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: 92DLTS2440/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

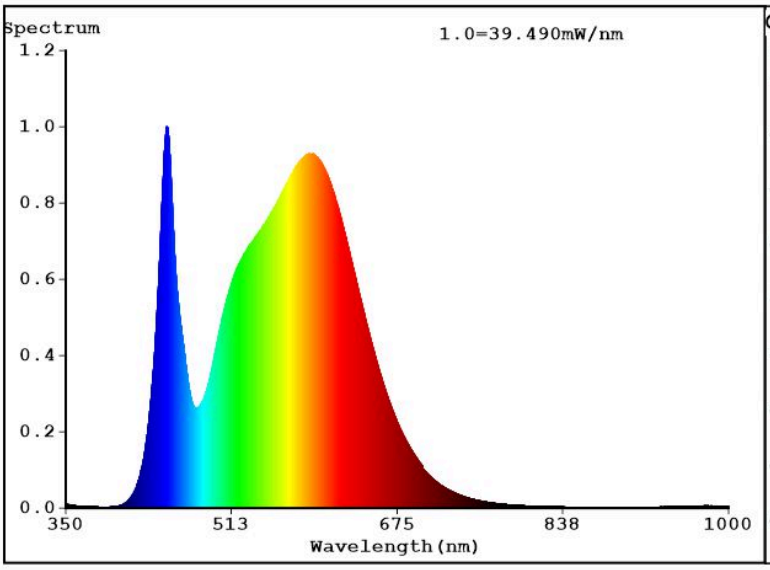
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	24	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 700 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	23,9	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	80
Outer dimensions without separate control gear, lighting control — Height	80	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	160		
Depth	160		

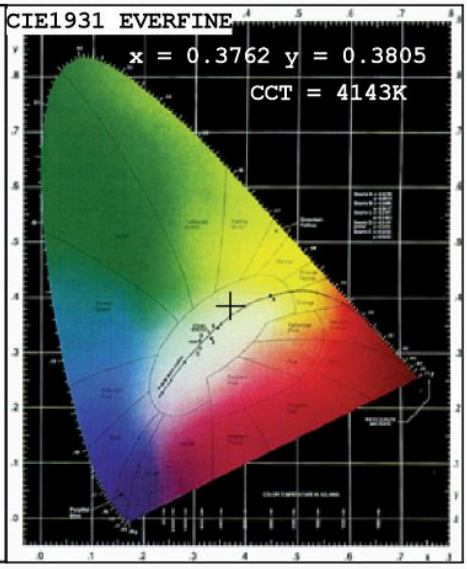
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,376 0,380
Parameters for directional light sources:				
Peak luminous intensity (cd)		449	Beam angle in degrees, or the range of beam 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 ϕ1)		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=0.3762 y=0.3805/u'=0.2208 v'=0.5026

CCT=4143K(Duv=0.0030) Dominant WL:Ld =576.8nm WL:Lc = --nm Purity=27.1%

Ratio:R=17.3% G=79.2% B=3.5%¡¡Peak WL:Lp=449.3nm FWHM=23.1nm

Render Index:Ra=80.7

R1 =78	R2 =86	R3 =94	R4 =80	R5 =78	R6 =82	R7 =86	
R8 =61	R9 =0	R10=69	R11=79	R12=60	R13=80	R14=97	R15=71

Photo Parameters:

Flux = 2136 lm Eff. : 89.16 lm/W Fe = 6.397 W

Electrical parameters:

V = 229.74 V I = 0.1781 A P = 23.96 W PF = 0.5855

WHITE:ANSI_4000K

Status: Integral T = 25 ms Ip = 46697 (71%)

Model:LED DOWNLIGHT FIXTURES	Number:92DLTS2440 WH
Tester:Atanas DAKOV	Date:2023-01-10 15:55:34
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:8840