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: 93MFFL1830/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

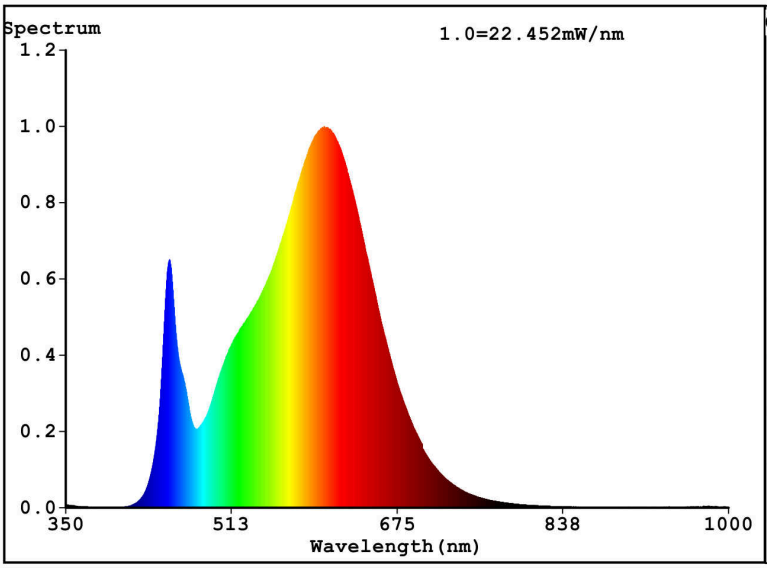
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 100 in 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	3 000
On-mode power (P_{on}), expressed in W	24,0	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	84
Outer dimensions without — Height	305	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	118		
Outer dimensions without — Depth	118		

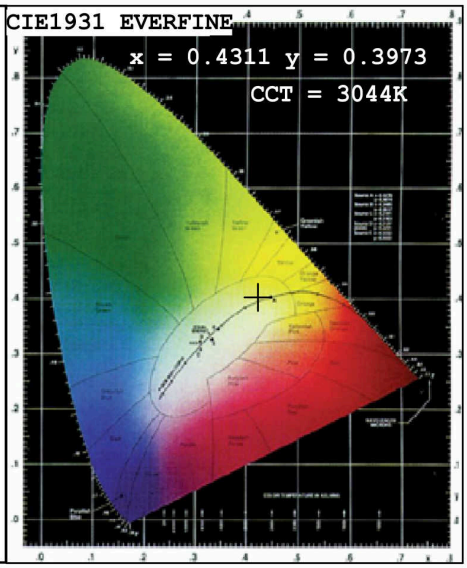
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,431 0,397
Parameters for directional light sources:				
Peak luminous intensity (cd)		603	Beam angle in degrees, or the range of beam angles that can be set	120
Parameters for LED and OLED light sources:				
R9 colour rendering index value		14	Survival factor	0,50
the lumen maintenance factor		0,93		

(a) '-' : not applicable;

(b) '-' : not applicable;

Spectrum Test Report





Color Parameters:

Chromaticity Coordinate:x=0.4311 y=0.3973/u'=0.2498 v'=0.5178

CCT=3044K(Duv=-0.0019) Dominant WL:Ld =583.4nm WL:Lc = --nm Purity=48.6%

Ratio:R=22.9% G=74.2% B=2.8%¡¡Peak WL:Lp=603.5nm FWHM=129.9nm

Render Index:Ra=84.0 AvgR=78.9 TM30:Rf=85 Rg=97 Lav=589.0nm

R1 =83	R2 =93	R3 =96	R4 =82	R5 =83	R6 =91	R7 =83	
R8 =61	R9 =14	R10=83	R11=81	R12=73	R13=85	R14=98	R15=76

Photo Parameters:

Flux = 1107 lm Eff. : 44.58 lm/W Fe = 3.439 W

Electrical parameters:

V = 225.17 V I = 0.2835 A P = 24.84 W PF = 0.3892

WHITE:ANSI_3000K

Status: Integral T = 38 ms Ip = 38167 (58%)

Model :LED floodlight	Number:93MFFL1830 BL
Tester:Atanas DAKOV	Date:2021-11-17 15:16:20
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:7876