

Product Information Sheet

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

Supplier's name or trade mark: ELMARK

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

Model identifier: 98STREAM36

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:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

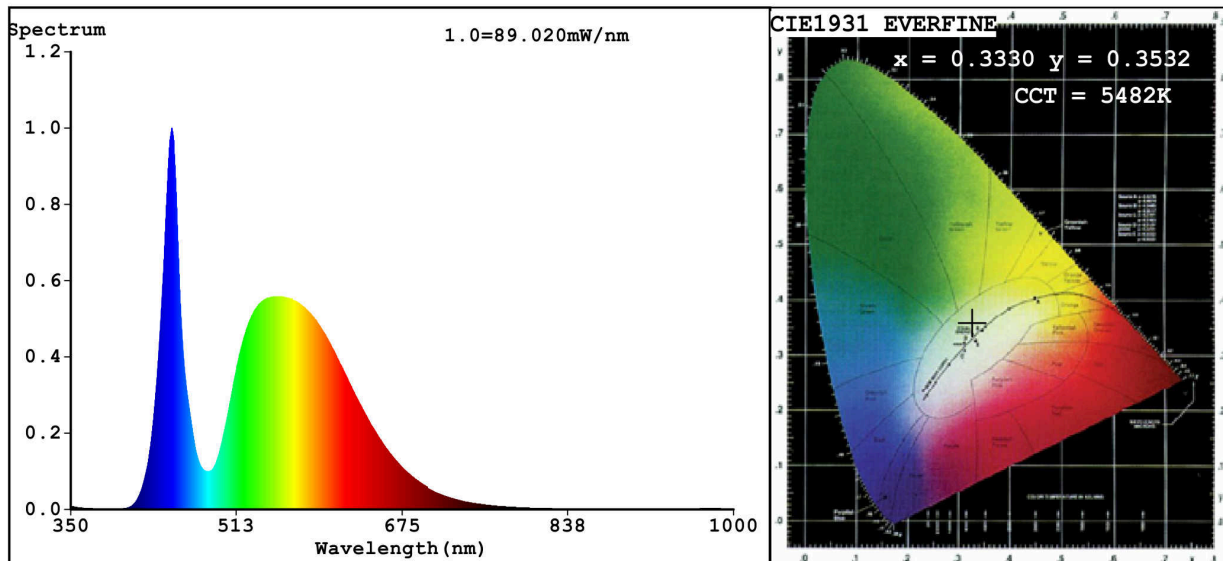
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	36	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	2 900 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	37,3	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	71
Outer dimensions without	Height	Spectral power distribution in the	See image in last page
	Width		
	Depth		

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)	0,330 0,353	
Parameters for directional light sources:				
Peak luminous intensity (cd)	449	Beam angle in degrees, or the range of beam angles that can be set	120	
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	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: $x=0.3330$ $y=0.3532$ $u'=0.2027$ $v'=0.4837$
 CCT=5482K (Duv=0.0059) Dominant WL: $\lambda_d = 553.7\text{nm}$ WL: $\lambda_c = \text{--nm}$ Purity=5.9%
 Ratio: R=13.2% G=83.6% B=3.2% ; Peak WL: $\lambda_p = 449.2\text{nm}$ FWHM=20.0nm
 Render Index: Ra=71.6

R1 =69	R2 =75	R3 =79	R4 =73	R5 =70	R6 =66	R7 =81
R8 =59	R9 =0	R10=40	R11=70	R12=40	R13=69	R14=88
						R15=64

Photo Parameters:

Flux = 2984 lm Eff. : 79.81 lm/W $\Phi_e = 8.985\text{ W}$

Electrical parameters:

V = 219.97 V I = 0.1755 A P = 37.39 W PF = 0.9684

WHITE: ANSI_5700K

Status: Integral T = 16 ms $I_p = 52731$ (80%)

Model: LED INDUSTRIAL LIGHTING
 Tester: Atanas DAKOV
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 98STREAM36
 Date: 2020-08-06 09:05:31
 Humidity: 65.0%
 Remarks: 6855