The Light You Can Trust

All Contact

WIP®

GIT Gem and Jewelry Institute of Thailand

Being Developed in Collaboration With GIT

Gems Color Grading Lamp

Model : Gemo-LP07 | Part No. : WDP-P07

FLICKER FREE

LED



Natural Light

Built in 2 TC

(6500K, 5700K)

Dimmable

Dimmable

HIGHCRI • HIGHCRI • HIGHCRI • HIGHCRI • HIGHCRI • HIGHCRI

98+

SEOUL

RoHS

Green Industry

TIS.1955-2551

Products of Thailand

Eff. Date 23/01/26
Rev.7

Gems Color Grading Lamp

Model : Gemo-LP07 Part No. : WDP-P07

Light source for the colour grading of gemstone was developed in a collaboration between GIT (Gem and JewelryInstitute 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.

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FLICKER FREE

LED

TIS.1955-2551



Natural Light

Built in 2 TC

(6500K, 5700K)

HIGHCRI • HIGHCRI • HIGHCRI • HIGHCRI • 98+

Dimmable

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%

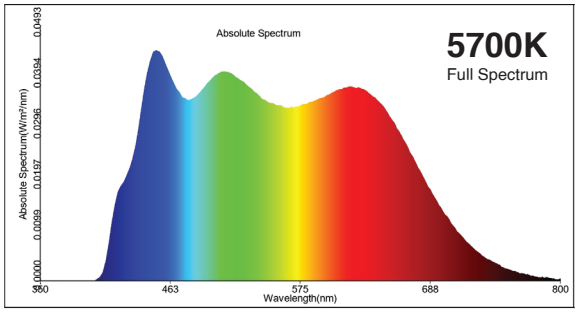
TECHNICAL SPECIFICATIONS

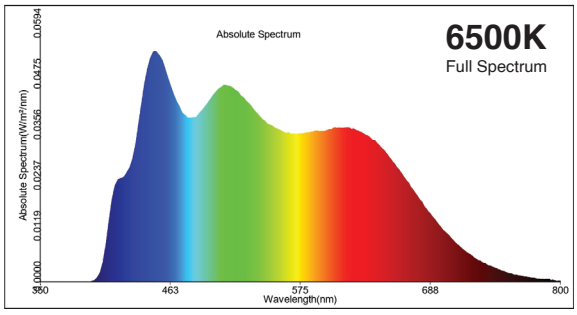
Circuit :	2 Circuit
Illuminants :	Noon Sky Daylight 5700K
	Daylight 6500K
Dimmable :	Yes

MECHANICAL SPECIFICATIONS

Colour Avalible :	White, Black
Standard Mount :	Table clamp
weight :	1.8 Kg.
Package Dimension (H x W x D) :	15 cm x 25 cm x 72.5 cm
Option :	Lamp Base
Base lamp weight :	4.7 Kg.
Package Base lamp Dimension (H x W x D) :	9 cm x 24 cm x 24 cm
Gross weight :	6.5 Kg.
Warranty :	1 Year

Model	Part No.	Power	TC
Gemo-LP07	WDP-P07	21W	5700K, 6500K





Gems Color Grading Lamp

Model : Gemo-LP07 Part No. : WDP-P07

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Spectrum Test Report

Sample Info.:

Name:Gemo-LP07 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

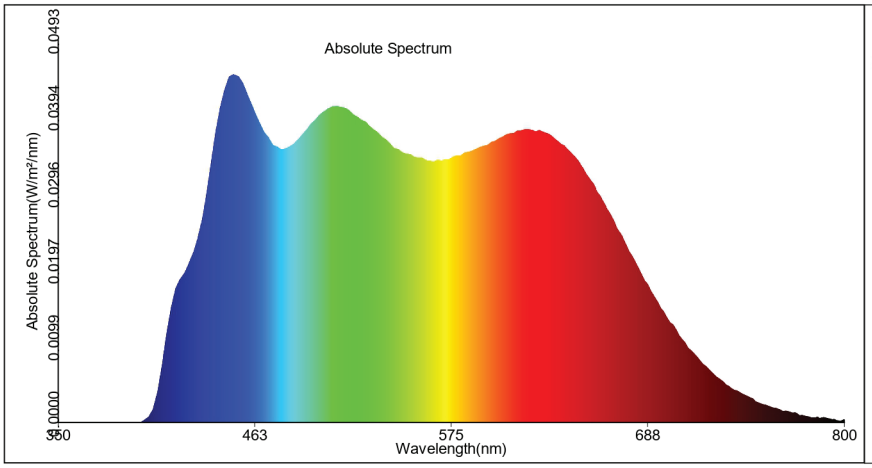
Humidity:65 %RH

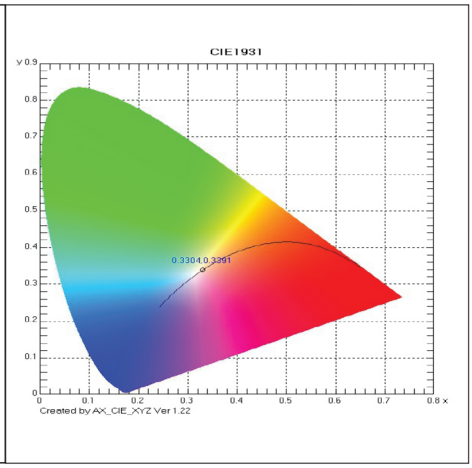
Remark:Gems Color Grading Lamp Gemo-LP07

Meter state:

Test Meter: PLA-20 Sensitivity: High

Integral T: 815 ms PeakAD Ip: 40592.6 Average times: 1





Test parameter:

E= 2892.1 lx E(fc)=268.779 fc

CIE x= 0.3304	CIE y= 0.3391	CIE u'=0.2063	CIE v'=0.4762
Tc=5590 K	Lp=450.0 nm	HW=247.6 nm	Ld=520.8 nm
Pur=1.1 %	Ratio_R=17.7 %	Ratio_G=75.4 %	Ratio_B=6.9 %
Duv=-0.00012			

Ra=95.1	R1= 93	R2= 95	R3= 98
R4= 93	R5= 93	R6= 93	R7= 98
R8= 97	R9= 89	R10= 89	R11= 89
R12= 92	R13= 93	R14= 98	R15= 94

SDCM= 4.2(5300K/ENM)
White Class:C78.377_5700K

E1(400-700nm)=10.586 W/m² E2(380-780nm)=11.01 W/m²

Ech-A=1.732 W/m²	Ech-B=2.1344 W/m²	Ef=0.39798 W/m²
Eb=3.3203 W/m²	Ey=4.0048 W/m²	Er=3.2691 W/m²
Ep=8.9296 Wphyto/m²	Erb_Ratio=0.98458	

PPFDf=2.4133E+000 μmol/(m²·s)
PPFD=48.613 μmol/(m²·s)

Gems Color Grading Lamp

Model : Gemo-LP07 Part No. : WDP-P07

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Spectrum Test Report

Sample Info.:

Name:Gemo-LP07 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

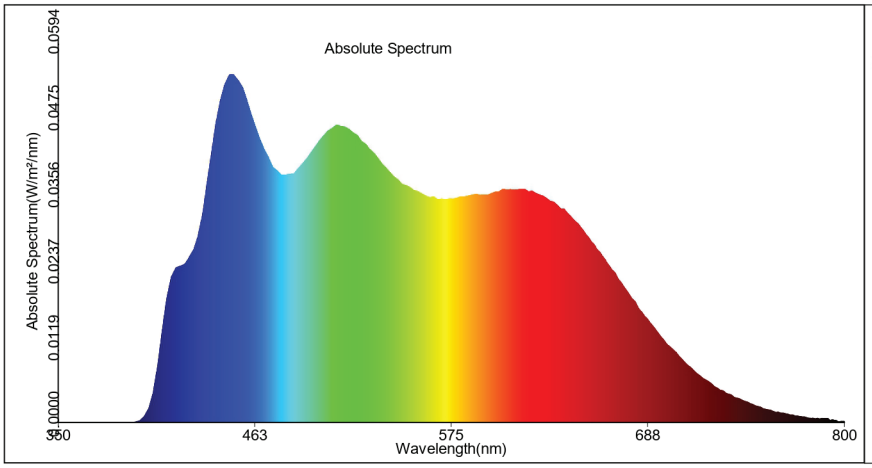
Humidity:65 %RH

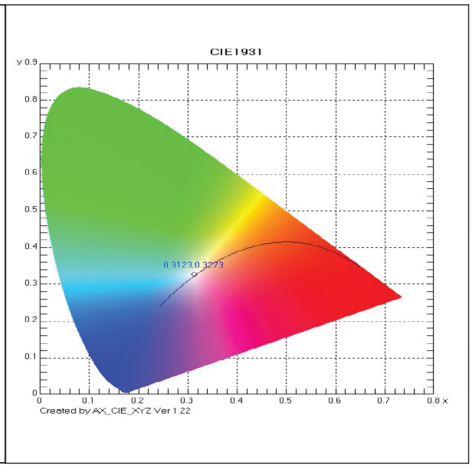
Remark:Gems Color Grading Lamp Gemo-LP07

Meter state:

Test Meter: PLA-20 Sensitivity: High

Integral T: 738 ms PeakAD Ip: 40872 Average times: 1





Test parameter:

E= 3025.7 lx E(fc)=281.199 fc

CIE x= 0.3123	CIE y= 0.3273	CIE u'=0.1982	CIE v'=0.4673
Tc=6543 K	Lp=450.0 nm	HW=230.1 nm	Ld=488.0 nm
Pur=7.6 %	Ratio_R=16.1 %	Ratio_G=76.5 %	Ratio_B=7.3 %
Duv=0.00254			

Ra=97.1	R1= 96	R2= 98	R3= 98
R4= 95	R5= 96	R6= 96	R7= 99
R8= 99	R9= 95	R10= 94	R11= 91
R12= 96	R13= 96	R14= 99	R15= 97

SDCM= 5.0(F6500)
White Class:C78.377_6500K

E1(400-700nm)=11.241 W/m² E2(380-780nm)=11.634 W/m²

Ech-A=1.8264 W/m²	Ech-B=2.3878 W/m²	Ef=0.36639 W/m²
Eb=3.9403 W/m²	Ey=4.2709 W/m²	Er=3.0387 W/m²
Ep=9.3722 Wphyto/m²	Erb_Ratio=0.77119	

PPFDf=2.2224E+000 μmol/(m²·s)
PPFD=50.839 μmol/(m²·s)