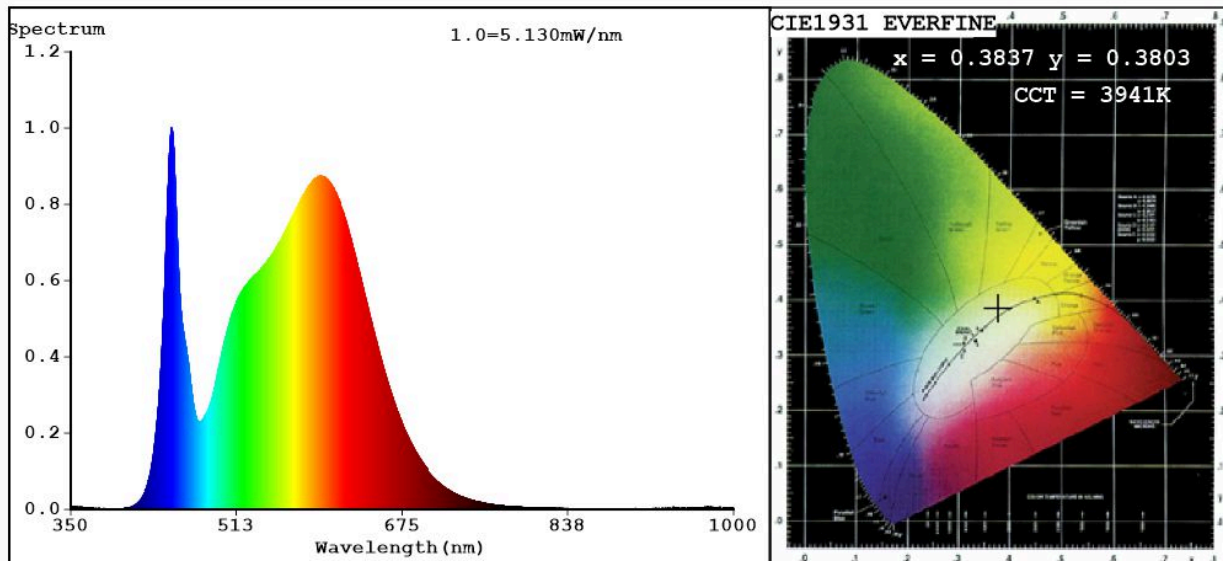
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	3	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	210 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	3,4	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	83
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)	0,383 0,380	
Parameters for directional light sources:				
Peak luminous intensity (cd)	448	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	8	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	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: $x=0.3837$ $y=0.3803$ $u'=0.2258$ $v'=0.5036$
 CCT=3941K (Duv=0.0007) Dominant WL: $L_d = 578.9nm$ WL: $L_c = --nm$ Purity=29.3%
 Ratio: R=18.5% G=78.0% B=3.5%; Peak WL: $L_p = 448.9nm$ FWHM=18.4nm
 Render Index: $R_a = 83.3$

R1 =82	R2 =89	R3 =95	R4 =83	R5 =82	R6 =85	R7 =86
R8 =64	R9 =8	R10=75	R11=83	R12=64	R13=83	R14=98
						R15=75

Photo Parameters:

Flux = 255.0 lm Eff. : 74.59 lm/W Fe = 770.6 mW

Electrical parameters:

V = 229.91 V I = 0.03079 A P = 3.419 W PF = 0.4829

WHITE: ANSI_4000K

Status: Integral T = 210 ms Ip = 47207 (72%)

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

Number: 92DL84TS0340 WH
 Date: 2023-01-09 16:18:13
 Humidity: 65.0%
 Remarks: 8840