

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/BL

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

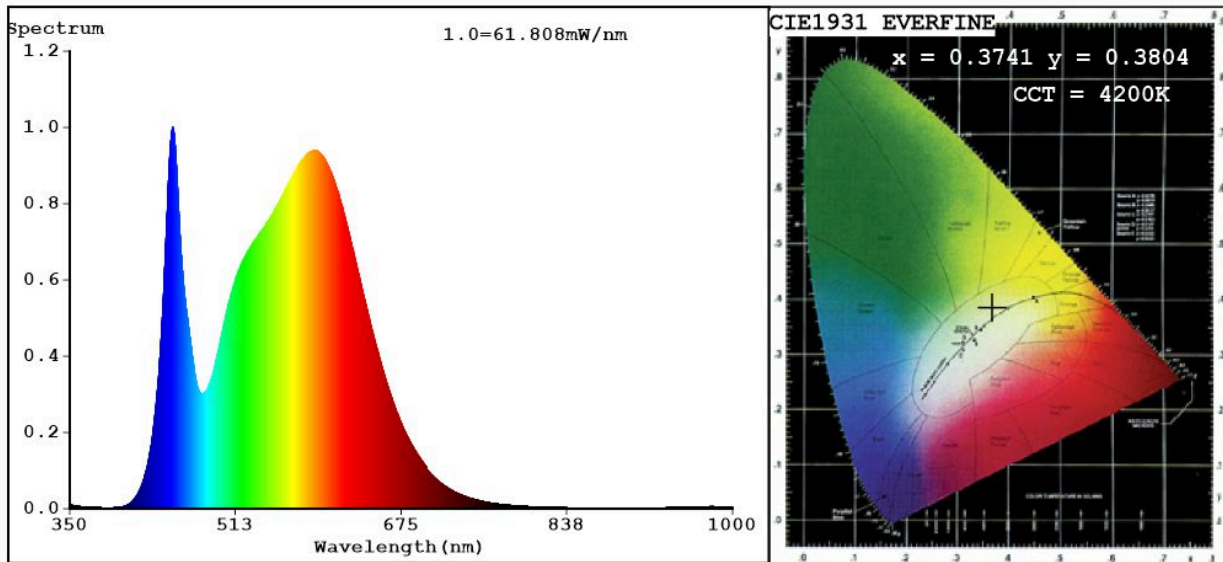
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	45	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	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	46,7	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 ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,374 0,380
Parameters for directional light sources:			
Peak luminous intensity (cd)	451	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)	0,58	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: $x=0.3741$ $y=0.3804$ / $u'=0.2195$ $v'=0.5022$
 CCT=4200K (Duv=0.0036) Dominant WL: $L_d = 576.3\text{nm}$ WL: $L_c = \text{--nm}$ Purity=26.4%
 Ratio: R=17.1% G=79.1% B=3.7%; Peak WL: $L_p=451.0\text{nm}$ FWHM=25.0nm
 Render Index: Ra=81.0

R1 =78 R2 =87 R3 =95 R4 =80 R5 =79 R6 =83 R7 =86
 R8 =61 R9 =0 R10=71 R11=78 R12=59 R13=80 R14=97 R15=71

Photo Parameters:

Flux = 3392 lm Eff. : 72.53 lm/W $F_e = 10.16$ W

Electrical parameters:

V = 229.80 V I = 0.3488 A P = 46.77 W PF = 0.5836
 WHITE:ANSI_4000K

Status: Integral T = 17 ms $I_p = 50271$ (77%)

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

Number:92DL81F4540 BL
 Date:2023-01-12 13:17:07
 Humidity:65.0%
 Remarks:8840