

# 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:** 98ANTARES800/BL

## 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:	Yes		
Anti-glare shield:	No	Dimmable:	No

## Product parameters

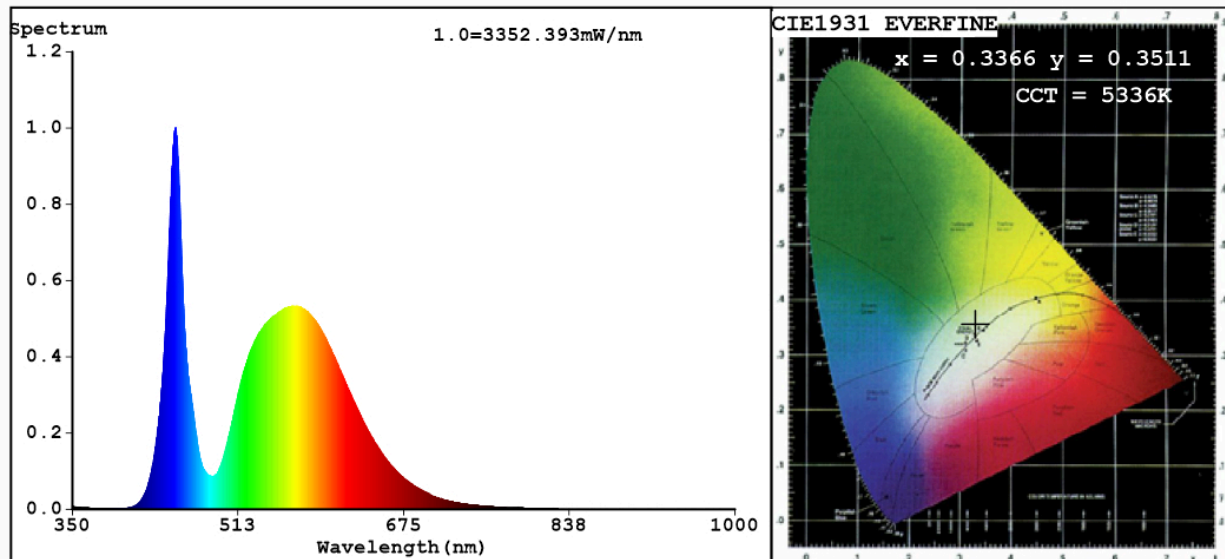
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	800	Energy efficiency class	E
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	82 000 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	5 100
On-mode power ( $P_{on}$ ), expressed in W	772,6	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	68
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 <sup>(a)</sup>	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,343 0,376	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	32 989	Beam angle in degrees, or the range of beam angles that can be set	90	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	0	Survival factor	0,50	
the lumen maintenance factor	0,95			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	0,90	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)	0,0	Stroboscopic effect metric (SVM)	0,0	

(a) '-': not applicable;

(b) '-': not applicable;

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3366$   $y=0.3511$   $u'=0.2058$   $v'=0.4831$   
 CCT=5336K (Duv=0.0033) Dominant WL:Ld =561.5nm WL:Lc = --nm Purity=6.3%  
 Ratio:R=13.1% G=83.6% B=3.3%; Peak WL:Lp=451.2nm FWHM=17.7nm  
 Render Index:Ra=69.6

R1 =66	R2 =75	R3 =81	R4 =69	R5 =67	R6 =65	R7 =80
R8 =53	R9 =0	R10=40	R11=64	R12=35	R13=68	R14=89 R15=61

### Photo Parameters:

Flux = 103254 lm Eff. : 133.64 lm/W Fe = 302.1 W

### Electrical parameters:

V = 226.65 V I = 3.442 A P = 772.6 W PF = 0.9903

WHITE:ANSI\_5700K

Status: Integral T = 0.4 ms Ip = 51646 (79%)

Model:LED INDUSTRIAL LIGHTING  
 Tester:Atanas DAKOV  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:98ANTARES800 BL  
 Date:2022-06-01 11:26:28  
 Humidity:65.0%  
 Remarks:8748