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: 93DFLD6040/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	30	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	2 700 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	29,6	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	410	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Outer dimensions without separate control gear, lighting control — Width	102		
Outer dimensions without separate control gear, lighting control — Depth	70		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,381 0,381
Parameters for directional light sources:				
Peak luminous intensity (cd)		6 946	Beam angle in degrees, or the range of beam angles that can be set	50
Parameters for LED and OLED light sources:				
R9 colour rendering index value		2	Survival factor	0,50
the lumen maintenance factor		0,95		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		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

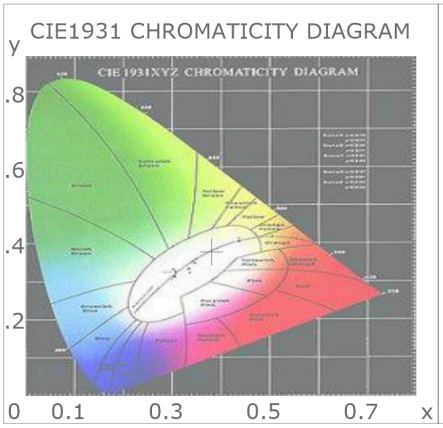
Product Infomation

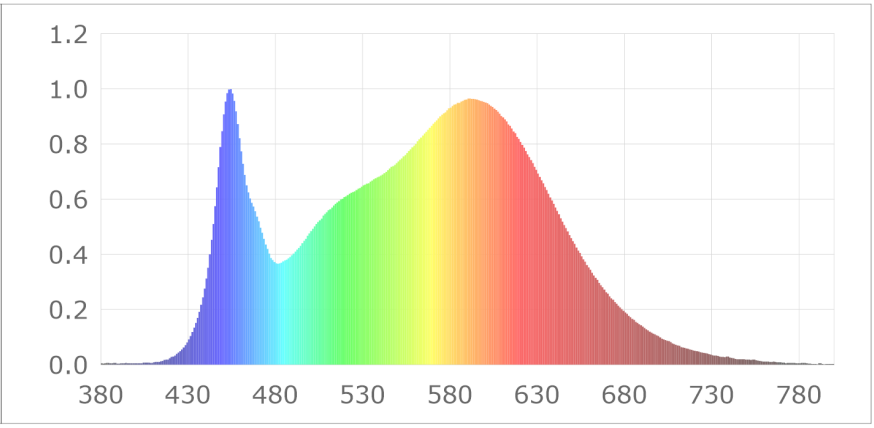
Product Number: 16

CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3817 y=0.3813 u(u')=0.2241 v=0.3358 v'=0.5038
CCT: Tc=4000K (duv=0.00176) Color Ratio: R=0.182 G=0.777 B=0.041
Peak Wavelength: 454nm Half Bandwidth: 26.3nm
Dominant Wavelength: 578.2nm Color Purity: 0.290
CRI: Ri: Ra= 82.6

R1 =81	R2 =92	R3 =95	R4 =79	R5 =81	R6 =89	R7 =83	R8 =61
R9 =2	R10=80	R11=78	R12=63	R13=84	R14=98	R15=74	





Photometric Parameters

Luminous Flux: 2637.4 lm Efficiency: 98.41 lm/W Radiant Power: 7.884 W

Electric Parameters

Voltage: 220.50V Current: 0.2290A Power: 26.80W
Power Factor: 0.5290 Frequency: 50.00Hz

Test Infomation
Scan Range: 380nm~800nm:1nm Photometric Method:
Stabilization Time: 6 Sec Photometric Condition: Sphere diameter: 1.50m, 4∏
Max of Signal: 45502 (2953) CCD Integration Time: 376.91 ms

Condition: Tx:26.2'C, Ti:25.5'C Test Device: Inventfine CMS-2S (Plus)
Test Lab: Test Time: 2022-03-31 19:50:09
Operator: Inspector: