

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: 96RAY30

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

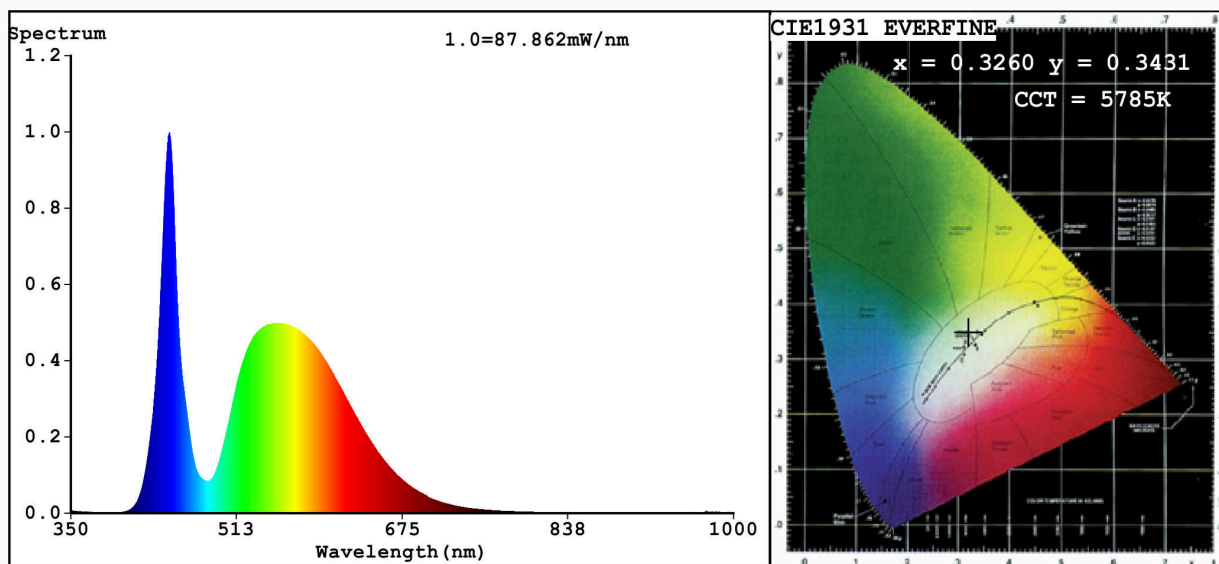
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	30	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	2 650 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	5 500
On-mode power (P_{on}), expressed in W	33,2	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	70
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)	0,326 0,343	
Parameters for directional light sources:				
Peak luminous intensity (cd)	446	Beam angle in degrees, or the range of beam angles that can be set	100	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	0	Survival factor	0,50	
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	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: $x=0.3260$ $y=0.3431$ $u'=0.2017$ $v'=0.4776$

CCT=5785K(Duv=0.0039) Dominant WL:Ld =510.5nm Purity=2.3%

Ratio:R=12.8% G=83.9% B=3.2%; Peak WL:Lp=446.5nm FWHM=18.8nm

Render Index:Ra=70.8

R1 =69	R2 =74	R3 =76	R4 =73	R5 =71	R6 =65	R7 =79
R8 =60	R9 =0	R10=37	R11=71	R12=41	R13=69	R14=87
						R15=64

Photo Parameters:

Flux = 2612 lm Eff. : 78.50 lm/W Fe = 7.954 W

Electrical parameters:

V = 229.87 V I = 0.1525 A P = 33.27 W PF = 0.9489

WHITE:ANSI_5700K

Status: Integral T = 12 ms Ip = 44998 (69%)

Model:RAY30/30W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:96RAY30
Date:2017-03-24 12:42
Humidity:65.0%
Remarks:016V057B_3554