

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: 98HELIOS100/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):	Yes
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

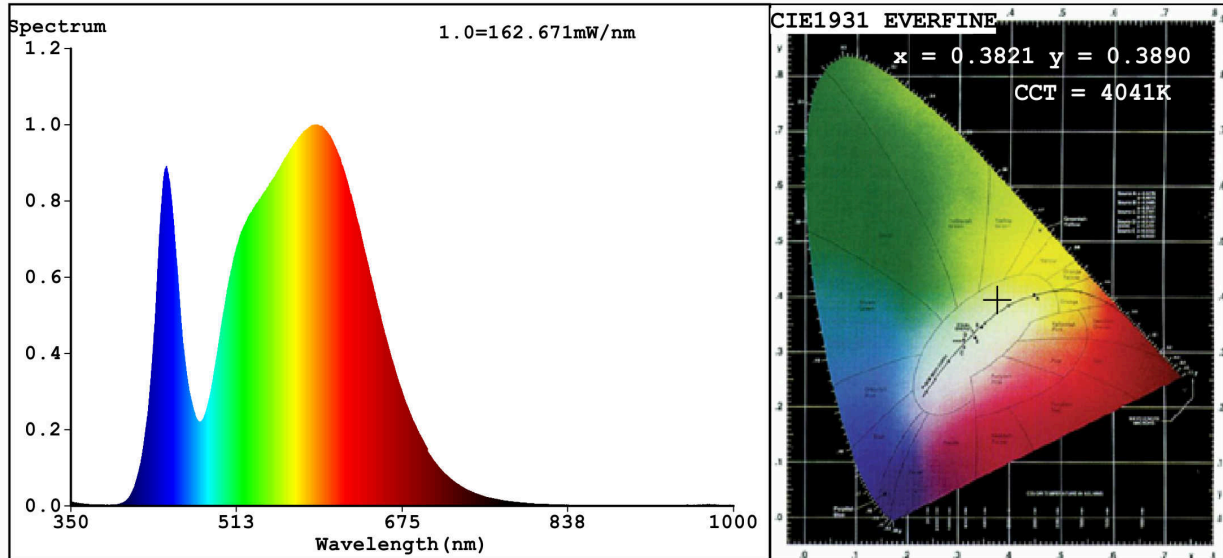
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	100	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	8 000 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	96,0	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,20
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	0,20	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	80
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 0,389	
Parameters for directional light sources:				
Peak luminous intensity (cd)	2 384	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	4	Survival factor	0,90	
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: $x=0.3821$ $y=0.3890$ $u'=0.2214$ $v'=0.5071$
 CCT=4041K (Duv=0.0051) Dominant WL: $\lambda_d = 576.4\text{nm}$ WL: $\lambda_c = \text{--nm}$ Purity=31.4%
 Ratio: R=17.6% G=79.4% B=3.1%; Peak WL: $\lambda_p = 592.1\text{nm}$ FWHM=154.1nm
 Render Index: $R_a = 80.7$

R1 =78	R2 =84	R3 =91	R4 =82	R5 =79	R6 =80	R7 =87
R8 =65	R9 =4	R10=64	R11=81	R12=62	R13=79	R14=95 R15=72

Photo Parameters:

Flux = 9782 lm Eff. : 101.20 lm/W $\Phi_e = 29.53\text{ W}$

Electrical parameters:

V = 219.75 V I = 0.4521 A P = 96.65 W PF = 0.9729

WHITE: ANSI_4000K

Status: Integral T = 4 ms $I_p = 33189$ (51%)

Model: LED FLOODLIGHT
 Tester: Atanas DAKOV
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 98HELIOS100/WH
 Date: 2020-12-14 11:39:34
 Humidity: 65.0%
 Remarks: 6944