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

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

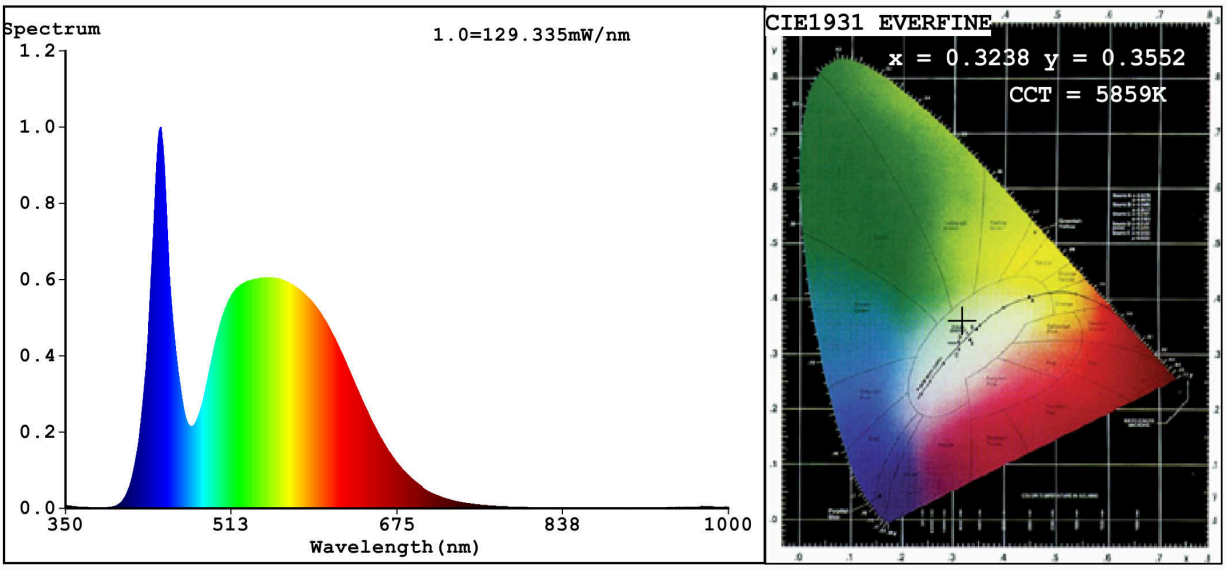
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	50	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	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	5 500
On-mode power (P_{on}), expressed in W	50,0	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	78
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)	0,323 0,355
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	110
Parameters for LED and OLED light sources:			
R9 colour rendering index value	0	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=0.3238 y=0.3552/u'=0.1958 v'=0.4833

CCT=5859K(Duv=0.0109) Dominant WL:Ld =525.8nm WL:Lc = --nm Purity=4.5%

Ratio:R=13.1% G=82.3% B=4.6%¡¡Peak WL:Lp=443.8nm FWHM=23.1nm

Render Index:Ra=78.7

R1 =75	R2 =81	R3 =88	R4 =80	R5 =78	R6 =78	R7 =85	
R8 =65	R9 =0	R10=58	R11=81	R12=64	R13=76	R14=94	R15=67

Photo Parameters:

Flux = 5042 lm Eff. : 103.98 lm/W Fe = 15.74 W

Electrical parameters:

V = 219.90 V I = 0.2269 A P = 48.49 W PF = 0.9719

WHITE:OUT

~~Status: Integral T = 9 ms Ip = 49940 (76%)~~

Model:LED FLOODLIGHT	Number:98HELIOS50
Tester:Atanas DAKOV	Date:2020-08-28 11:10:11
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:6856