

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: 99LED830W

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	E27		
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

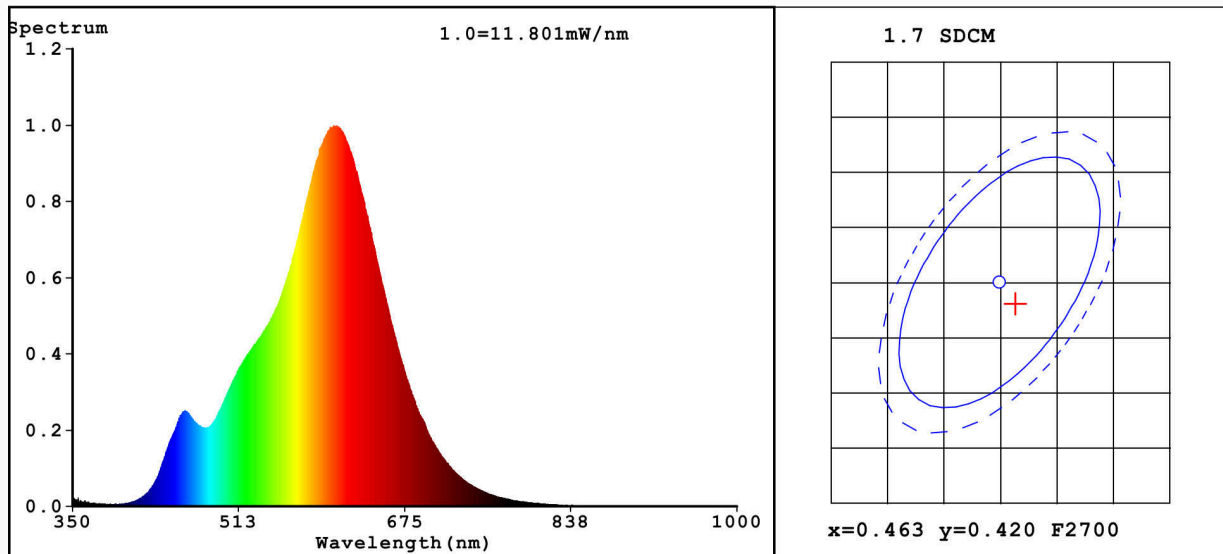
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	8	Energy efficiency class	E
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 000 in Sphere (360°)	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	4 000
On-mode power (P_{on}), expressed in W	8,0	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	Spectral power distribution in the	See image in last page
	Width		
	Depth		

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)	Yes	If yes, equivalent power (W)	75	
		Chromaticity coordinates (x and y)	0,378 0,381	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	12	Survival factor	0,54	
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,50	Colour consistency in McAdam ellipses	5	
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	Yes ^(b)	If yes then replacement claim (W)	5	
Flicker metric (Pst LM)	0,7	Stroboscopic effect metric (SVM)	0,3	

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4644$ $y=0.4180$ / $u'=0.2621$ $v'=0.5308$
 CCT=2695K (Duv=0.0023) Dominant WL:Ld =583.5nm WL:Lc = --nm Purity=64.9%
 Ratio:R=25.2% G=72.4% B=2.4% ☐ Peak WL:Lp=605.6nm FWHM=115.2nm
 Render Index:Ra=83.2 AvgR=78.3

R1 =82 R2 =93 R3 =94 R4 =81 R5 =83 R6 =93 R7 =82
 R8 =58 R9 =9 R10=85 R11=81 R12=80 R13=84 R14=97 R15=73

Photo Parameters:

Flux = 534.2 lm Eff. : 107.06 lm/W Fe = 1.671 W
 Scotopic:656.32 S/P:1.2286

Electrical parameters:

V = 230.28 V I = 0.03932 A P = 4.990 W PF = 0.5511

Status: Integral T = 507 ms Ip = 49544 (76%)

Model:C35 5W E14
 Tester:
 Temperature:25.3Deg
 Manufacturer:

Number:1
 Date:2021-06-17 20:10:48
 Humidity:65.0%
 Remarks: