

Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

Supplier's name or trade mark: STELLAR

Supplier's address: ELMARK INDUSTRIES SC, bul.Dobrudja 2, 9300 Dobrich Dobrich, BG

Model identifier: 98HELIOS10/WH

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

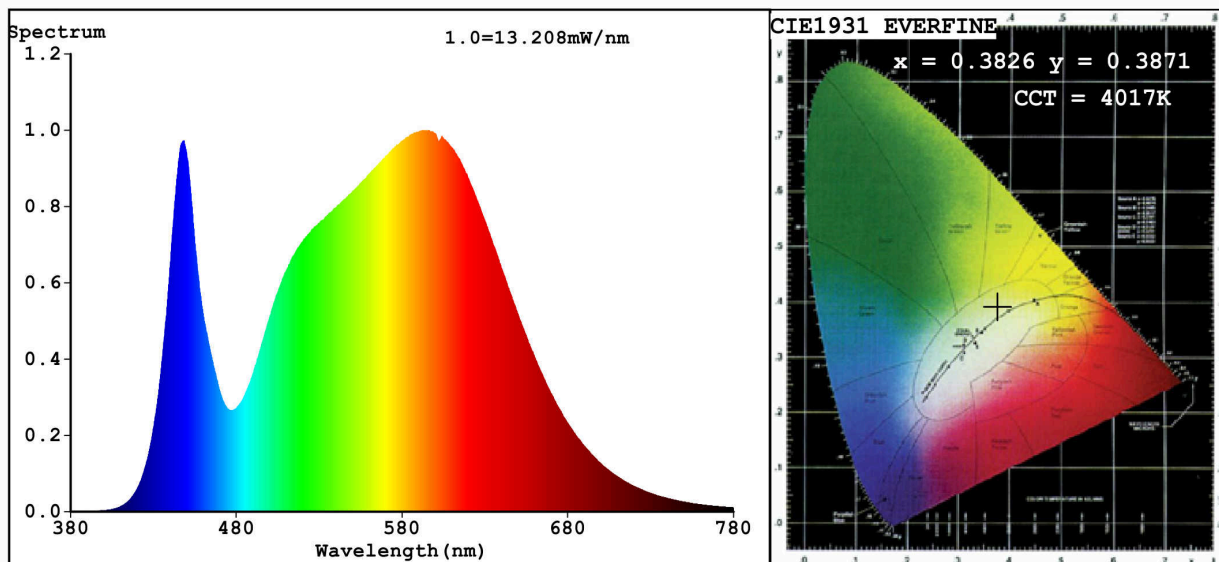
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	10	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	890 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	10,3	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	82
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)	0,382 0,387	
Parameters for directional light sources:				
Peak luminous intensity (cd)	348	Beam angle in degrees, or the range of beam angles that can be set	113	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	0	Survival factor	0,50	
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	1	
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)	0,6	Stroboscopic effect metric (SVM)	0,2	

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3826$ $y=0.3871$ $u'=0.2224$ $v'=0.5064$

CCT=4017K(Duv=0.0042) Dominant WL:Ld =577.0nm Purity=31.0%

Ratio:R=17.9% G=78.7% B=3.3%; Peak WL:Lp=593.8nm FWHM=152.1nm

Render Index:Ra=82.2

R1 =80	R2 =87	R3 =93	R4 =82	R5 =80	R6 =83	R7 =87
R8 =65	R9 =5	R10=69	R11=82	R12=62	R13=81	R14=96
						R15=73

Photo Parameters:

Flux = 782.4 lm Eff. : 83.99 lm/W Fe = 2.334 W

Electrical parameters:

V = 229.96 V I = 0.04328 A P = 9.315 W PF = 0.9359

WHITE:ANSI_4000K

Status: Integral T = 54 ms Ip = 45729 (70%)

Model:HELIOS SMD/10W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:98HELIOS10/WH
Date:2019-06-24 15:57
Humidity:65.0%
Remarks:018V053A_5764