

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: 95BLN2040/WH

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:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

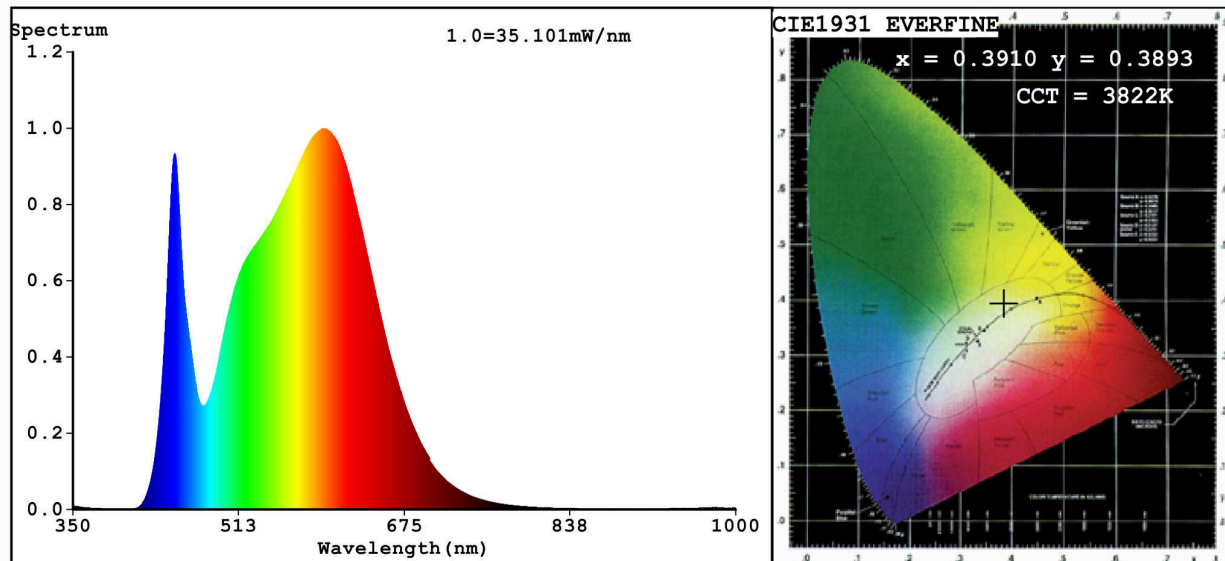
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 800 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	19,2	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 separate control gear, lighting control	Height	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,391 0,389	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	9	Survival factor	0,40	
the lumen maintenance factor	0,90			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,50	Colour consistency in McAdam ellipses	5	
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)	1,0	Stroboscopic effect metric (SVM)	0,4	

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3910$ $y=0.3893$ $u'=0.2270$ $v'=0.5086$
CCT=3822K (Duv=0.0029) Dominant WL: $\lambda_d = 578.4nm$ WL: $\lambda_c = --nm$ Purity=34.2%
Ratio: R=18.8% G=77.8% B=3.4% Peak WL: $\lambda_p = 595.5nm$ FWHM=151.7nm
Render Index: $R_a = 83.5$

R1 =81	R2 =89	R3 =96	R4 =83	R5 =82	R6 =86	R7 =87
R8 =65	R9 =9	R10=75	R11=82	R12=64	R13=83	R14=98 R15=75

Photo Parameters:

Flux = 2004 lm Eff. : 104.39 lm/W $\Phi_e = 6.036 W$

Electrical parameters:

V = 219.95 V I = 0.1573 A P = 19.20 W PF = 0.5548
WHITE: ANSI_4000K

Status: Integral T = 29 ms $I_p = 49587$ (76%)

Model: LED BULKHEAD LAMP
Tester: Atanas DAKOV
Temperature: 25.3Deg
Manufacturer: ELMARK

Number: 95BLN2040/WH
Date: 2021-03-17 09:46:28
Humidity: 65.0%
Remarks: 7455