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: 99LED610IP65CW

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

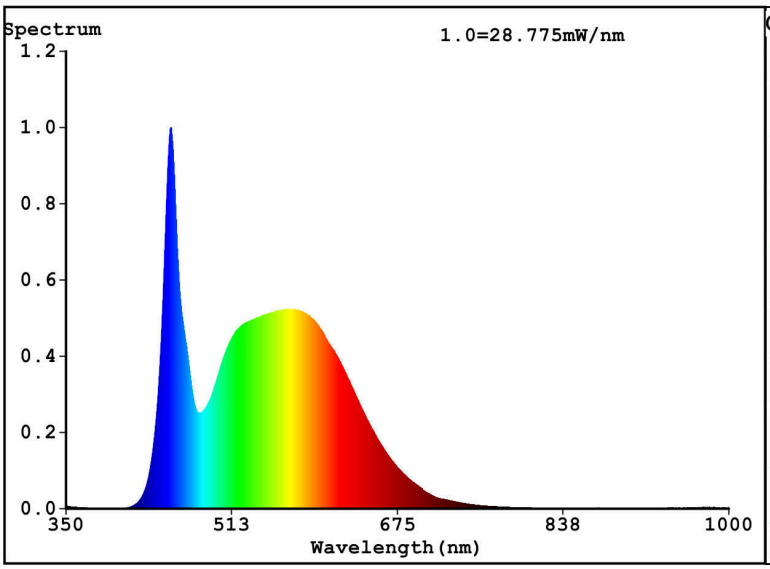
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	10	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 000 in Wide cone (120°)	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	6 000
On-mode power (P_{on}), expressed in W	11,9	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	81
Outer dimensions without separate control gear, lighting control — Height	170	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Outer dimensions without separate control gear, lighting control — Width	170		
Outer dimensions without separate control gear, lighting control — Depth	27		

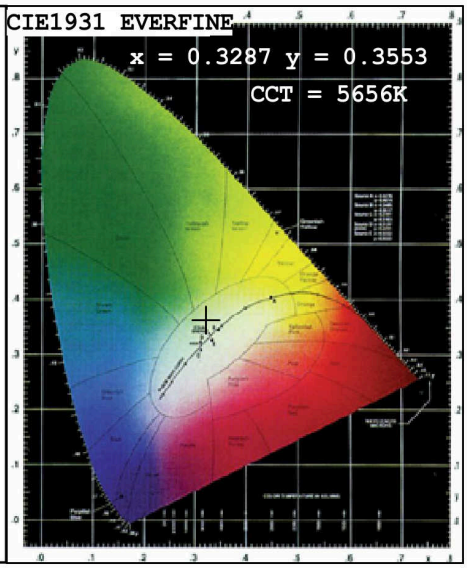
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,328 0,355
Parameters for directional light sources:				
Peak luminous intensity (cd)		316	Beam angle in degrees, or the range of beam angles that can be set	112
Parameters for LED and OLED light sources:				
R9 colour rendering index value		0	Survival factor	0,50
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,20	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=0.3287 y=0.3553/u'=0.1991 v'=0.4840

CCT=5656K(Duv=0.0087) Dominant WL:Ld =542.6nm WL:Lc = --nm Purity=5.4%

Ratio:R=13.8% G=81.0% B=5.2%¡¡Peak WL:Lp=453.0nm FWHM=20.2nm

Render Index:Ra=81.5 AvgR=73.7 TM30:Rf=83 Rg=92 Lav=546.6nm

R1 =78	R2 =87	R3 =94	R4 =79	R5 =79	R6 =83	R7 =87	
R8 =64	R9 =0	R10=71	R11=78	R12=55	R13=81	R14=97	R15=72

Photo Parameters:

Flux = 977.5 lm Eff. : 81.57 lm/W Fe = 3.017 W

Electrical parameters:

V = 225.19 V I = 0.1926 A P = 11.98 W PF = 0.2763

WHITE:OUT

Status: Integral T = 44 ms Ip = 53667 (82%)

Model:LED PANEL ROUND	Number:99LED610IP65CW
Tester:Atanas DAKOV	Date:2021-07-28 14:48:47
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:7593