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: 98STREAM9

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

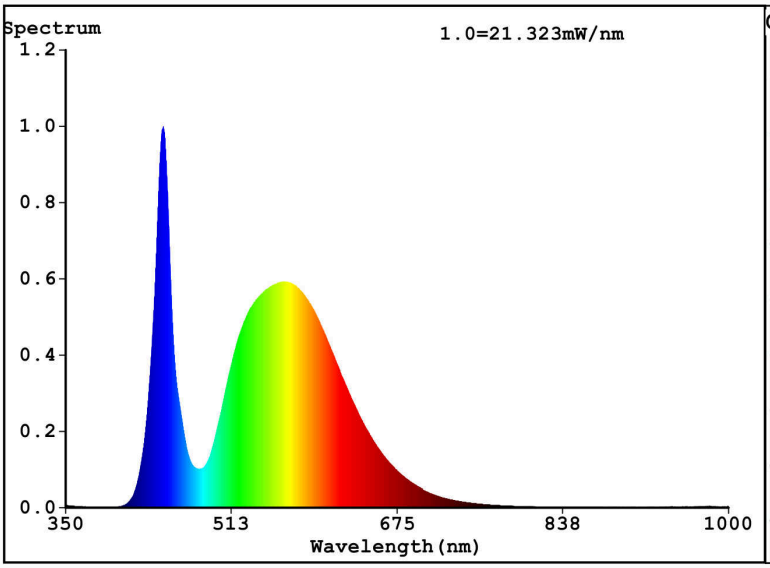
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	9	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	740 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	9,3	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	68
Outer dimensions without — Height	300	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	50		
Outer dimensions without — Depth	56		

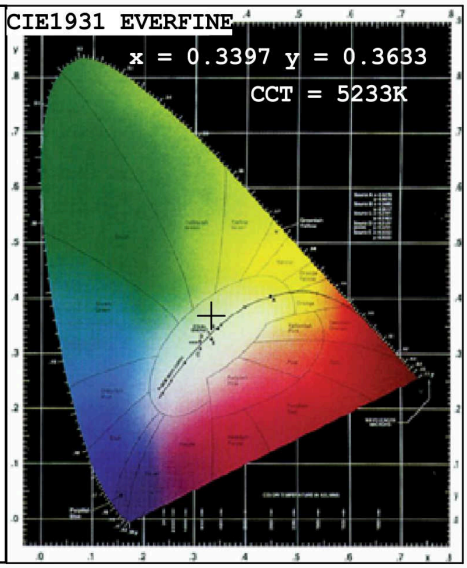
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,339 0,363
Parameters for directional light sources:				
Peak luminous intensity (cd)		445	Beam angle in degrees, or the range of beam angles that can be set	60
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 ϕ1)		0,40	Colour consistency in McAdam ellipses	0
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=0.3397 y=0.3633/u'=0.2034 v'=0.4895

CCT=5233K(Duv=0.0079) Dominant WL:Ld =562.6nm Purity=11.0%

Ratio:R=12.9% G=84.2% B=2.9%¡¡Peak WL:Lp=445.8nm FWHM=18.3nm

Render Index:Ra=68.0

R1 =64	R2 =72	R3 =80	R4 =69	R5 =66	R6 =64	R7 =78	
R8 =51	R9 =0	R10=36	R11=66	R12=39	R13=65	R14=89	R15=57

Photo Parameters:

Flux = 740.0 lm Eff. : 79.35 lm/W Fe = 2.150 W

Electrical parameters:

V = 229.94 V I = 0.08713 A P = 9.325 W PF = 0.4655

WHITE:ANSI_5000K

Status: Integral T = 50 ms Ip = 45732 (70%)

Model:STREAM STELLAR/9W	Number:98STREAM9
Tester:Petya Marinova	Date:2017-10-04 10:40
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:O17V032A_4027