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: 92DLOM2027/S

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

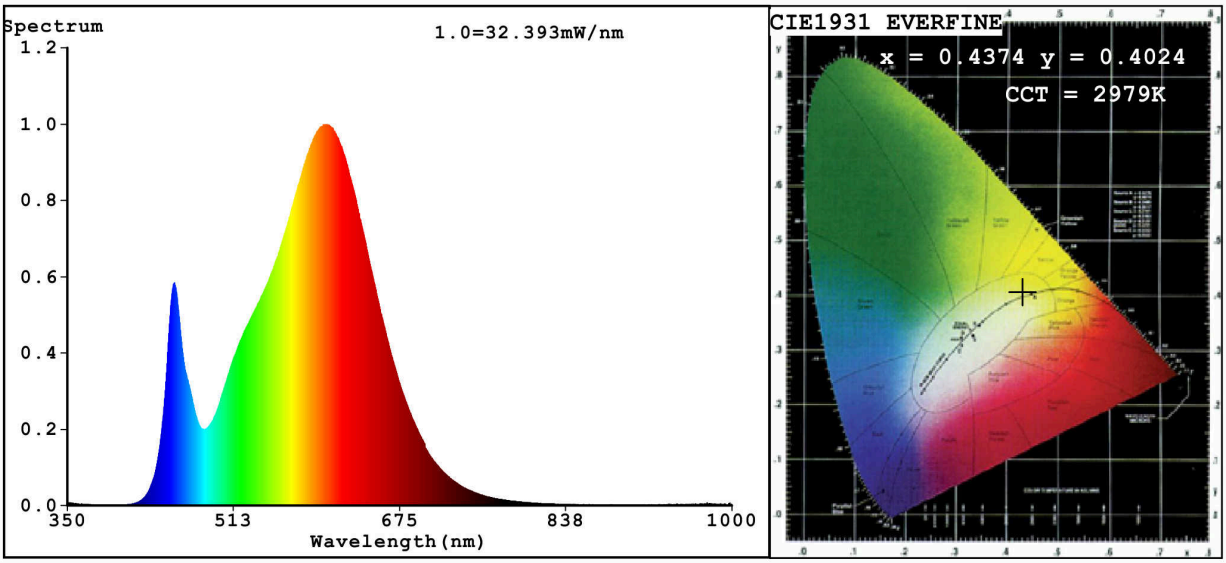
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 600 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	3 000
On-mode power (P_{on}), expressed in W	20,3	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	81
Outer dimensions without — Height	95	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	95		
Outer dimensions without — Depth	110		

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)	0,437 0,402
Parameters for directional light sources:				
Peak luminous intensity (cd)		601	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		6	Survival factor	0,50
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	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=0.4374 y=0.4024/u'=0.2516 v'=0.5208

CCT=2979K(Duv=-0.0007) Dominant WL:Ld =583.2nm Purity=52.0%

Ratio:R=22.9% G=74.4% B=2.6%¡¡Peak WL:Lp=601.8nm FWHM=126.3nm

Render Index:Ra=81.5

R1 =80	R2 =91	R3 =96	R4 =78	R5 =80	R6 =88	R7 =82	
R8 =58	R9 =6	R10=79	R11=76	R12=67	R13=83	R14=98	R15=73

Photo Parameters:

Flux = 1582 lm Eff. : 77.77 lm/W Fe = 4.838 W

Electrical parameters:

V = 220.16 V I = 0.09831 A P = 20.34 W PF = 0.9396

WHITE:ANSI_3000K

Status: Integral T = 19 ms Ip = 48646 (74%)

Model:RDLOMCOB_20W	Number:92DLOM2027/S
Tester:Petya Marinova	Date:2015-04-29 15:25
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:EVERFINE	Remarks:VSHQ150129-GB1