

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: 95DONUT32LED

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

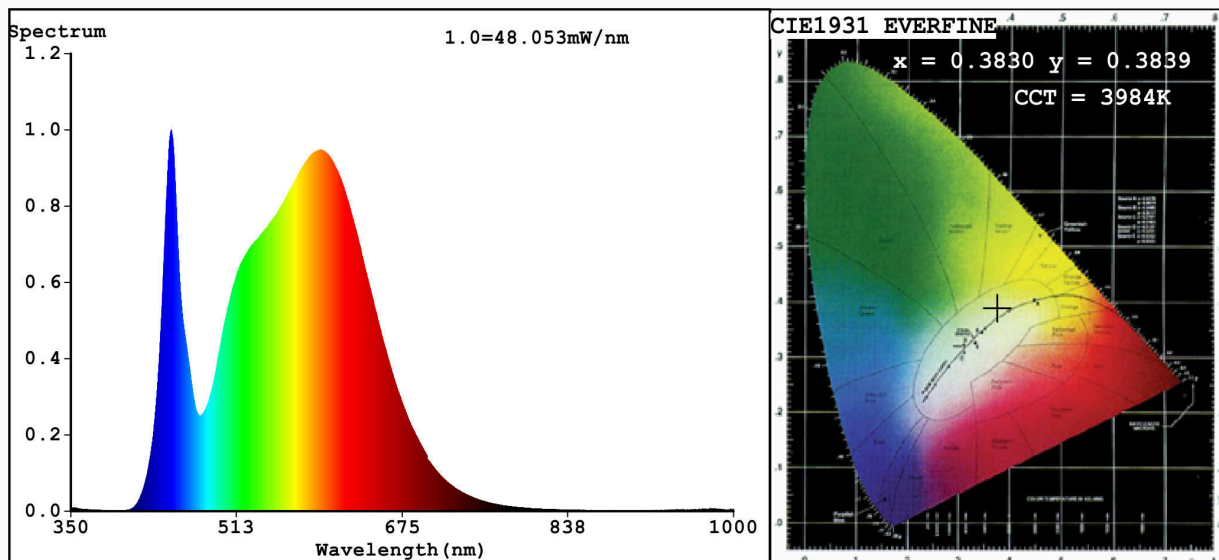
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	32	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	2 500 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	32,3	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	83
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)	0,383 0,383	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	12	Survival factor	0,40	
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	1	
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: $x=0.3830$ $y=0.3839$ $u'=0.2240$ $v'=0.5051$

$CCT=3984K$ ($Duv=0.0026$) Dominant WL: $Ld = 577.8nm$ Purity=30.1%

Ratio: $R=18.3\%$ $G=78.3\%$ $B=3.4\%$; Peak WL: $Lp=448.5nm$ FWHM=21.6nm

Render Index: $Ra=83.5$

R1 =82	R2 =88	R3 =94	R4 =84	R5 =82	R6 =84	R7 =87
R8 =67	R9 =12	R10=73	R11=83	R12=64	R13=83	R14=97
						R15=75

Photo Parameters:

Flux = 2671 lm Eff. : 82.56 lm/W Fe = 8.171 W

Electrical parameters:

V = 229.84 V I = 0.1460 A P = 32.35 W PF = 0.9641

WHITE:ANSI_4000K

Status: Integral T = 19 ms Ip = 55343 (84%)

Model:ROUND CEILING LAMP DONUT/32W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:95DONUT32LED
Date:2019-03-08 13:56
Humidity:65.0%
Remarks:SH18BG-JC-ELM03-2_5480