The Light You Can Trust

All Contact

WIP®

GIT Gem and Jewelry Institute of Thailand

Being Developed in Collaboration With GIT

LED Foldable Lamp

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

FLICKER FREE

LED

Natural Light



HIGHCRI • HIGHCRI • HIGHCRI • HIGHCRI
98+

SEOUL LEDiL® RoHS Green Industry

Products of Thailand

Eff. Date 14/07/24
Rev.3

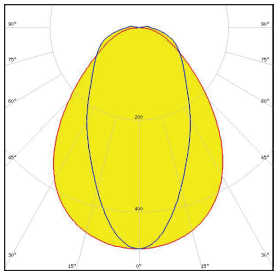
LED Foldable Lamp

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





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

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

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

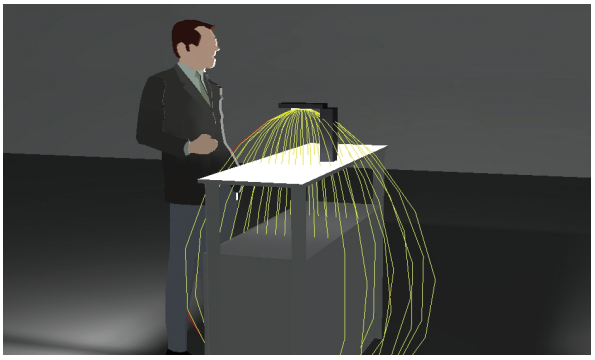
TECHNICAL SPECIFICATIONS

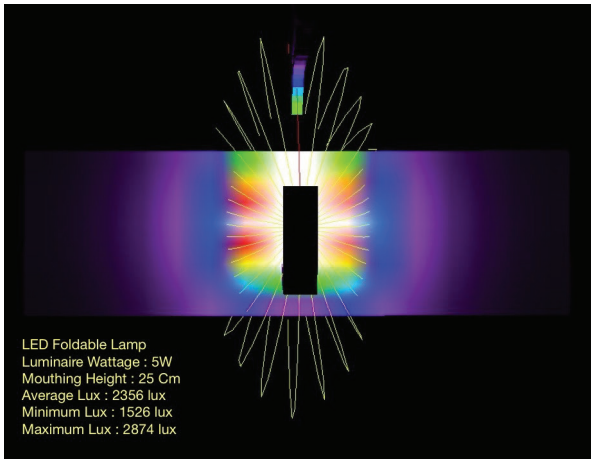
Lens Matterial :	PMMA
Illuminants :	Part No. : G23P57-5 5700K
	Part No. : G23P65-5 6500K

MECHANICAL SPECIFICATIONS

Colour Avalible :	Black
Product dimension (H x W x D) :	260 mm x 85 mm x 90 mm
Weight :	0.915 Kg.
Package dimension (H x W x D) :	27.5 cm x 10.5 cm x 10.5 cm
Gross weight :	1.015 Kg.
Warranty :	1 Year

Simulation





Grading LED G23 Light Bulb

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

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Spectrum Test Report

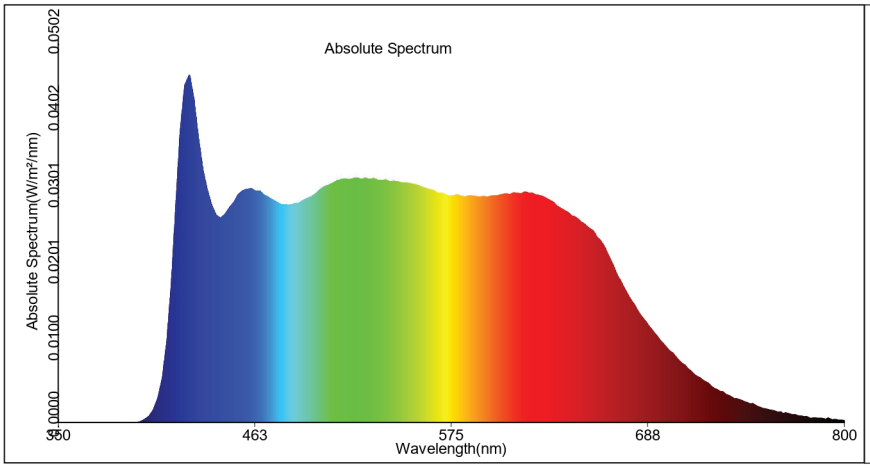
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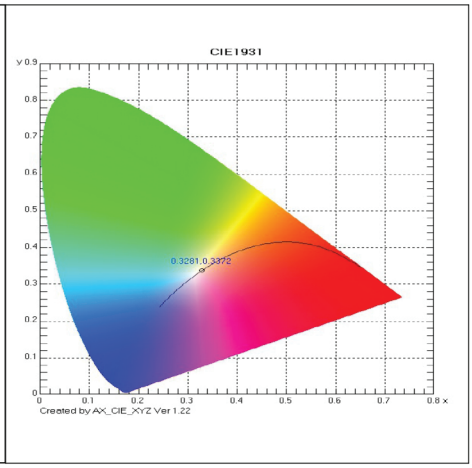


Name: Grading LED G23 Light Bulb 5W 5700K
Type:S-1
SN:001
Manu:W.I.P. ELECTRIC CO., LTD.
Date:2024-11-23
Tester:Chanchai Chimwai
TMP:25.3 DEG
Humidity:65 %RH
Remark: Grading LED G23 Light Bulb 5W 5700K F16748

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

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Spectrum Test Report

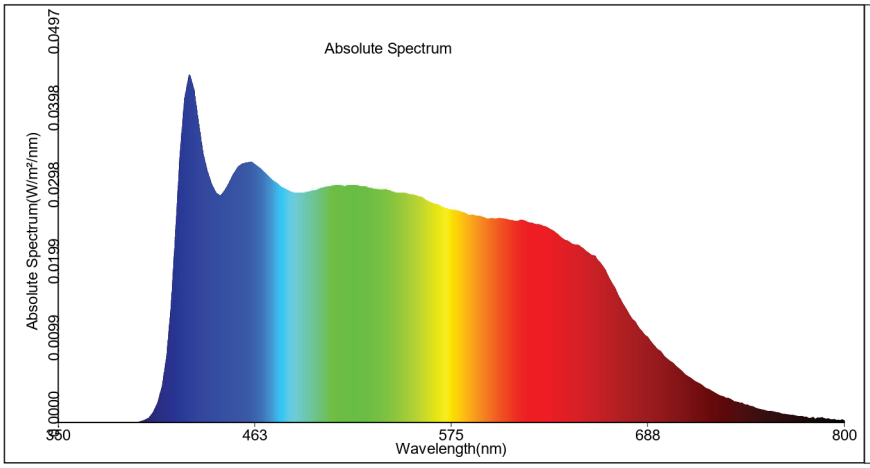
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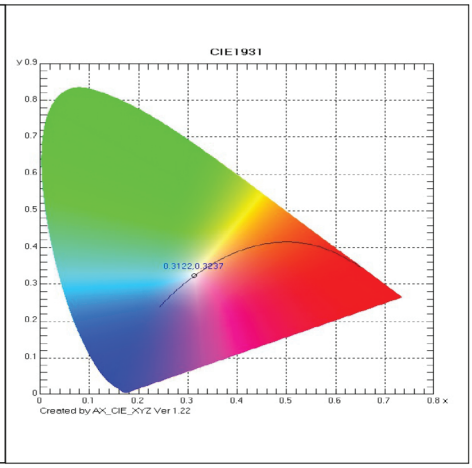


Name: Grading LED G23 Light Bulb 5W 6500K
Type:S-1
SN:001
Manu:W.I.P. ELECTRIC CO., LTD.
Date:2024-11-23
Tester:Chanchai Chimwai
TMP:25.3 DEG
Humidity:65 %RH
Remark: Grading LED G23 Light Bulb 5W 6500K F16748

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)