

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: 93M20FFL0640/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

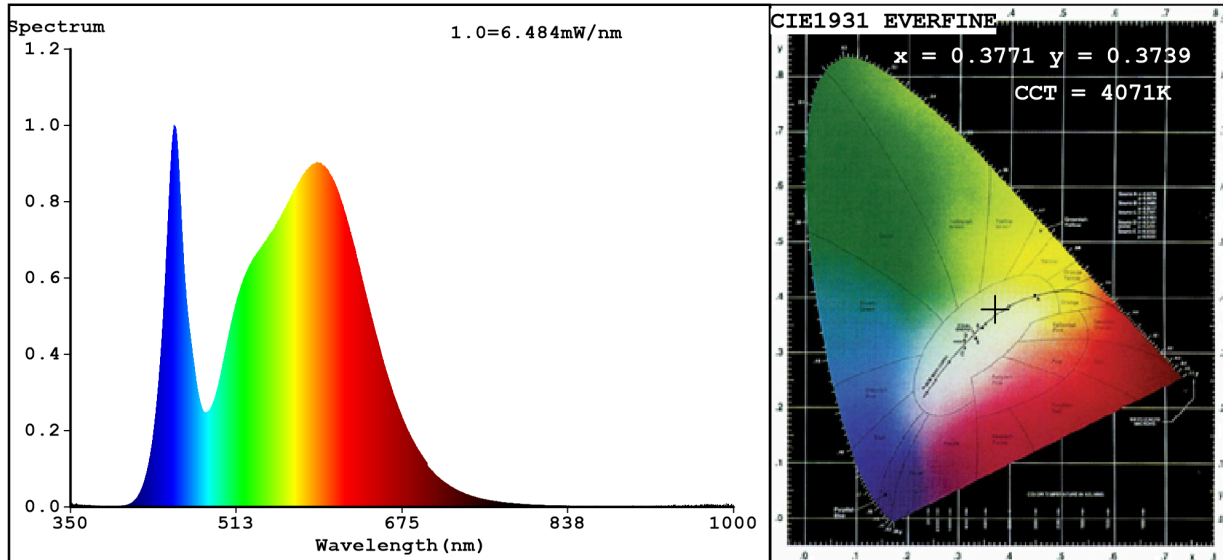
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	330 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	4 000
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	81
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)	0,377 0,373	
Parameters for directional light sources:				
Peak luminous intensity (cd)	137	Beam angle in degrees, or the range of beam angles that can be set	97	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	5	Survival factor	0,50	
the lumen maintenance factor	0,95			

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3771$ $y=0.3739$ $u'=0.2241$ $v'=0.4998$
 CCT=4071K (Duv=-0.0004) Dominant WL:Ld =579.0nm WL:Lc = --nm Purity=25.4%
 Ratio:R=18.0% G=78.5% B=3.5% Peak WL:Lp=451.6nm FWHM=24.4nm
 Render Index:Ra=81.8

R1 =80	R2 =88	R3 =93	R4 =80	R5 =80	R6 =83	R7 =86
R8 =64	R9 =5	R10=71	R11=79	R12=59	R13=82	R14=96 R15=75

Photo Parameters:

Flux = 337.5 lm Eff. : 37.14 lm/W Fe = 1.027 W

Electrical parameters:

V = 229.77 V I = 0.1015 A P = 9.089 W PF = 0.3898

WHITE:ANSI_4000K

Status: Integral T = 140 ms Ip = 40563 (62%)

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

Number:93M20FFL0640 BL
 Date:2022-10-20 14:47:14
 Humidity:65.0%
 Remarks:8751