

The Light You Can Trust



@wipintertrade



Official Website

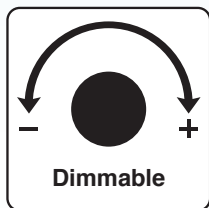


Gems Color Grading Lamp

Model : Gemo-LP09 | Part No. : WDP-P09



Built in 2 TC
(6500K, 5700K)



Dimmable



Products of Thailand

Eff. Date 03/04/25
Rev.4

Gems Color Grading Lamp

Model : Gemo-LP09 Part No. : WDP-P09

Light source for the colour grading of gemstone was developed in a collaboration between GIT (Gem and Jewelry Institute of Thailand.) and WIP (W.I.P. Electric Co.,Ltd)

In contrast to many of the models on the market, the new light source uses state-of-the-art LED (Light Emitting Diode) lights under specification of GIT Standard “Jewelry and precious metals – Grading polished diamonds – Terminology, classification and test methods” and, unlike most commercially available instruments.



TIS 1955 2551



Built in 2 TC (6500K, 5700K)

FEATURES

- Available in 6500K and 5700K
- 98+ CRI and R9 > 95
- Touch dimmer switch
- Easy to operate by individual switch for each light source
- Economic power consumption and low heat generation
- More than 50,000 hours lifetime and 1 year warranty



PHOTOMETRIC SPECIFICATIONS

LED :	Seoul
CRI :	98+
R9 :	95+
Flicker Free :	Yes
LED Lifetime (L70) :	50,000 hours

ELECTRICAL SPECIFICATIONS

Power :	14.5W
Input voltage :	220 - 240 VAC
Input frequency :	50 - 60 Hz.
Power factor :	>0.95
THDi :	<15%

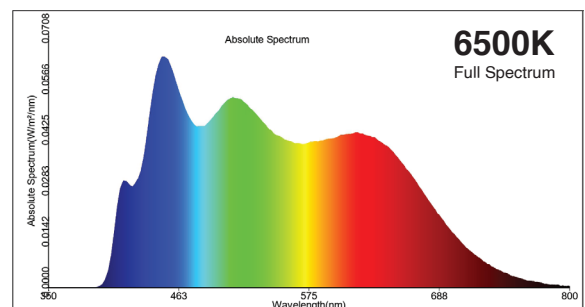
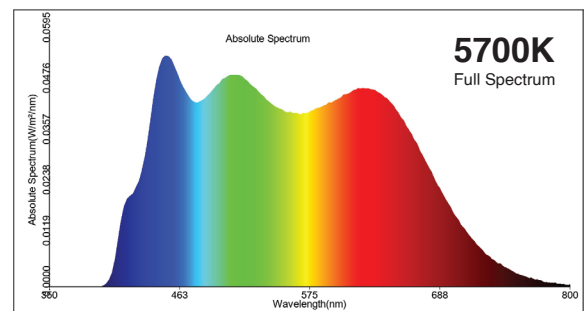
TECHNICAL SPECIFICATIONS

Circuit :	2 Circuit
Illuminants :	Noon Sky Daylight 5700K
	Daylight 6500K
Dimmable :	Yes

MECHANICAL SPECIFICATIONS

Colour Available :	White
Giftbox Size (CM) :	55.5 cm x 42 cm x 7.5 cm
Standard Mount :	Table clamp
Option :	Lamp Base
Weight :	3.5Kg.
Gross Weight :	4.0Kg.
Warranty :	1 Year

Model	Part No.	Power	TC
Gemo-LP09	WDP-P09	14.5W	5700K, 6500K



Model : Gemo-LP09 Part No. : WDP-P09

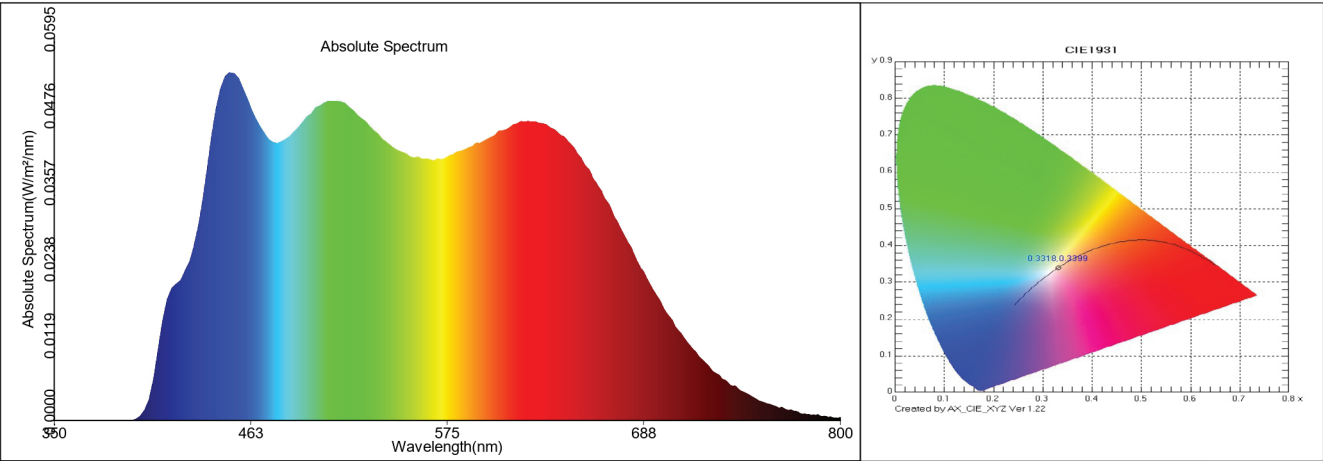
Spectrum Test Report

Sample Info.:

Name: Gemo-LP09 At40cm 5700K
Type:S-1
SN:001
Manu:W.I.P. ELECTRIC CO., LTD.
Date:2025-02-19
Tester:Chanchai Chimwai
TMP:25.3 DEG
Humidity:65 %RH
Remark: Gems Color Grading Lamp Gemo-LP09

Meter state:

Test Meter: PLA-20 Sensitivity: High
Integral T: 764 ms PeakAD Ip: 46494.6 Average times: 1



Test parameter:

E= 3512.6 lx E(fc)=326.446 fc

CIE x= 0.3318 CIE y= 0.3399 CIE u'=0.2069 CIE v'=0.4768
Tc=5525 K Lp=451.0 nm HW=249.8 nm Ld=541.1 nm
Pur=1.6 % Ratio_R=18.0 % Ratio_G=75.1 % Ratio_B=6.9 %
Duv=-0.00035

Ra=93.9 R1= 92 R2= 95 R3= 97
R4= 92 R5= 92 R6= 92 R7= 98
R8= 95 R9= 83 R10= 87 R11= 88
R12= 91 R13= 92 R14= 98 R15= 93

SDCM= 3.3(5300K/ENM)
White Class:C78.377_5700K

E1(400-700nm)=12.966 W/m² E2(380-780nm)=13.527 W/m²
Ech-A=2.1391 W/m² Ech-B=2.5941 W/m² Ef=0.52533 W/m²
Eb=4.027 W/m² Ey=4.8507 W/m² Er=4.0987 W/m²
Ep=10.947 Wphyto/m² Erb_Ratio=1.0178

PPFDf=3.1861E+000 µmol/(m²·s)
PPFD=59.667 µmol/(m²·s)

Spectrum Test Report

$$\text{PPFD}=60.297 \mu\text{mol}/(\text{m}^2\cdot\text{s})$$