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: 93PFLD6040/BL

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

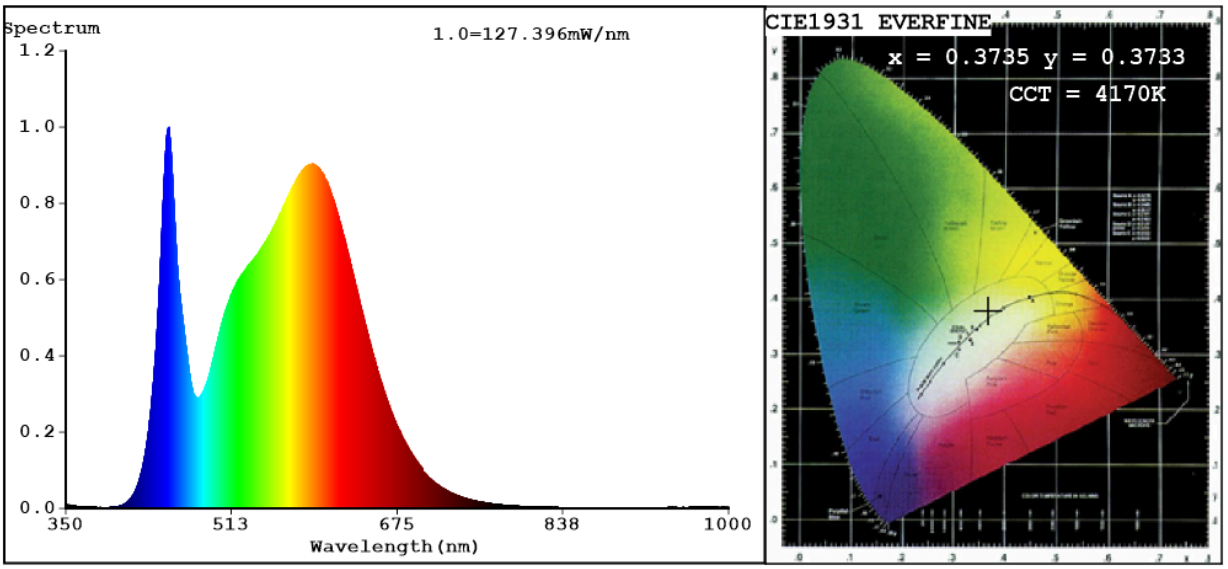
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	60	Energy efficiency class	E
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	6 600 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	59,0	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	82
Outer dimensions without separate control gear, lighting control — Height	270	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	36		
Outer dimensions without separate control gear, lighting control — Depth	180		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,377 0,377
Parameters for directional light sources:				
Peak luminous intensity (cd)		6 702	Beam angle in degrees, or the range of beam angles that can be set	58
Parameters for LED and OLED light sources:				
R9 colour rendering index value		2	Survival factor	1,00
the lumen maintenance factor		0,95		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,40	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=0.3735 y=0.3733/u'=0.2219 v'=0.4990

CCT=4170K(Duv=0.0004) Dominant WL:Ld =578.1nm WL:Lc = --nm Purity=24.1%

Ratio:R=17.6% G=78.6% B=3.9%¡¡Peak WL:Lp=451.3nm FWHM=24.5nm

Render Index:Ra=82.3

R1 =80	R2 =89	R3 =95	R4 =81	R5 =81	R6 =85	R7 =85	
R8 =62	R9 =1	R10=74	R11=80	R12=63	R13=82	R14=98	R15=74

Photo Parameters:

Flux = 6601 lm Eff. : 125.61 lm/W Fe = 20.05 W

Electrical parameters:

V = 229.49 V I = 0.4185 A P = 52.55 W PF = 0.5471

WHITE:ANSI_4000K

Status: Integral T = 7 ms Ip = 39998 (61%)

Model:LED INDOOR LIGHTING	Number:93PFLD6040 BL
Tester:Atanas DAKOV	Date:2022-09-08 11:05:40
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:8817