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: 98FLOOD50S

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

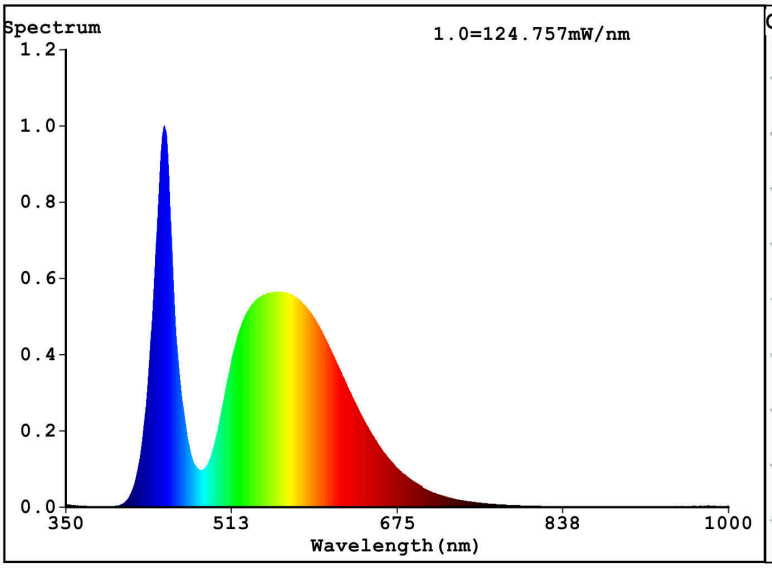
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	50	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	4 300 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	5 500
On-mode power (P_{on}), expressed in W	48,4	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	71
Outer dimensions without — Height	171	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	227		
Outer dimensions without — Depth	32		

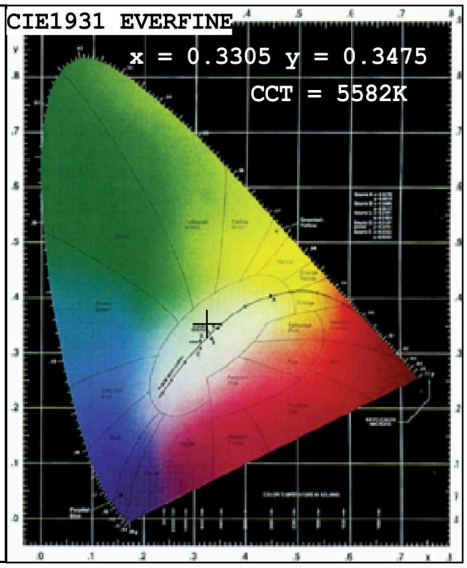
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,330 0,347
Parameters for directional light sources:				
Peak luminous intensity (cd)		446	Beam angle in degrees, or the range of beam angles that can be set	110
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)		0,90	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=0.3305 y=0.3475/u'=0.2031 v'=0.4805

CCT=5582K(Duv=0.0041) Dominant WL:Ld =543.3nm Purity=3.5%

Ratio:R=13.1% G=83.7% B=3.2%¡¡Peak WL:Lp=446.8nm FWHM=22.2nm

Render Index:Ra=71.1

R1 =69	R2 =74	R3 =78	R4 =73	R5 =71	R6 =66	R7 =80	
R8 =59	R9 =0	R10=39	R11=71	R12=43	R13=69	R14=87	R15=64

Photo Parameters:

Flux = 4243 lm Eff. : 87.51 lm/W Fe = 12.87 W

Electrical parameters:

V = 229.90 V I = 0.2172 A P = 48.48 W PF = 0.9709

WHITE:ANSI_5700K

Status: Integral T = 6 ms Ip = 40930 (62%)

Model:LED WORK FLOODLIGHTS/50W	Number:98FLOOD50S
Tester:Petya Marinova	Date:2019-02-20 10:41
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:O18V035B_5165