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Official Website



LED Foldable Lamp

Model : Gemo-LP10 | Part No. : WDP-P10



Products of Thailand

Eff. Date 13/12/24
Rev.2

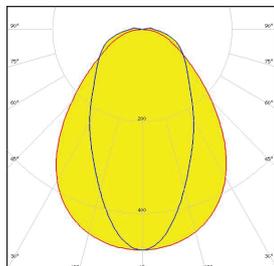
LED Foldable Lamp



Model : Gemo-LP10 Part No. : WDP-P10

Portable compact folding LED lamp. Flexible design with adjustable angles and a foldable arm, allowing users to direct the light precisely where needed and easily store or transport the lamp when not in use. The adjustable and automatically shuts off when folded shut. Comfortable illumination for working with diamonds and gemstones.

Beam Angle



~40° + 100° Oval Beam

Grading LED G23 Light Bulb



FEATURES

- Available in 5700K and 6500K
- 98+ CRI and R9 > 95
- Automatically shuts off when folded shut
- Adjustable angles foldable arm
- Economic power consumption and low heat generation
- G23 Lamp base
- More than 50,000 hours lifetime and 1 year warranty



PHOTOMETRIC SPECIFICATIONS

Luminous Flux :	450 lumens
LED :	Seoul
CRI :	98+
R9 :	95+
Flicker Free :	Yes
LED Lifetime (L70) :	50,000 hours
Light distribution :	~40° + 100° Oval Beam

ELECTRICAL SPECIFICATIONS

LED Foldable Lamp

Base socket :	G23
Input voltage :	220 - 240 VAC 50/60 Hz.
Driver :	External Driver
Power factor :	>0.95
THDi :	<20%

Grading LED G23 Light Bulb

Lamp base :	G23
Input voltage :	30 VDC
Power :	5W

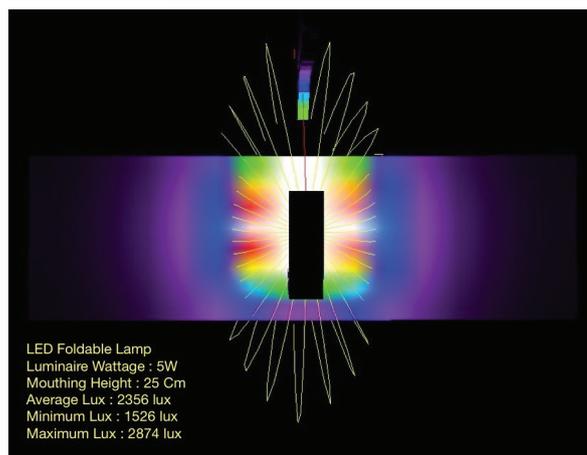
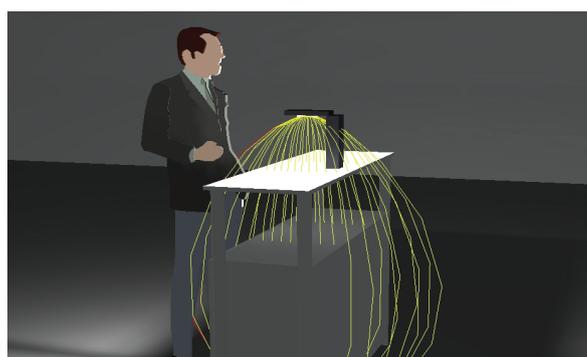
TECHNICAL SPECIFICATIONS

Lens Material :	PMMA
Illuminants :	Part No. : G23P57-5 5700K Part No. : G23P65-5 6500K

MECHANICAL SPECIFICATIONS

Colour Available :	Black
Product dimension (H x W x D) :	260 mm x 85 mm x 90 mm
Weight :	0.915 Kg.
Single gross weight :	1.015 Kg.
Warranty :	1 Year

Simulation



Model	Part No.	Power	TC
Gemo-LP10	WDP-P10	5W	5700K, 6500K

Grading LED G23 Light Bulb

Model : GemoLED-G23 Part No. : G23P57-5

Spectrum Test Report

Sample Info.:

Name: Grading LED G23 Light Bulb 5W 5700K

Type:S-1

SN:001

Manu:W.I.P. ELECTRIC CO., LTD.

Date:2024-11-23

Tester:Chanchai Chimwai

TMP:25.3 DEG

Humidity:65 %RH

Remark: Grading LED G23 Light Bulb 5W 5700K F16748



Meter state:

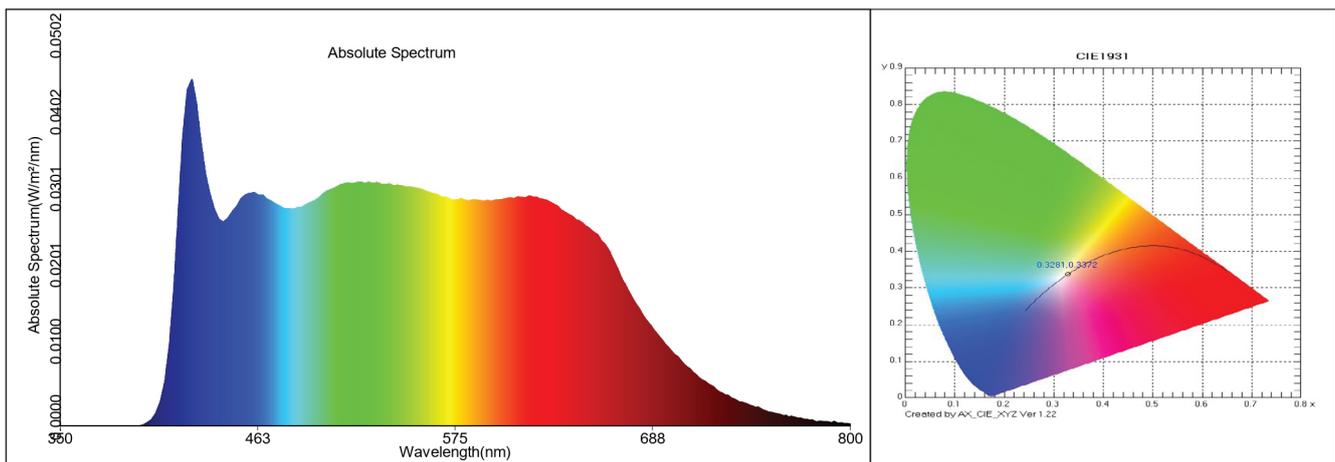
Test Meter: PLA-20

Sensitivity: High

Integral T: 970 ms

PeakAD Ip: 47718.8

Average times: 1



Test parameter:

E= 2444.0 lx

E(fc)=227.138 fc

CIE x= 0.3281

CIE y= 0.3372

CIE u'=0.2053

CIE v'=0.4749

Tc=5700 K

Lp=425.0 nm

HW=247.3 nm

Ld=501.6 nm

Pur=1.6 %

Ratio_R=16.8 %

Ratio_G=76.8 %

Ratio_B=6.4 %

Duv=0.00002

Ra=97.1

R1= 99

R2= 98

R3= 96

R4= 95

R5= 98

R6= 99

R7= 96

R8= 96

R9= 94

R10= 96

R11= 95

R12= 92

R13= 99

R14= 97

R15= 97

SDCM= 5.7(5300K/ENM)

White Class:C78.377_5700K

E1(400-700nm)=8.9745 W/m²

E2(380-780nm)=9.2945 W/m²

Ech-A=1.7086 W/m²

Ech-B=1.7738 W/m²

Ef=0.29693 W/m²

Eb=2.9964 W/m²

Ey=3.405 W/m²

Er=2.5798 W/m²

Ep=7.5517 Wphyto/m²

Erb_Ratio=0.86097

PPFDf=1.8019E+000 μmol/(m²·s)

PPFD=40.806 μmol/(m²·s)

Grading LED G23 Light Bulb

Model : GemoLED-G23 Part No. : G23P65-5

Spectrum Test Report

Sample Info.:

Name: Grading LED G23 Light Bulb 5W 6500K

Type:S-1

SN:001

Manu:W.I.P. ELECTRIC CO., LTD.

Date:2024-11-23

Tester:Chanchai Chimwai

TMP:25.3 DEG

Humidity:65 %RH

Remark: Grading LED G23 Light Bulb 5W 6500K F16748



Meter state:

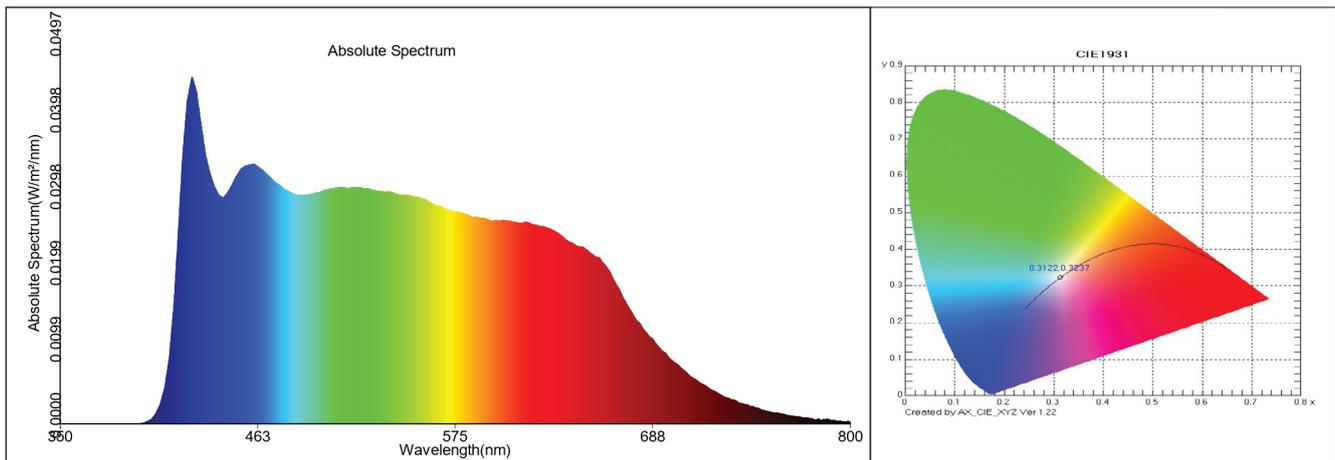
Test Meter: PLA-20

Sensitivity: High

Integral T: 899 ms

PeakAD Ip: 43732.1

Average times: 1



Test parameter:

E= 2282.3 lx

E(fc)=212.113 fc

CIE x= 0.3122

CIE y= 0.3237

CIE u'=0.1995

CIE v'=0.4654

Tc=6577 K

Lp=425.0 nm

HW=233.8 nm

Ld=485.7 nm

Pur=7.9 %

Ratio_R=15.6 %

Ratio_G=77.2 %

Ratio_B=7.2 %

Duv=0.00073

Ra=97.8

R1= 99

R2= 98

R3= 97

R4= 97

R5= 99

R6= 98

R7= 97

R8= 97

R9= 94

R10= 96

R11= 97

R12= 96

R13= 99

R14= 98

R15= 98

SDCM= 6.4(7200K/national)

White Class:C78.377_6500K

E1(400-700nm)=8.5273 W/m²

E2(380-780nm)=8.7985 W/m²

Ech-A=1.5821 W/m²

Ech-B=1.7768 W/m²

Ef=0.25145 W/m²

Eb=3.1088 W/m²

Ey=3.2024 W/m²

Er=2.2223 W/m²

Ep=7.11 Wphyto/m²

Erb_Ratio=0.71485

PPFDf=1.5260E+000 μmol/(m²·s)

PPFD=38.384 μmol/(m²·s)