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: 92TS2440/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):	Yes
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

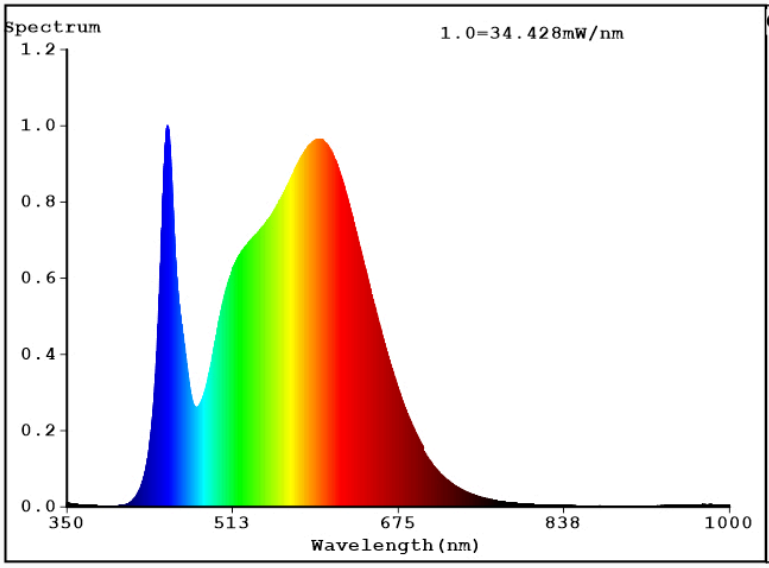
Parameter		Value	Parameter	Value
General product parameters:				
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer		24	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)		1 900 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	3 900
On-mode power (P_{on}), expressed in W		24,0	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		0,20	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	85
Outer dimensions without separate control gear, lighting control	Height	140	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width	140		
	Depth	75		

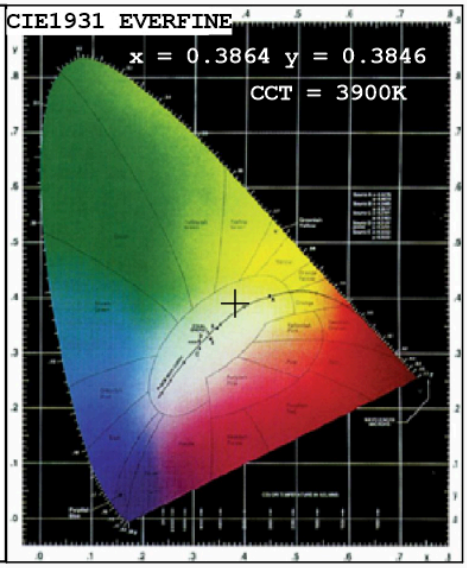
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,386 0,384
Parameters for directional light sources:				
Peak luminous intensity (cd)		884	Beam angle in degrees, or the range of beam angles that can be set	83
Parameters for LED and OLED light sources:				
R9 colour rendering index value		17	Survival factor	0,50
the lumen maintenance factor		0,95		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,90	Colour consistency in McAdam ellipses	4
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=0.3864 y=0.3846/u'=0.2259 v'=0.5059

CCT=3900K(Duv=0.0019) Dominant WL:Ld =578.5nm WL:Lc = --nm Purity=31.4%

Ratio:R=18.8% G=77.7% B=3.5%¡¡Peak WL:Lp=448.6nm FWHM=21.8nm

Render Index:Ra=85.0

R1 =83	R2 =90	R3 =95	R4 =85	R5 =84	R6 =87	R7 =88	
R8 =68	R9 =17	R10=76	R11=85	R12=66	R13=85	R14=98	R15=77

Photo Parameters:

Flux = 1923 lm Eff. : 78.83 lm/W Fe = 5.931 W

Electrical parameters:

V = 225.07 V I = 0.1123 A P = 24.40 W PF = 0.9652

WHITE:ANSI_4000K

Status: Integral T = 33 ms Ip = 52151 (80%)

Model:DEEP RECESSED LED DOWNLIGHT	Number:92TS2440 WH
Tester:Atanas DAKOV	Date:2022-06-20 10:45:00
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:8370