Product Information Sheet

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control

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light

commission D sources	ELEGATED REGUI	LATION (EU) 2019/2	015 with regard to ener	gy labelling of light		
Supplier's name	or trade mark:	ELMARK				
Supplier's address: ELMARK INDUSTRIES SC, bul.Dobrudja 2, 9300 Dobrich Dobrich, BG						
Model identifier: 93ZFLD1230/BL						
Type of light so	urce:					
Lighting technology used:		LED	Non-directional or directional:	DLS		
Light source cap-type		Integrated LED				
(or other electri	c interface)					
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		12	Energy efficiency class	E		
Useful luminous flux (φuse), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)		1 250 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		13,2	Standby power (P _{sb}), expressed in W and rounded to the sec- ond decimal	0,20		
Networked standby power (P _{net}) for CLS, expressed in W and rounded to the second decimal		0,20	Colour rendering in- dex, rounded to the nearest integer, or the range of CRI-val- ues that can be set	82		
Outer dimen-	Height	146	Spectral power dis-	See image		
sions without	Width	33	tribution in the	in last page		
separate con- trol gear, light-	Depth	66	range 250 nm to 800 nm, at full-load			

parts and non-			
lighting con-			
trol parts, if			
any (millime-			
tre)			
Claim of equivalent power ^(a)	-	If yes, equivalent	-
		power (W)	
		Chromaticity coordi-	0,440
		nates (x and y)	0,406
Parameters for directional light s	ources:		
Peak luminous intensity (cd)	1 321	Beam angle in de-	65
		grees, or the range	
		of beam angles that	
		can be set	
Parameters for LED and OLED lig	ht sources:	1	
R9 colour rendering index value	4	Survival factor	0,50
the lumen maintenance factor	0,95		
Parameters for LED and OLED ma	ains light sources	:	
displacement factor (cos φ1)	0,50	Colour consistency	4
		in McAdam ellipses	
Claims that an LED light source	_(b)	If yes then replace-	-
replaces a fluorescent light		ment claim (W)	
source without integrated bal-			
last of a particular wattage.			
Flicker metric (Pst LM)	0,5	Stroboscopic effect	0,2
		metric (SVM)	

(a)'-': not applicable;

(b)_{'-'} : not applicable;



Lightsource Test Report

Product Infomation

Product Number: 19

CIE Colorimetric Parameters

Chromaticity coordinates: x=0.4402 y=0.4061 u(u')=0.2518 v=0.3484 v'=0.5227

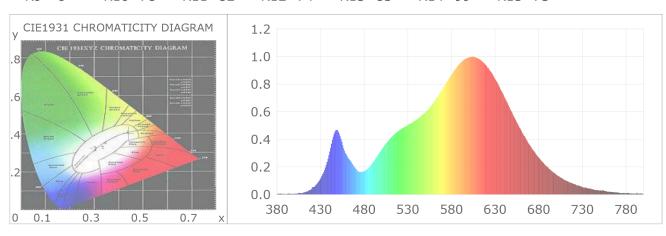
CCT: Tc=2962K (duv=0.00035) Color Ratio: R=0.231 G=0.745 B=0.024

Peak Wavelength: 604nm Half Bandwidth: 127.2nm Dominant Wavelength: 582.9nm Color Purity: 0.540

CRI: Ri: Ra= 82.5

R1 =81 R2 =90 R3 =97 R4 =82 R5 =81 R6 =89 R7 =82 R8 =58

R9 = 6 R10=78 R11=82 R12=74 R13=83 R14=99 R15=73



Photometric Parameters

Luminous Flux: 1233.4 lm Efficiency: 93.44 lm/W Radiant Power: 3.729 W

Electric Parameters

Voltage: 220.60V Current: 0.1020A Power: 13.20W

Power Factor: 0.5840 Frequency: 50.00Hz

Test Infomation

Scan Range: 380nm~800nm:1nm Photometric Method:

Stabilization Time: 6 Sec Photometric Condition: Sphere diameter: 1.50m, 4Π

Max of Signal: 44814 (3120) CCD Integration Time: 757.93 ms

Condition: Tx:26.4'C, Ti:25.6'C Test Device: Inventfine CMS-2S (Plus)

Test Lab: Test Time: 2022-03-31 19:56:26

Operator: Inspector: