

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: 98STREET180

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
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

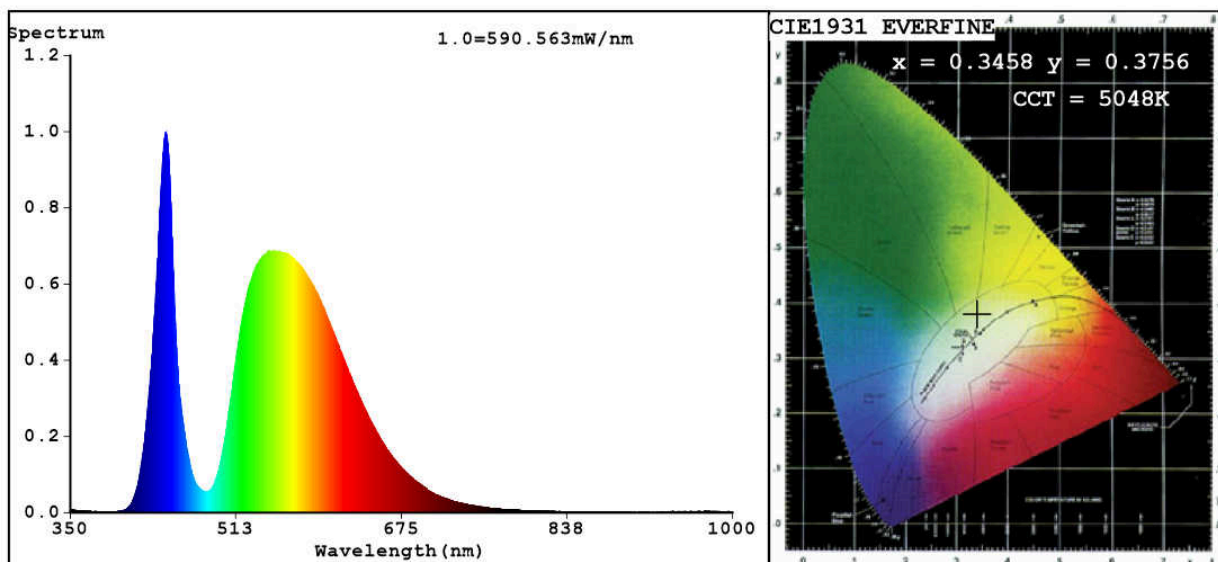
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	180	Energy efficiency class	E
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	22 000 in Sphere (360°)	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	5 000
On-mode power (P_{on}), expressed in W	181,0	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	63
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)	0,345 0,375	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	0	Survival factor	0,90	
the lumen maintenance factor	0,50			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,93	Colour consistency in McAdam ellipses	4	
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)	0,5	Stroboscopic effect metric (SVM)	0,2	

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3458$ $y=0.3756$ $u'=0.2029$ $v'=0.4960$

$CCT=5048K$ ($Duv=0.0113$) Dominant WL: $\lambda_d = 565.0nm$ Purity=16.5%

Ratio: R=12.7% G=85.3% B=2.0%; Peak WL: $\lambda_p = 443.8nm$ FWHM=20.7nm

Render Index: $R_a=63.3$

R1 = 60	R2 = 67	R3 = 74	R4 = 65	R5 = 61	R6 = 57	R7 = 75
R8 = 49	R9 = 0	R10 = 23	R11 = 62	R12 = 30	R13 = 59	R14 = 85
						R15 = 52

Photo Parameters:

Flux = 23213 lm Eff. : 128.21 lm/W $\Phi_e = 65.97 W$

Electrical parameters:

$V = 219.97 V$ $I = 0.8679 A$ $P = 181.0 W$ PF = 0.9484

WHITE:OUT

Status: Integral T = 1 ms $I_p = 25761 (39\%)$

Model: STREET180/180W
Tester: Petya Marinova
Temperature: 25.3Deg
Manufacturer: ELMARK

Number: 98STREET180
Date: 2016-02-22 16:31
Humidity: 65.0%
Remarks: HZB2015112401_1 2704