

# The Light You Can Trust



@wipintertrade



Official Website

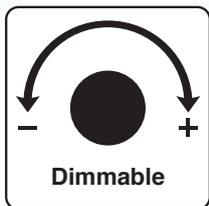


## Gems Color Grading Lamp

Model : Gemo-LP08 | Part No. : WDP-P08



# Built in 2 TC (6500K, 5700K)



Dimmable



Products of Thailand

Eff. Date 03/04/25  
Rev.4

# Gems Color Grading Lamp



Model : Gemo-LP08 Part No. : WDP-P08

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.



## 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

Luminous Flux :	2100 lumens
LED :	Seoul
CRI :	98+
R9 :	95+
Flicker Free :	Yes
LED Lifetime (L70) :	50,000 hours

### ELECTRICAL SPECIFICATIONS

Power :	21W
Input voltage :	220 - 240 VAC
Input frequency :	50 - 60 Hz.
Power factor :	>0.95
THDi :	<15%

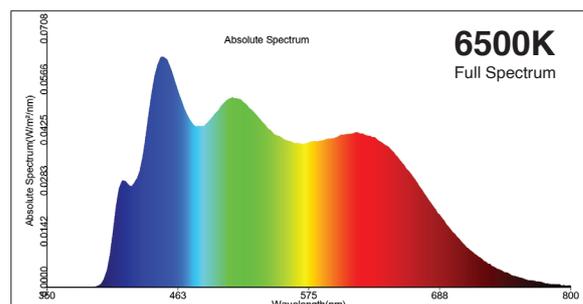
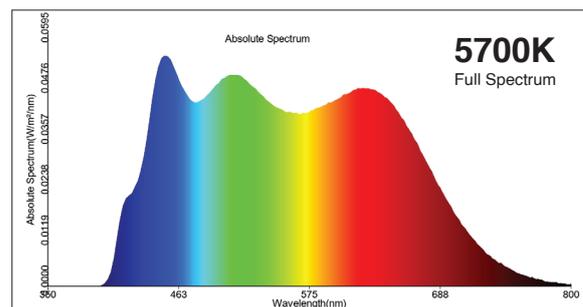
### TECHNICAL SPECIFICATIONS

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

### MECHANICAL SPECIFICATIONS

Colour Available :	White, Black
Giftbox Size (CM) :	74.5 cm x 26 cm x 12 cm
Standard Mount :	Table clamp
Option :	Lamp Base
Weight :	3.5Kg.
Gross Weight :	4.0Kg.
Warranty :	1 Year

Model	Part No.	Power	TC
Gemo-LP08	WDP-P08	21W	5700K, 6500K



# Gems Color Grading Lamp

Model : Gemo-LP08 Part No. : WDP-P08

## Spectrum Test Report

### Sample Info.:

Name:Gemo-LP08 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-LP08

### Meter state:

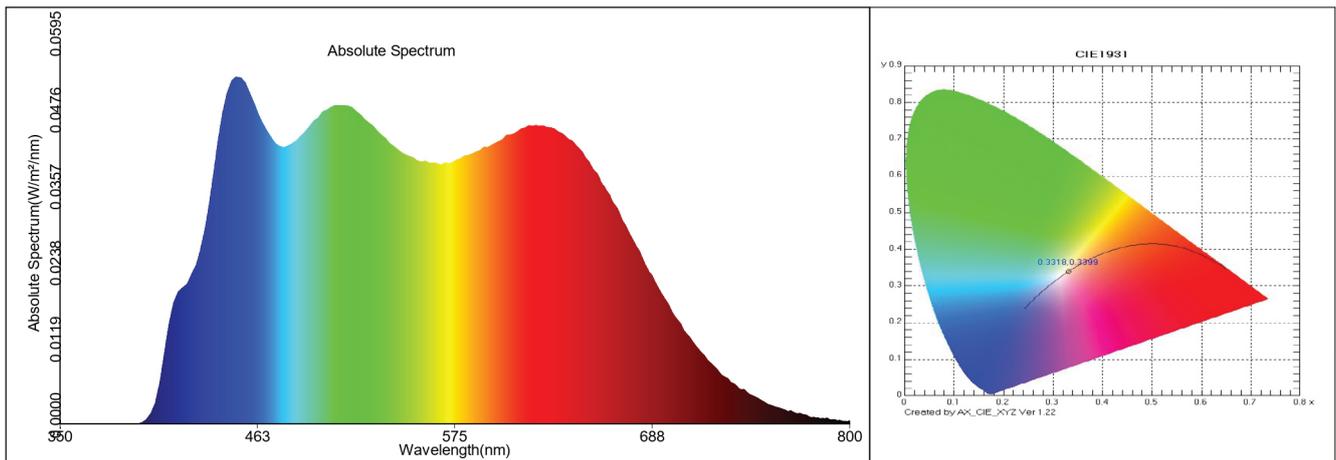
Test Meter: PLA-20

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)

# Gems Color Grading Lamp

Model : Gemo-LP08    Part No. : WDP-P08

## Spectrum Test Report

### Sample Info.:

Name:Gemo-LP08 At40cm 6500K

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-LP08

### Meter state:

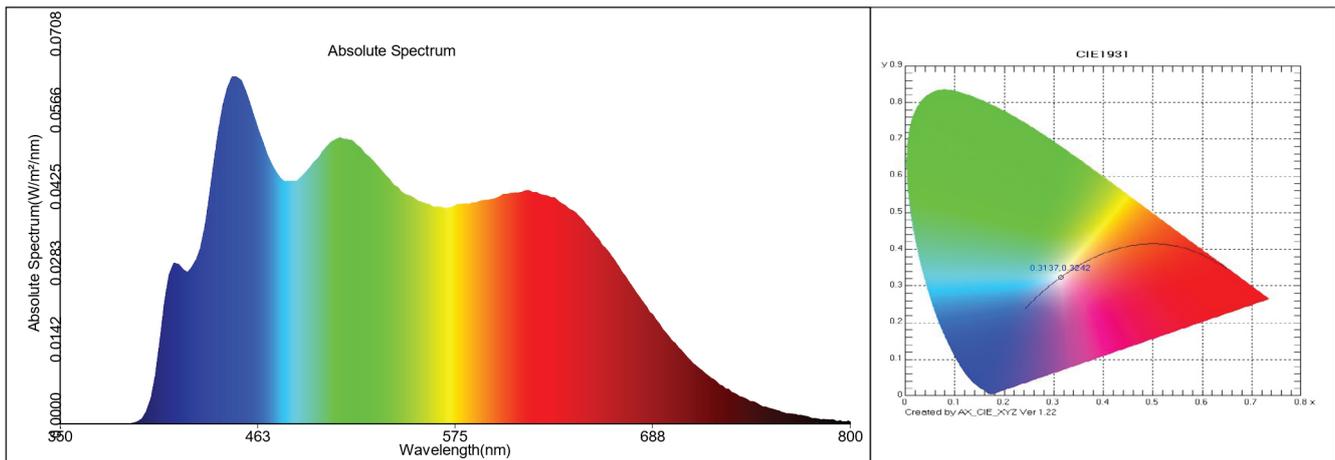
Test Meter: PLA-20

Sensitivity: High

Integral T: 653 ms

PeakAD Ip: 41796.5

Average times: 1



### Test parameter:

E= 3515.6 lx

E(fc)=326.731 fc

CIE x= 0.3137

CIE y= 0.3242

CIE u'=0.2004

CIE v'=0.4659

Tc=6486 K

Lp=449.0 nm

HW=231.9 nm

Ld=485.5 nm

Pur=7.3 %

Ratio\_R=16.6 %

Ratio\_G=76.0 %

Ratio\_B=7.4 %

Duv=0.00016

Ra=95.1

R1= 93

R2= 96

R3= 98

R4= 92

R5= 93

R6= 94

R7= 99

R8= 95

R9= 85

R10= 91

R11= 88

R12= 94

R13= 93

R14= 98

R15= 94

SDCM= 7.4(F6500)

White Class:C78.377\_6500K

E1(400-700nm)=13.32 W/m²

E2(380-780nm)=13.831 W/m²

Ech-A=2.2202 W/m²

Ech-B=2.8405 W/m²

Ef=0.46959 W/m²

Eb=4.6955 W/m²

Ey=4.9296 W/m²

Er=3.705 W/m²

Ep=11.117 Wphyto/m²

Erb\_Ratio=0.78906

PPFDf=2.8492E+000 µmol/(m²·s)

PPFD=60.297 µmol/(m²·s)