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: 98PHOENIX480CW/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

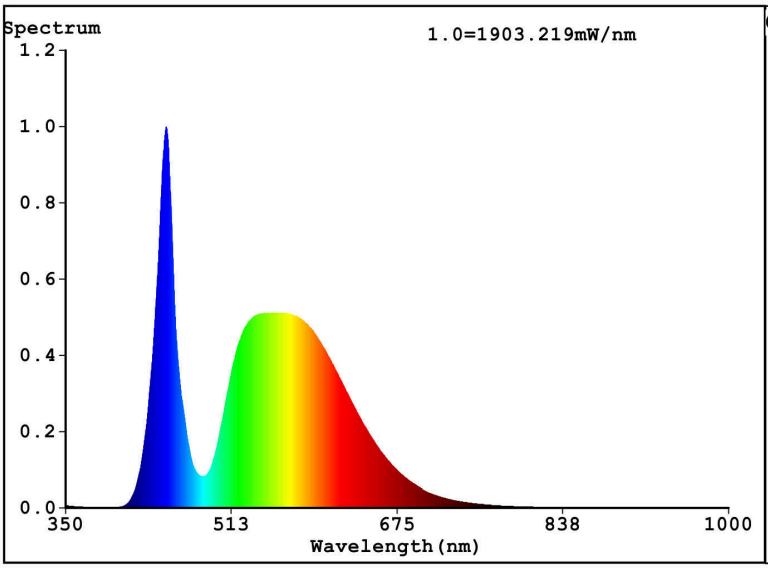
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	480	Energy efficiency class	E
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	55 000 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	481,0	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 separate control gear, lighting control — Height	201	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Outer dimensions without separate control gear, lighting control — Width	579		
Outer dimensions without separate control gear, lighting control — Depth	442		

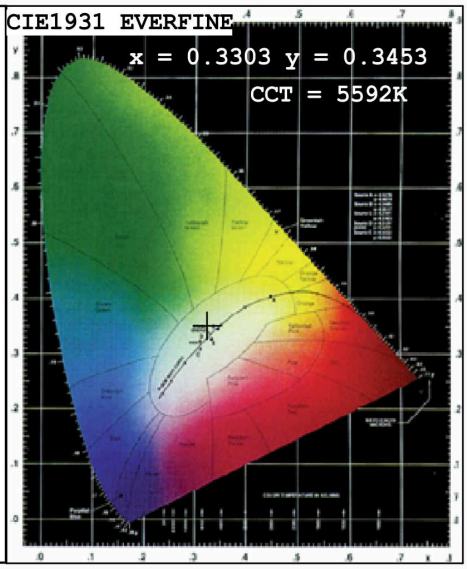
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,330 0,345
Parameters for directional light sources:				
Peak luminous intensity (cd)		114 128	Beam angle in degrees, or the range of beam angles that can be set	27
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 ϕ1)		0,90	Colour consistency in McAdam ellipses	5
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=0.3303 y=0.3453/u'=0.2038 v'=0.4793

CCT=5592K(Duv=0.0031) Dominant WL:Ld =539.7nm WL:Lc = --nm Purity=2.8%

Ratio:R=13.4% G=83.4% B=3.2%¡¡Peak WL:Lp=448.6nm FWHM=20.0nm

Render Index:Ra=72.5

R1 =71	R2 =76	R3 =78	R4 =74	R5 =72	R6 =67	R7 =81	
R8 =61	R9 =0	R10=41	R11=73	R12=42	R13=71	R14=87	R15=66

Photo Parameters:

Flux = 59716 lm Eff. : 129.74 lm/W Fe = 181.6 W

Electrical parameters:

V = 219.23 V I = 2.245 A P = 460.3 W PF = 0.9351

WHITE:ANSI_5700K

Status: Integral T = 0.6 ms Ip = 36545 (56%)

Model:LED INDUSTRIAL LIGHTING	Number:98PHOENIX480CW BL
Tester:Atanas DAKOV	Date:2021-04-13 08:56:03
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:7543