

Less power, More light



Spectral test report for lamp

Product type : Round LED Panel 18 W
Product No. :
Manufacturer : EG Light Elsewedy

Test time : 24/11/2024 12:14:14
Test equipment : SPEC-3000A Spectrometer
Operator :

CIE Color Parameter

Chromaticity coordinates: $x=0.2914$ $y=0.2830$ $u=0.2005$ $v=0.2921$ $u^*=0.2005$ $v^*=0.4382$

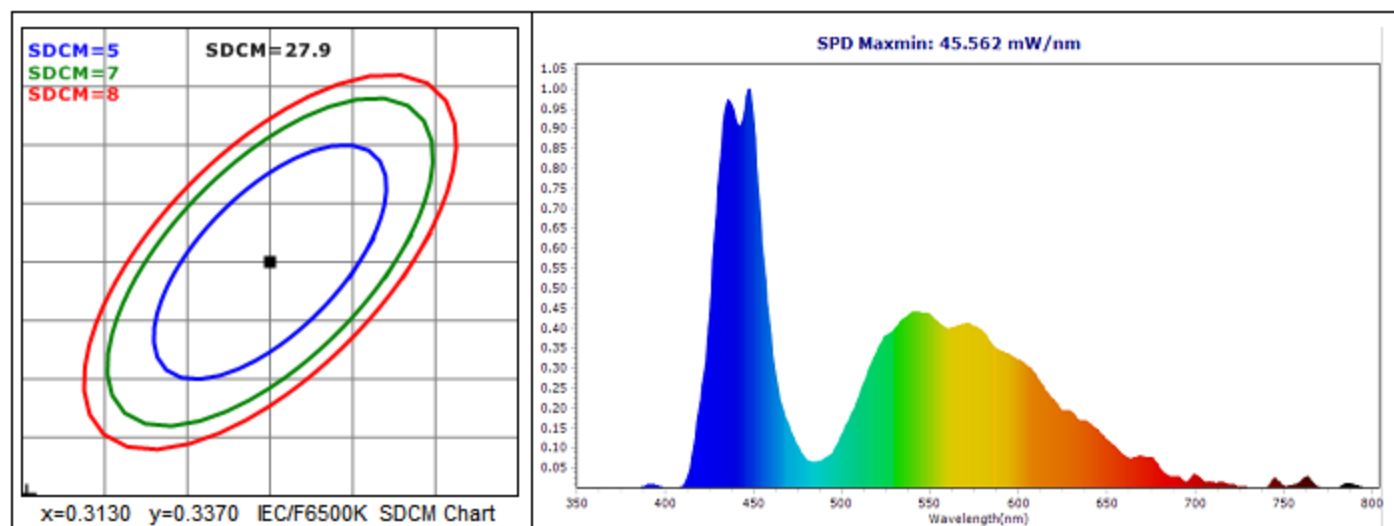
Color temperature: 9106 K ($duv=-0.00964$) Color difference: SDCM(IEC/F6500)=27.9 Main W: $\lambda_d=479.1$ nm Purity: 0.44

Peak wavelength: $\lambda_p=447.5$ FWHM: $\Delta\lambda_p=30.9$ nm Color ratio: R=0.130 G=0.833 B=0.037

Color rendering index: Ra=70.06 Color Fidelity: Rf=66.72 Color Gamut: Rg=95.11 GAI=93.94

R1=76.6 R2=69.8 R3=59.0 R4=74.9 R5=77.1 R6=59.7 R7=73.6 R8=69.9

R9=-1.9 R10=22.5 R11=79.1 R12=42.4 R13=71.3 R14=76.1 R15=75.0



Optical Parameter

Luminous flux: 1134.03 lm

luminous efficiency: 63.0 lm/w

Radiant flux: 3949.618 W

Energy efficiency index(EEI): 63.002

Energy efficiency class: G (EU 2019/2015) (EU 874

MOVE=1195.922 MES1=1049.925

Electrical Parameter

Voltage(V): 220.36

Current(A): 0.1310

Watte(W): 18.000

Power factor: 0.6180

Test Infomation

Temperature : 25.0 Deg C

Humidity : 65%

Test range : 350-800nm : 1nm

Peak AD. : 26412 (40.3%)

Preheat time : 0(min)

Integral time. : 235.02 (ms)

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LED SILM PANEL (ROUND) 18 W

Product Data

ELECTRICAL FEATURES

INPUT VOLTAGE :	220-240 V
POWER FACTOR :	>0.60
FREQUENCY :	50-60 HZ
LUMEN EFFICACY :	65 LM/W
CCT :	3000-6500 k
BODY MATERIAL :	ALUMINUM
CRI :	>0.71
CHIP TYPE :	EPISTAR-SANAN
DRIVER :	EL SEWEDY
POWER :	18 W
IP :	44
BEAM ANGLE :	120

LUMEN

18 W (60-65 Lm/W)	1170 Lm
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LIFE TIME & WARRANTY

LIFE TIME :	30.000 Hrs
WARRANTY :	2 YEARS