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: 98FLOOD30S

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

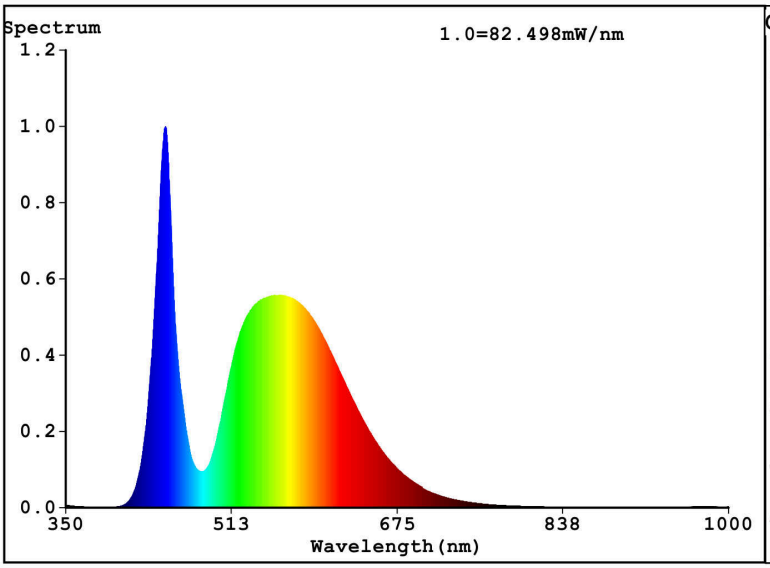
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	30	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	2 700 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	28,9	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	210	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	163		
Outer dimensions without — Depth	30		

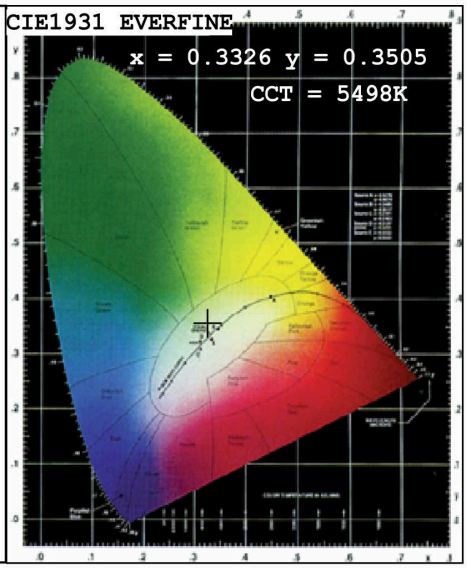
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,332 0,350
Parameters for directional light sources:				
Peak luminous intensity (cd)		447	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=0.3326 y=0.3505/u'=0.2034 v'=0.4823

CCT=5498K(Duv=0.0047) Dominant WL:Ld =552.3nm Purity=5.0%

Ratio:R=13.2% G=83.7% B=3.2%¡¡Peak WL:Lp=447.9nm FWHM=20.7nm

Render Index:Ra=71.1

R1 =69	R2 =75	R3 =78	R4 =73	R5 =70	R6 =66	R7 =80	
R8 =58	R9 =0	R10=40	R11=70	R12=41	R13=69	R14=88	R15=63

Photo Parameters:

Flux = 2768 lm Eff. : 95.48 lm/W Fe = 8.340 W

Electrical parameters:

V = 229.96 V I = 0.1262 A P = 28.99 W PF = 0.9990

WHITE:ANSI_5700K

Status: Integral T = 11 ms Ip = 49901 (76%)

Model:LED WORK FLOODLIGHTS/30W	Number:98FLOOD30S
Tester:Petya Marinova	Date:2019-02-20 10:36
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:O18V035B_5165