

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: 98PHOENIX960CW/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:	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

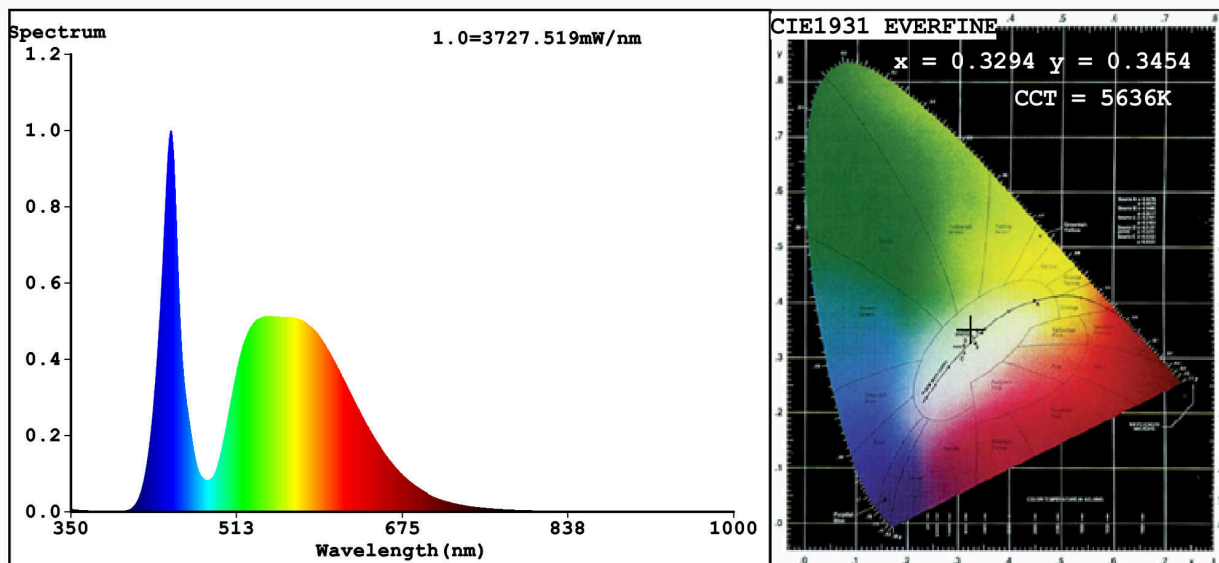
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	960	Energy efficiency class	E
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	99 999 in Narrow 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	5 500
On-mode power (P_{on}), expressed in W	960,0	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	72
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)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,329 0,345	
Parameters for directional light sources:				
Peak luminous intensity (cd)	447	Beam angle in degrees, or the range of beam angles that can be set	30	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	0	Survival factor	0,40	
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,90	Colour consistency in McAdam ellipses	3	
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)	0,4	Stroboscopic effect metric (SVM)	0,4	

(a) - : not applicable;

(b) - : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3294$ $y=0.3454$ / $u'=0.2031$ $v'=0.4793$
 CCT=5636K (Duv=0.0036) Dominant WL: $\lambda_d = 533.7\text{nm}$ WL: $\lambda_c = \text{--nm}$ Purity=2.6%
 Ratio: R=13.3% G=83.5% B=3.2%; Peak WL: $\lambda_p = 447.9\text{nm}$ FWHM=20.2nm
 Render Index: $R_a = 72.4$

R1 =71	R2 =75	R3 =78	R4 =74	R5 =72	R6 =67	R7 =80
R8 =61	R9 =0	R10=41	R11=73	R12=42	R13=71	R14=87
						R15=66

Photo Parameters:

Flux = 117465 lm Eff. : 123.04 lm/W $\Phi_e = 356.4\text{ W}$

Electrical parameters:

V = 218.51 V I = 4.551 A P = 954.7 W PF = 0.9600
 WHITE: ANSI_5700K

Status: Integral T = 0.4 ms $I_p = 48039$ (73%)

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

Number: 98PHOENIX960CW/BL
 Date: 2021-01-25 14:34:20
 Humidity: 65.0%
 Remarks: 7394