

Product Information Sheet

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

Supplier's name or trade mark: STELLAR

Supplier's address: ELMARK INDUSTRIES SC, bul.Dobrudja 2, 9300 Dobrich Dobrich, BG

Model identifier: 99POM602440/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:	MLS	Connected light source (CLS):	No
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	24	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°)	2 500 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	23,9	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	-	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	83
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)	0,371 0,370	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	9	Survival factor	0,50	
the lumen maintenance factor	0,70			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,90	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)	0,0	Stroboscopic effect metric (SVM)	0,2	

(a) '-': not applicable;

(b) '-': not applicable;

LED Test Report

Product Mark

Product Type :504000

Temperature :65°C

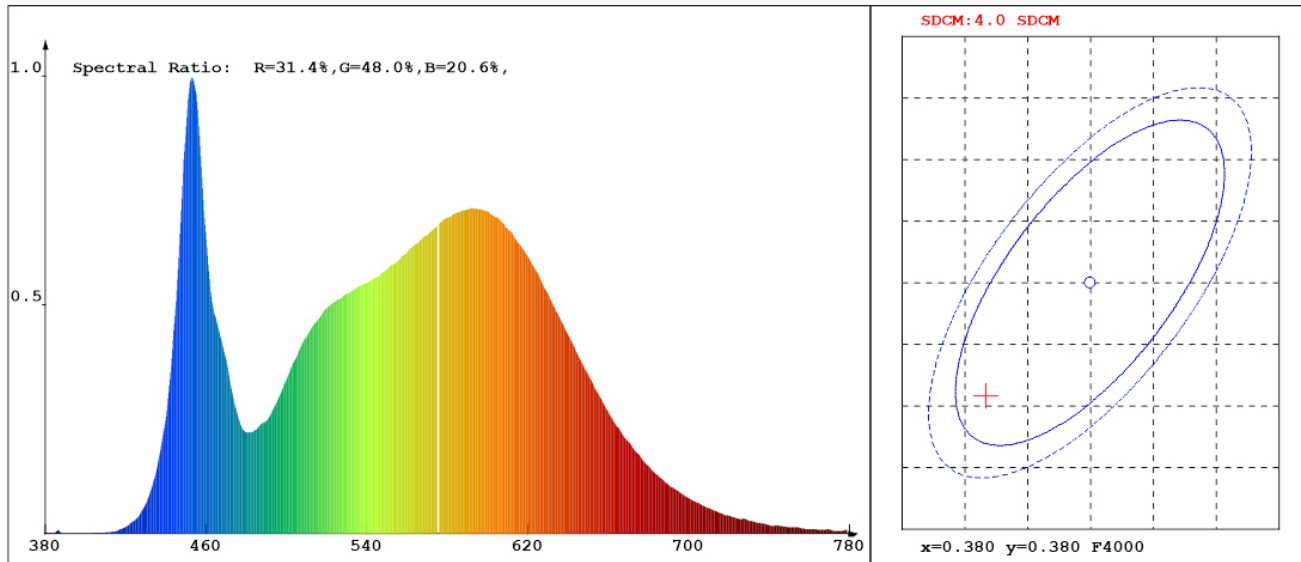
Operator :admin

Remark:

Manufacturer :BOHUA

Humidity :65%

Test Date :2021-04-27 15:51:16



Chroma Parameters

Chro.Coar.:x=0.3717 y=0.3708 u=0.2217 v=0.3318 duv=-0.0001

CCT: 4208K Dominant Wave.:578.3nm Purity:22.8%

Flux RGB Ratio:R=17.8%,G=79.5%,B=2.7% Peak Wave:453.5nm Half Width:18.3nm

Rendering Index:Ra= 83.2

R1 =82 R2 =90 R3 =95 R4 =82 R5 =82 R6 =85 R7 =85 R8 =64

R9 =9 R10=76 R11=81 R12=58 R13=84 R14=98 R15=76

Photo Parameters

Flux:2598.54lm

Effi.:108.4lm/W

Radiant:11398.4mW

Iv:0.0mcd

Efficiency:0.126

Effi Level:A+ (EU 874-2012)

Ele. Parameters

Voltage:U=230.400V

Current:I=0.1080A

Power:P=23.96W

Power Factor:PF=0.962

Lamp Parameters

Voltage:U=0.000V

Current:I=0.0000A

Power:P=0.00W

Power Factor:PF=1.000

Efficacy:0.0lm/W

Instrument state

Instrument:Hopoo HP8000

Integral Time: 44.916ms

VPeak: 13434

VDark: 1164

Product ID: 201306373