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: 93MFGL1830/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:	NMLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

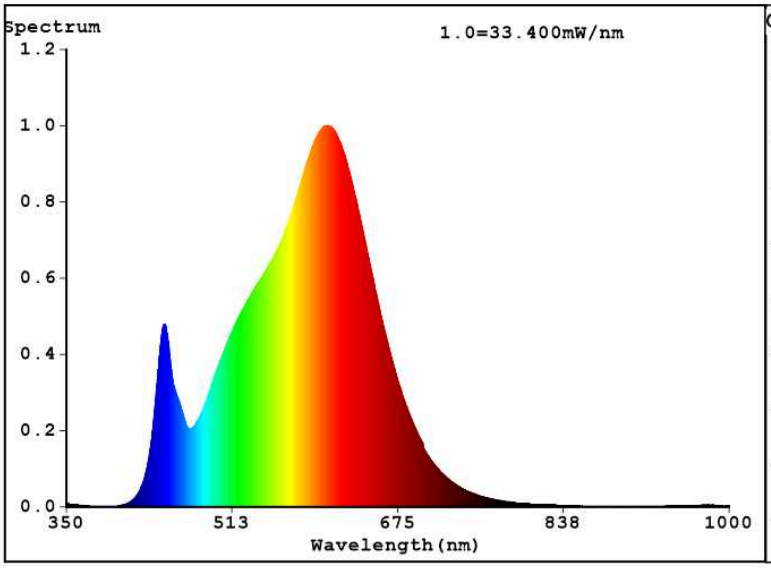
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 100 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	3 000
On-mode power (P_{on}), expressed in W	25,7	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	85
Outer dimensions without — Height	590	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	402		
Outer dimensions without — Depth	225		

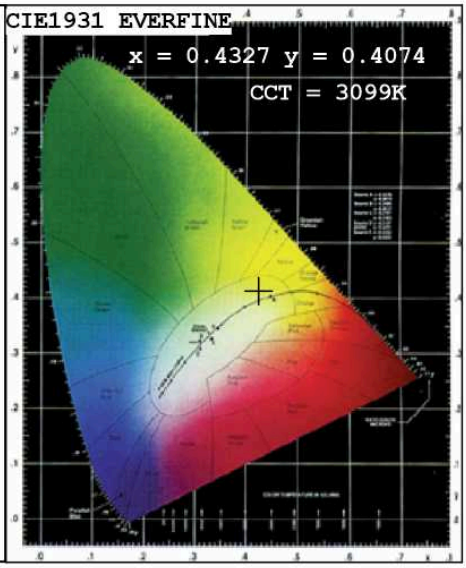
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,432 0,407
Parameters for directional light sources:				
Peak luminous intensity (cd)		606	Beam angle in degrees, or the range of beam angles that can be set	30
Parameters for LED and OLED light sources:				
R9 colour rendering index value		18	Survival factor	0,50
the lumen maintenance factor		0,93		

(a)'-' : not applicable;

(b)'-' : not applicable;

Spectrum Test Report





Color Parameters:

Chromaticity Coordinate:x=0.4327 y=0.4074/u'=0.2465 v'=0.5221

CCT=3099K(Duv=0.0019) Dominant WL:Ld =581.7nm WL:Lc = --nm Purity=52.2%

Ratio:R=22.6% G=74.6% B=2.8%¡¡Peak WL:Lp=606.1nm FWHM=139.0nm

Render Index:Ra=85.7 AvgR=80.6 TM30:Rf=87 Rg=96 Lav=588.7nm

R1 =84	R2 =92	R3 =98	R4 =85	R5 =85	R6 =91	R7 =86	
R8 =65	R9 =18	R10=81	R11=86	R12=77	R13=86	R14=99	R15=77

Photo Parameters:

Flux = 1676 lm Eff. : 65.19 lm/W Fe = 5.157 W

Electrical parameters:

V = 225.16 V I = 0.2889 A P = 25.71 W PF = 0.3953

WHITE:ANSI_3000K

Status: Integral T = 30 ms Ip = 44803 (68%)

Model: led floodlight
Tester:Atanas DAKOV
Temperature:25.3Deg
Manufacturer:ELMARK

Number:93MFGL1830 BL
Date:2021-11-17 15:36:48
Humidity:65.0%
Remarks:7876