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: 93PGNL2030/BL

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	Integrated LED		
Mains or non-mains:	NMLS	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		20	Energy efficiency class	G
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)		1 100 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	3 000
On-mode power (P_{on}), expressed in W		18,6	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,50
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal		0,50	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	138	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width	36		
	Depth	150		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,444 0,402
Parameters for LED and OLED light sources:				
R9 colour rendering index value		8	Survival factor	0,50
the lumen maintenance factor		0,95		

[(a)] '-' : not applicable;

[(b)] '-' : not applicable;

Lightsource Test Report

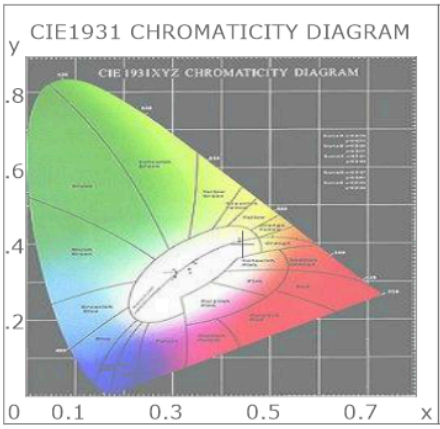
Product Infomation

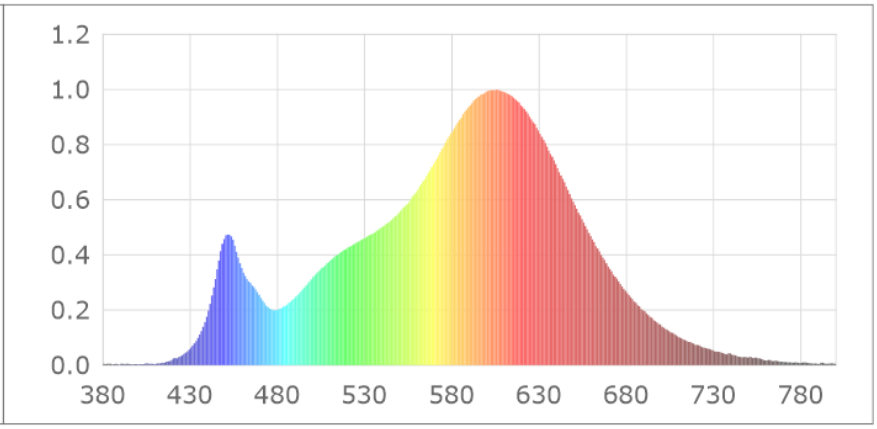
Product Number: 7

CIE Colorimetric Parameters

Chromaticity coordinates: x=0.4443 y=0.4027 u(u')=0.2559 v=0.3480 v'=0.5220
CCT: Tc=2869K (duv=-0.00146) Color Ratio: R=0.240 G=0.733 B=0.027
Peak Wavelength: 606nm Half Bandwidth: 116.7nm
Dominant Wavelength: 583.9nm Color Purity: 0.543
CRI: Ri: Ra= 82.9

R1 =82	R2 =93	R3 =94	R4 =81	R5 =83	R6 =93	R7 =80	R8 =57
R9 =8	R10=85	R11=81	R12=78	R13=85	R14=97	R15=74	





Photometric Parameters

Luminous Flux: 1092.7 lm Efficiency: 58.75 lm/W Radiant Power: 3.342 W

Electric Parameters

Voltage: 220.60V Current: 0.1690A Power: 18.60W
Power Factor: 0.4970 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: 45345 (3071) CCD Integration Time: 831.78 ms

Condition: Tx:25.5'C, Ti:25.3'C Test Device: Inventfine CMS-2S (Plus)
Test Lab: Test Time: 2022-03-31 19:28:02
Operator: Inspector: