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: 98HELIOS50/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

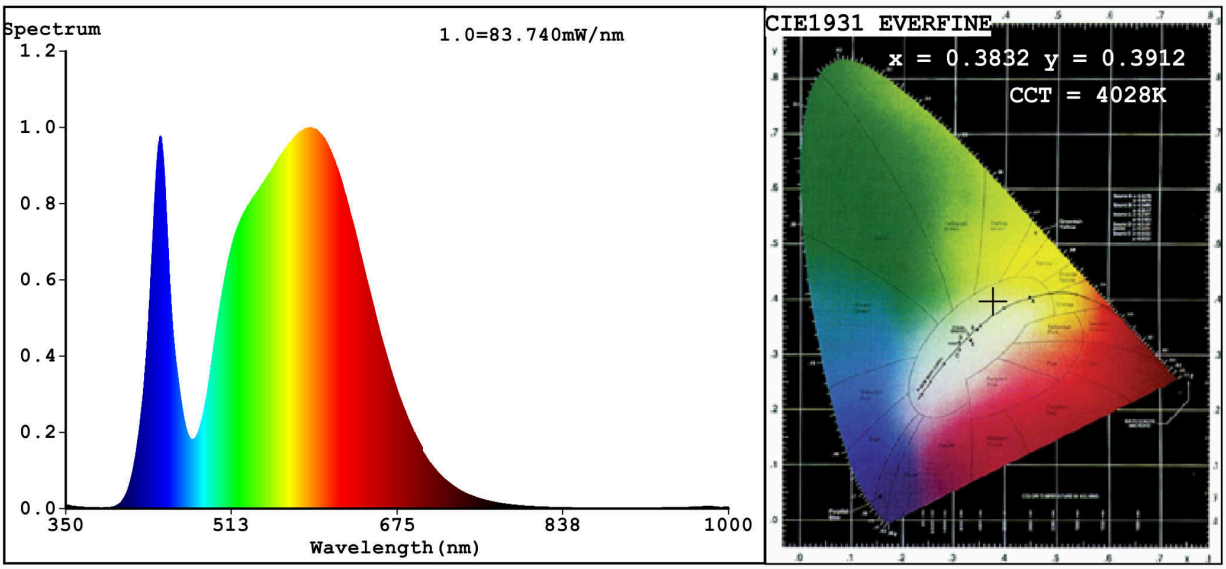
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	50	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	4 000 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	49,1	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	79
Outer dimensions without separate control gear, lighting control — Height	205	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	160		
Outer dimensions without separate control gear, lighting control — Depth	30		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,383 0,391
Parameters for directional light sources:				
Peak luminous intensity (cd)		1 468	Beam angle in degrees, or the range of beam angles that can be set	107
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 ϕ1)		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)		0,0	Stroboscopic effect metric (SVM)	0,0

[(a)] '-' : not applicable;

[(b)] '-' : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.3832 y=0.3912/u'=0.2213 v'=0.5082

CCT=4028K(Duv=0.0058) Dominant WL:Ld =576.2nm WL:Lc = --nm Purity=32.4%

Ratio:R=17.5% G=79.6% B=2.8%¡¡Peak WL:Lp=589.8nm FWHM=155.7nm

Render Index:Ra=79.8

R1 =78	R2 =83	R3 =89	R4 =82	R5 =78	R6 =78	R7 =86	
R8 =65	R9 =4	R10=61	R11=81	R12=61	R13=78	R14=94	R15=71

Photo Parameters:

Flux = 5081 lm Eff. : 103.47 lm/W Fe = 15.39 W

Electrical parameters:

V = 219.82 V I = 0.2293 A P = 49.11 W PF = 0.9744

WHITE:ANSI_4000K

Status: Integral T = 12 ms Ip = 51528 (79%)

Model:LED FLOODLING	Number:98HELIOS50/WH
Tester:Atanas DAKOV	Date:2020-12-14 11:25:23
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:6944