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: 9EL1183640

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

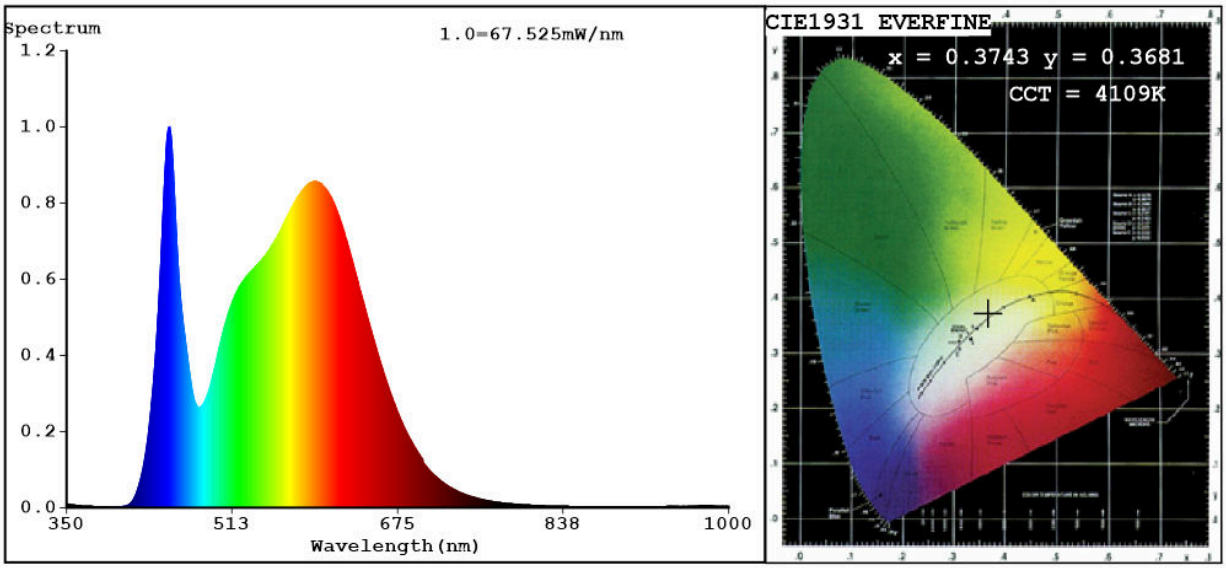
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	36	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	3 000 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	35,5	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	84
Outer dimensions without separate control gear, lighting control — Height	1 210	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	53		
Depth	28		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,374 0,368
Parameters for directional light sources:				
Peak luminous intensity (cd)		1 074	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		17	Survival factor	0,50
the lumen maintenance factor		0,95		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,90	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)		0,2	Stroboscopic effect metric (SVM)	0,4

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

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

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.3743 y=0.3681/u'=0.2245 v'=0.4968

CCT=4109K(Duv=-0.0023) Dominant WL:Ld =580.1nm WL:Lc = --nm Purity=22.8%

Ratio:R=18.3% G=77.9% B=3.8%¡¡Peak WL:Lp=451.0nm FWHM=23.9nm

Render Index:Ra=84.6

R1 =84	R2 =90	R3 =95	R4 =84	R5 =84	R6 =86	R7 =87	
R8 =68	R9 =17	R10=77	R11=83	R12=66	R13=85	R14=97	R15=78

Photo Parameters:

Flux = 3350 lm Eff. : 94.32 lm/W Fe = 10.49 W

Electrical parameters:

V = 229.87 V I = 0.1583 A P = 35.51 W PF = 0.9762

WHITE:ANSI_4000K

Status: Integral T = 16 ms Ip = 46680 (71%)

Model:ROAD FIXTURES	Number:9EL1183640
Tester:Atanas DAKOV	Date:2023-01-09 09:36:46
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:9075