

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: 98PHOENIX720CW/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

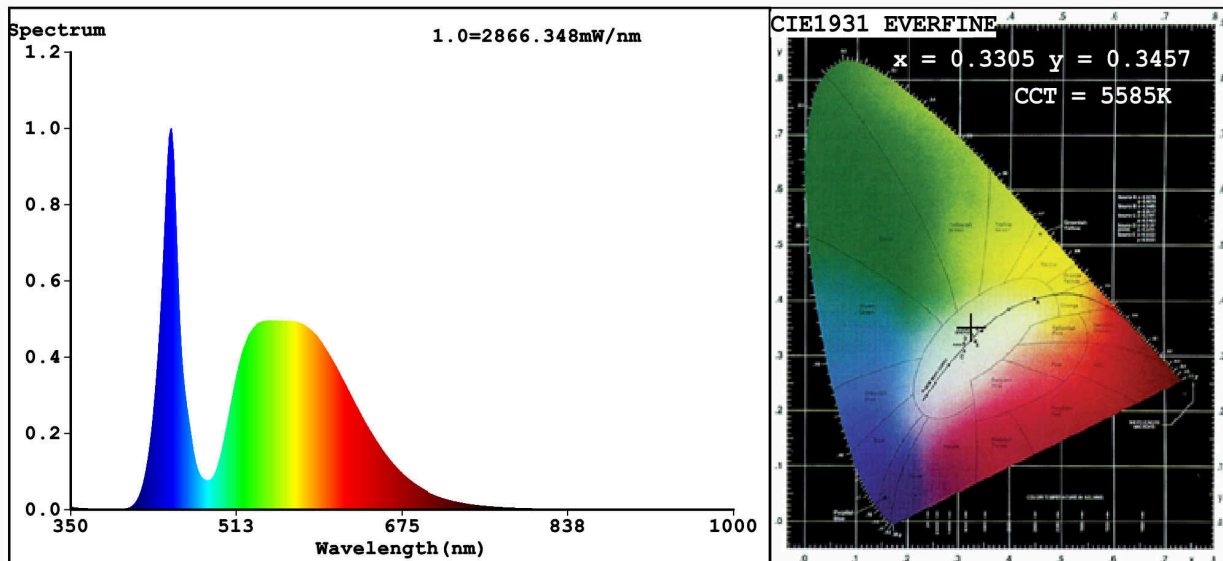
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	720	Energy efficiency class	E
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	82 000 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	720,0	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	70
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)	Yes	If yes, equivalent power (W)	23	
		Chromaticity coordinates (x and y)	0,346 0,359	
Parameters for directional light sources:				
Peak luminous intensity (cd)	448	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	4	
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	Yes ^(b)	If yes then replacement claim (W)	23	
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: $x=0.3305$ $y=0.3457$ $u'=0.2038$ $v'=0.4796$
 CCT=5585K (Duv=0.0032) Dominant WL: $\lambda_d = 541.2\text{nm}$ WL: $\lambda_c = \text{--nm}$ Purity=3.0%
 Ratio: R=13.4% G=83.5% B=3.1%; Peak WL: $\lambda_p = 448.6\text{nm}$ FWHM=19.0nm
 Render Index: $R_a = 72.3$

R1 =71	R2 =75	R3 =77	R4 =74	R5 =72	R6 =67	R7 =80
R8 =61	R9 =0	R10=41	R11=73	R12=41	R13=71	R14=87
						R15=66

Photo Parameters:

Flux = 87338 lm Eff. : 126.79 lm/W $P_e = 264.6\text{ W}$

Electrical parameters:

$V = 218.92\text{ V}$ $I = 3.290\text{ A}$ $P = 688.8\text{ W}$ PF = 0.9563
 WHITE: ANSI_5700K

Status: Integral T = 0.48 ms $I_p = 44047$ (67%)

Model: LED INDUSTRIAL LIGHTING	Number: 98PHOENIX720CW BL
Tester: Atanas DAKOV	Date: 2021-04-13 09:10:11
Temperature: 25.3Deg	Humidity: 65.0%
Manufacturer: ELMARK	Remarks: 7543