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: 92DL840/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

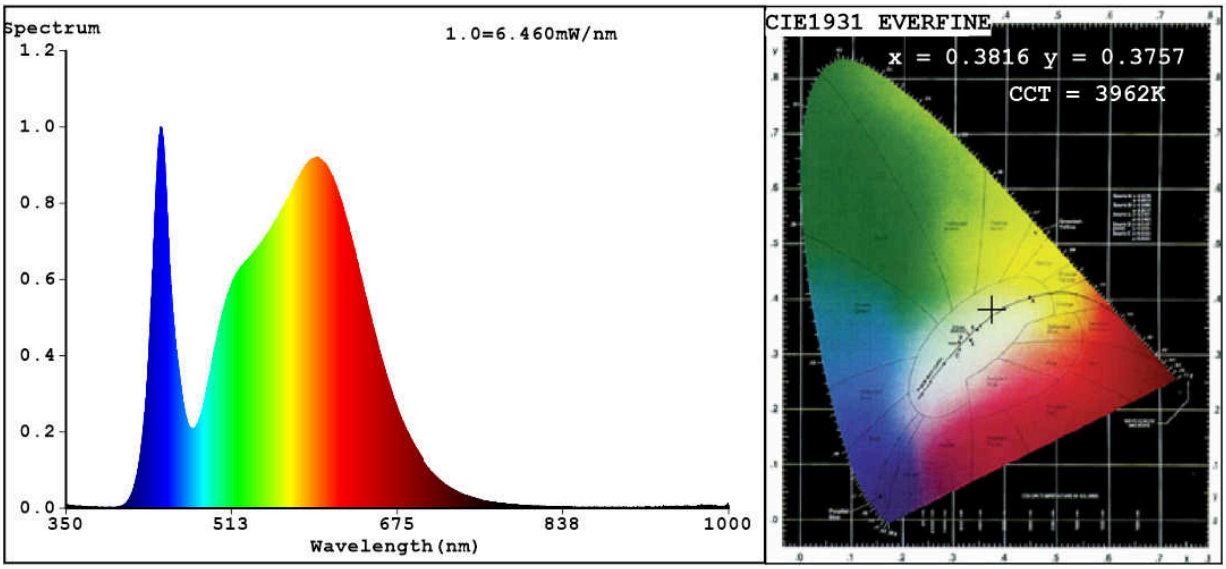
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	8	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	340 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	8,6	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	83
Outer dimensions without — Height	110	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	55		
Outer dimensions without — Depth	55		

separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,381 0,375
Parameters for directional light sources:				
Peak luminous intensity (cd)		442	Beam angle in degrees, or the range of beam angles that can be set	60
Parameters for LED and OLED light sources:				
R9 colour rendering index value		13	Survival factor	0,50
the lumen maintenance factor		0,95		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		1,00	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)		0,6	Stroboscopic effect metric (SVM)	0,2

[a] '-' : not applicable;

[b] '-' : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.3816 y=0.3757/u'=0.2263 v'=0.5013

CCT=3962K(Duv=-0.0008) Dominant WL:Ld =579.7nm Purity=27.3%

Ratio:R=18.6% G=78.1% B=3.3%¡¡Peak WL:Lp=442.8nm FWHM=22.1nm

Render Index:Ra=83.3

R1 =82	R2 =88	R3 =93	R4 =84	R5 =83	R6 =84	R7 =86	
R8 =67	R9 =13	R10=71	R11=85	R12=71	R13=83	R14=96	R15=76

Photo Parameters:

Flux = 341.6 lm Eff. : 39.32 lm/W Fe = 1.058 W

Electrical parameters:

V = 229.88 V I = 0.08632 A P = 8.686 W PF = 0.4377

WHITE:ANSI_4000K

Status: Integral T = 135 ms Ip = 50970 (78%)

Model:LED DOWNLIGHT ROUND/8W	Number:92DL840/WH
Tester:Petya Marinova	Date:2018-11-13 11:24
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:VSUN20180706_5168