

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: 93FGNL6040/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):	Yes
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	60	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°)	2 850 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	56,4	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,20
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	0,20	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	82
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)	0,383 0,382	
Parameters for directional light sources:				
Peak luminous intensity (cd)	1 211	Beam angle in degrees, or the range of beam angles that can be set	113	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	3	Survival factor	0,50	
the lumen maintenance factor	0,92			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,50	Colour consistency in McAdam ellipses	4	
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)	0,6	Stroboscopic effect metric (SVM)	0,2	

(a) '-': not applicable;

(b) '-': not applicable;

Lightsource Test Report

Product Information

Product Number: 26

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3831$ $y=0.3824$ $u(u')=0.2246$ $v=0.3363$ $v'=0.5044$

CCT: $T_c=3971K$ ($duv=0.00184$)

Color Ratio: $R=0.183$ $G=0.776$ $B=0.041$

Peak Wavelength: 454nm

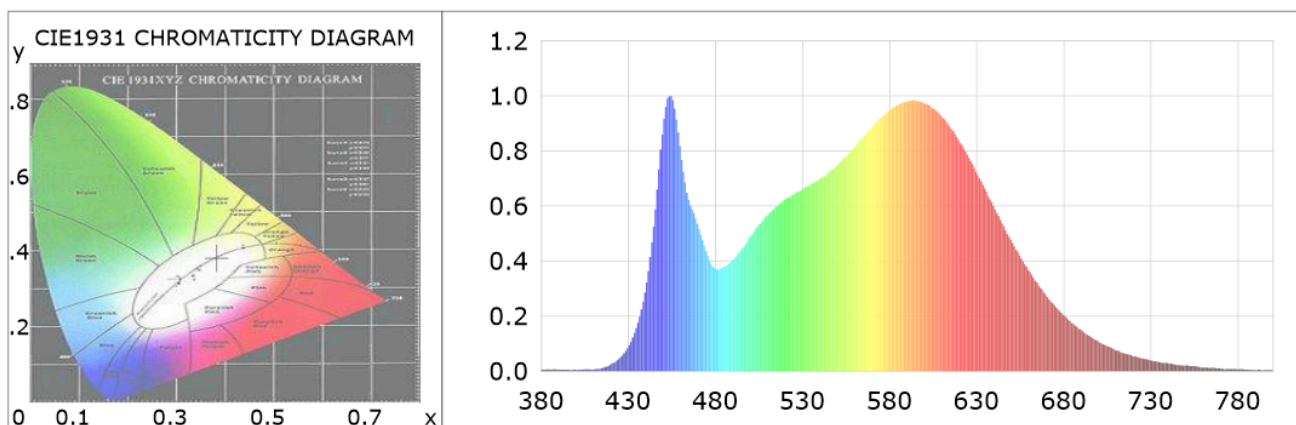
Half Bandwidth: 26.5nm

Dominant Wavelength: 578.2nm

Color Purity: 0.297

CRI: R_i : $R_a=82.8$

$R_1=81$	$R_2=92$	$R_3=96$	$R_4=80$	$R_5=81$	$R_6=89$	$R_7=83$	$R_8=61$
$R_9=3$	$R_{10}=80$	$R_{11}=79$	$R_{12}=64$	$R_{13}=84$	$R_{14}=98$	$R_{15}=74$	



Photometric Parameters

Luminous Flux: 2844.1 lm

Efficiency: 50.43 lm/W

Radiant Power: 8.510 W

Electric Parameters

Voltage: 220.70V

Current: 0.4720A

Power: 56.40W

Power Factor: 0.5410

Frequency: 50.00Hz

Test Information

Scan Range: 380nm~800nm:1nm

Stabilization Time: 6 Sec

Max of Signal: 45497 (3005)

Photometric Method:

Photometric Condition: Sphere diameter: 1.50m, 4 π

CCD Integration Time: 350.05 ms

Condition: $T_x=26.9^\circ C$, $T_i=25.7^\circ C$

Test Lab:

Operator:

Test Device: Inventive CMS-2S (Plus)

Test Time: 2022-03-31 20:10:26

Inspector: