

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: 92DL84TS1230/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

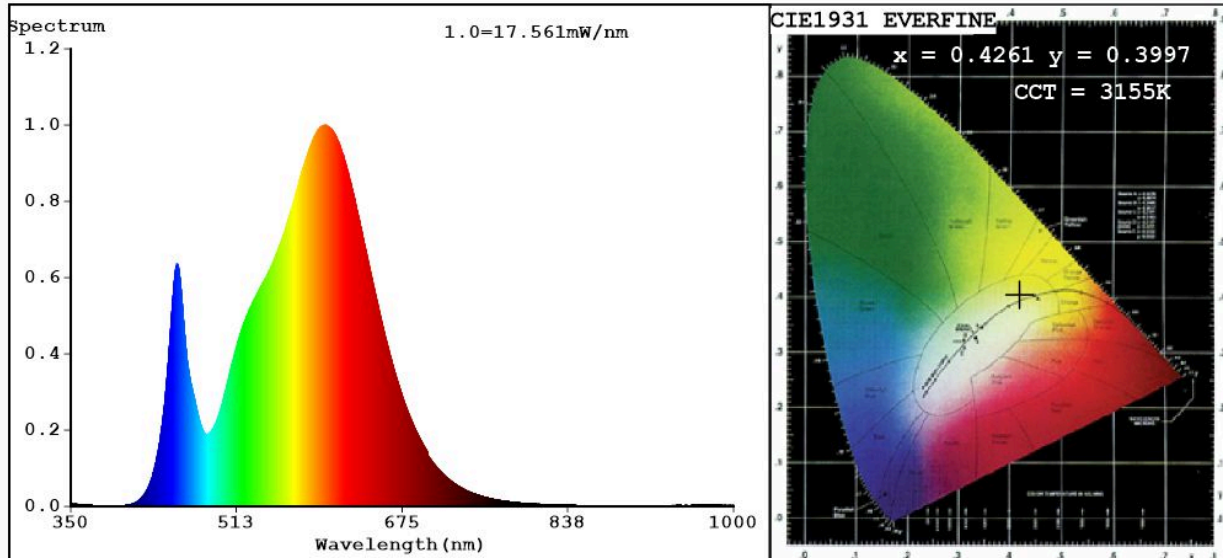
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	12	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	840 in Nar-row 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	3 000
On-mode power (P_{on}), expressed in W	12,4	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	80
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)	0,426 0,399	
Parameters for directional light sources:				
Peak luminous intensity (cd)	600	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)	0,50	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: $x=0.4261$ $y=0.3997$ / $u'=0.2455$ $v'=0.5180$
 CCT=3155K (Duv=-0.0002) Dominant WL:Ld =582.2nm WL:Lc = --nm Purity=47.9%
 Ratio:R=21.6% G=75.8% B=2.6% ; Peak WL:Lp=600.5nm FWHM=130.9nm
 Render Index:Ra=80.4

R1 =78	R2 =89	R3 =96	R4 =77	R5 =78	R6 =86	R7 =82
R8 =57	R9 =0	R10=74	R11=75	R12=63	R13=81	R14=98 R15=71

Photo Parameters:

Flux = 883.0 lm Eff. : 70.87 lm/W Fe = 2.645 W

Electrical parameters:

V = 229.92 V I = 0.09899 A P = 12.46 W PF = 0.5475

WHITE:ANSI_3000K

Status: Integral T = 57 ms Ip = 49955 (76%)

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

Number:92DL84TS1230 WH
 Date:2023-01-09 15:41:24
 Humidity:65.0%
 Remarks:8840