Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

sources						
Supplier's name or trade mark: ELMARK						
Supplier's address: ELMARK INDUSTRIES SC, bul.Dobrudja 2, 9300 Dobrich Dobrich, BG						
Model identifier: 93TL291L10W/BL						
Type of light so	urce:					
Lighting techno	logy used:	LED	Non-directional or directional:	DLS		
Light source cap-type		Integrated LED				
(or other electric interface)						
Mains or non-m	nains:	MLS	Connected light source (CLS):	No		
Colour-tuneable	e light source:	No	Envelope:	-		
High luminance	light source:	No				
Anti-glare shield	d:	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		10	Energy efficiency class	F		
Useful luminous flux (φuse), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)		900 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	4 000		
On-mode power (P _{on}), expressed in W		10,3	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	93		
Outer	Height	300	Spectral power	See image		
dimensions	Width	300	distribution in the	in last page		
without	Depth	60		Page 1 / 3		

separate control gear, lighting control parts and non- lighting control parts,		range 250 nm to 800 nm, at full-load				
if any						
(millimetre)						
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-			
		Chromaticity	0,381			
		coordinates (x and y)	0,380			
Parameters for directional light sources:						
Peak luminous intensity (cd)	449	Beam angle in degrees, or the range of beam angles that can be set	24			
Parameters for LED and OLED light sources:						
R9 colour rendering index value	75	Survival factor	0,50			
the lumen maintenance factor	0,93					
Parameters for LED and OLED m	ains light sources:					
displacement factor (cos φ1)	0,50	Colour consistency in McAdam ellipses	6			
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;

Lightsource Test Report

Product Infomation

Product Type: 93TL291L10W Product Number: 18

CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3819 y=0.3809 u(u')=0.2244 v=0.3357 v'=0.5036

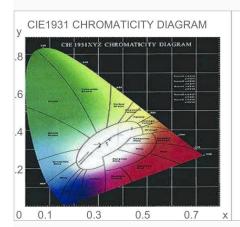
CCT: Tc=3992K (duv=0.00152) Color Ratio: R=0.197 G=0.765 B=0.039

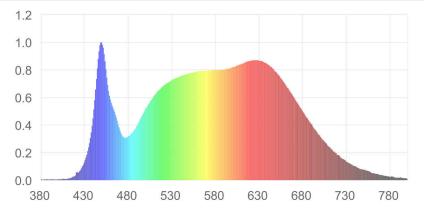
Peak Wavelength: 449nm Half Bandwidth: 23.1nm Dominant Wavelength: 578.3nm Color Purity: 0.289

CRI: Ri: Ra= 93.2

R1 =94 R2 =94 R3 =93 R4 =94 R5 =93 R6 =91 R7 =96 R8 =91

R9 = 75 R10 = 84 R11 = 93 R12 = 72 R13 = 93 R14 = 95 R15 = 93





Photometric Parameters

Luminous Flux: 934.5 lm Efficiency: 90.73 lm/W Radiant Power: 3.243 W

Electric Parameters

Voltage: 220.50V Current: 0.0890A Power: 10.30W

Power Factor: 0.5250 Frequency: 50.00Hz

Test Infomation
Scan Range: 380nm~800nm:1nm
Photometric Method:

Stabilization Time: 5 Sec Photometric Condition: Sphere diameter: 1.50m, 4

Max of Signal: 50624 (3589) CCD Integration Time: 1263.60 ms

Condition: Tx:29.1'C, Ti:29.0'C Test Device: Inventfine CMS-2S (Plus)

Test Lab: Test Time: 2021-11-05 16:09:19

Operator: Inspector: