

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: 93M20FGL0630/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):	Yes
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

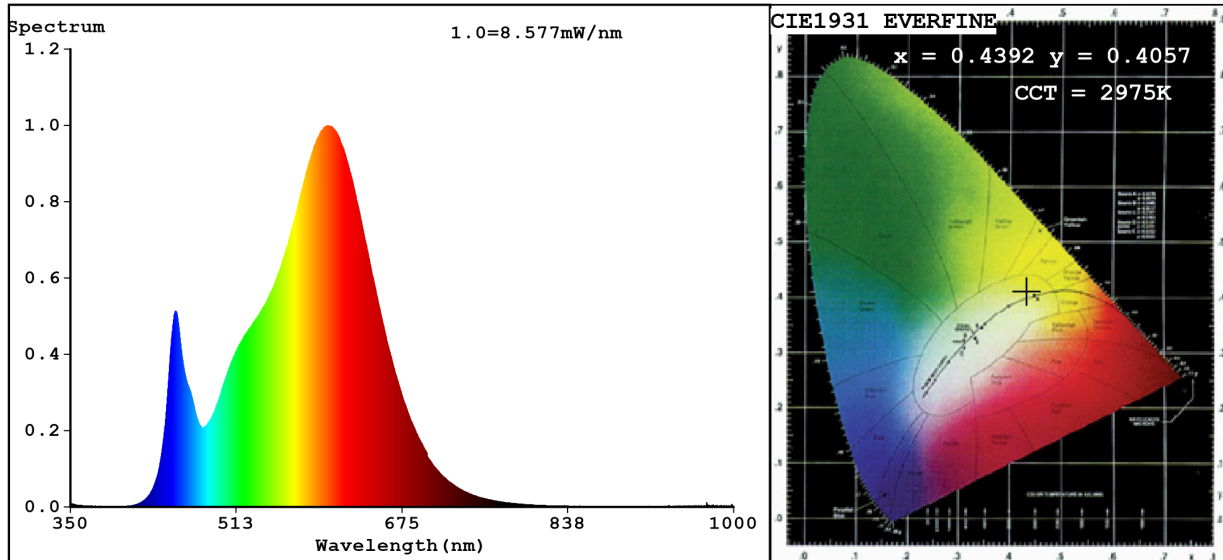
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	500 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	9,0	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,20
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	0,20	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	82
Outer dimensions without separate control gear, lighting control	Height	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,439 0,405	
Parameters for directional light sources:				
Peak luminous intensity (cd)	1 084	Beam angle in degrees, or the range of beam angles that can be set	38	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	4	Survival factor	0,50	
the lumen maintenance factor	0,95			

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4392$ $y=0.4057$ $u'=0.2513$ $v'=0.5224$
 CCT=2975K (Duv=0.0003) Dominant WL: $\lambda_d = 582.8nm$ WL: $\lambda_c = --nm$ Purity=53.6%
 Ratio: R=23.0% G=74.2% B=2.7% Peak WL: $\lambda_p = 603.1nm$ FWHM=121.3nm
 Render Index: $R_a = 82.1$

R1 =81	R2 =92	R3 =95	R4 =79	R5 =81	R6 =91	R7 =81
R8 =57	R9 =4	R10=82	R11=79	R12=72	R13=84	R14=98 R15=73

Photo Parameters:

Flux = 412.5 lm Eff. : 45.17 lm/W $\Phi_e = 1.245 W$

Electrical parameters:

V = 229.75 V I = 0.1022 A P = 9.132 W PF = 0.3890

WHITE:ANSI_3000K

Status: Integral T = 70 ms $I_p = 29411 (45\%)$

Model:LED INTERIOR LIGHTING
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:93M20FGL0630 BL
 Date:2022-10-20 14:56:57
 Humidity:65.0%
 Remarks:8751