

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: 93M20FGL0640/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

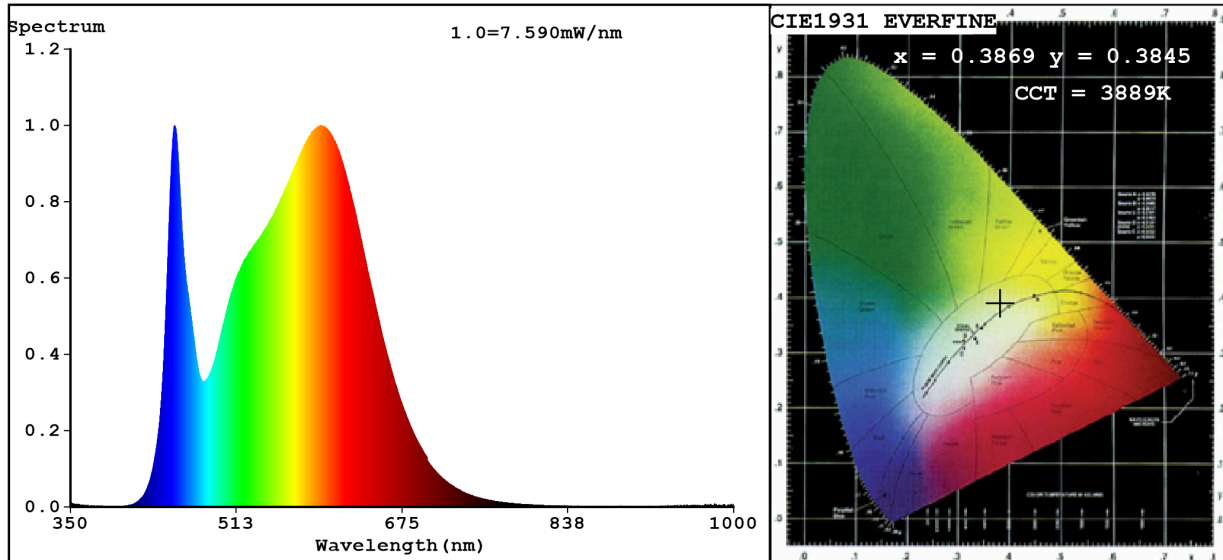
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	500 in Nar-row 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	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	0,20
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	83
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)	0,386 0,384	
Parameters for directional light sources:				
Peak luminous intensity (cd)	1 149	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	10	Survival factor	0,50	
the lumen maintenance factor	0,95			

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3869$ $y=0.3845$ $u'=0.2262$ $v'=0.5059$
 CCT=3889K (Duv=0.0018) Dominant WL: $L_d=578.6\text{nm}$ WL: $L_c = \text{--nm}$ Purity=31.5%
 Ratio: R=18.7% G=77.5% B=3.8% Peak WL: $L_p=595.2\text{nm}$ FWHM=149.9nm
 Render Index: $R_a=83.9$

R1 =82	R2 =91	R3 =96	R4 =82	R5 =82	R6 =88	R7 =86
R8 =64	R9 =10	R10=79	R11=81	R12=63	R13=85	R14=99 R15=76

Photo Parameters:

Flux = 430.9 lm Eff. : 48.55 lm/W $F_e = 1.305\text{ W}$

Electrical parameters:

V = 229.78 V I = 0.09989 A P = 8.877 W PF = 0.3867

WHITE:ANSI_4000K

Status: Integral T = 123 ms $I_p = 45735$ (70%)

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

Number:93M20FGL0640 BL
 Date:2022-10-20 14:59:54
 Humidity:65.0%
 Remarks:8751