

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: 98PRAGUE50SMD

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:	MLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

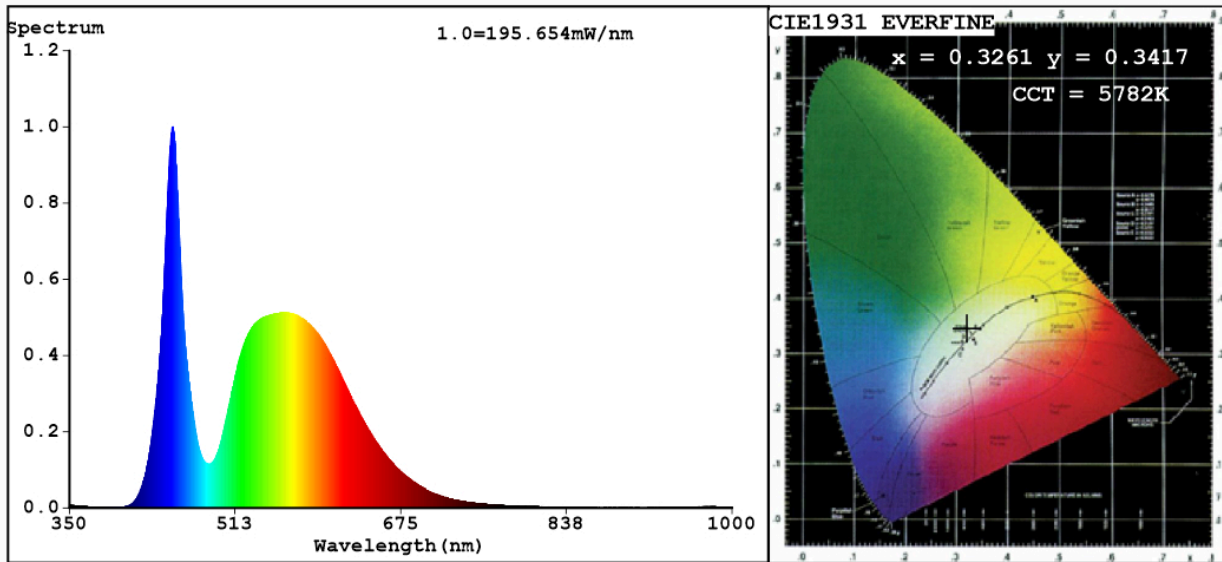
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	50	Energy efficiency class	D
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	6 000 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	5 700
On-mode power (P_{on}), expressed in W	49,6	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	74
Outer dimensions without separate control gear, lighting control	Height	410	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	200	
	Depth	82	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,326 0,341
Parameters for directional light sources:			
Peak luminous intensity (cd)	4 832	Beam angle in degrees, or the range of beam angles that can be set	106
Parameters for LED and OLED light sources:			
R9 colour rendering index value	0	Survival factor	0,50
the lumen maintenance factor	0,95		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,70	Colour consistency in McAdam ellipses	4
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	-(b)	If yes then replacement claim (W)	-
Flicker metric (Pst LM)	0,0	Stroboscopic effect metric (SVM)	0,0

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3261$ $y=0.3417/u'=0.2023$ $v'=0.4769$
 CCT=5782K (Duv=0.0032) Dominant WL:Ld =507.8nm WL:Lc = --nm Purity=2.2%
 Ratio:R=13.2% G=83.0% B=3.8%; Peak WL:Lp=451.6nm FWHM=20.6nm
 Render Index:Ra=74.3 AvgR=65.7 TM30:Rf=76 Rg=93 Lav=547.3nm

R1 =72 R2 =79 R3 =82 R4 =75 R5 =73 R6 =70 R7 =84
 R8 =61 R9 =0 R10=47 R11=71 R12=42 R13=73 R14=90 R15=68

Photo Parameters:

Flux = 6095 lm Eff. : 122.75 lm/W Fe = 18.68 W

Electrical parameters:

V = 229.90 V I = 0.2935 A P = 49.65 W PF = 0.7360

WHITE:ANSI_5700K

Status: Integral T = 5 ms Ip = 40661 (62%)

Model:LED STREET LITHG
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:98PRAGUE50SMD
 Date:2022-04-12 13:44:57
 Humidity:65.0%
 Remarks:MOSTRA