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-LP06 | Part No. : WDP-P06

Natural Light



Made in Thailand
MiT68010000001

HIGHCRI • HIGHCRI • HIGHCRI • HIGHCRI
98+

FLICKER FREE

LED

RoHS

Green Industry

TIS.1955-2551 TIS.2779-2562

Products of Thailand

Eff. Date 22/10/25
Rev.7

Gems Color Grading Lamp

Model : Gemo-LP06

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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.



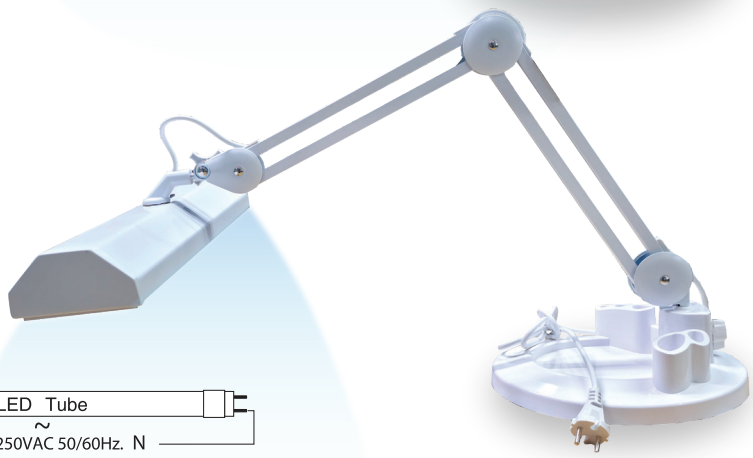
FLICKER FREE

LED

TIS.1955-2551 W.I.P. ELECTRIC CO.,LTD.

TIS.2779-2562 W.I.P. ELECTRIC CO.,LTD.

Natural Light



FEATURES

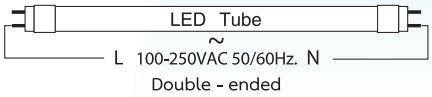
Made in Thailand
MiT6801000001

- Available in 6500K and 5700K
- 98+ CRI and R9 > 95
- Flicker free
- 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

WARNING

This luminaire has been modified to operate LED GemoLP-06 lamp, Do not attempt to install or operature fluorescent lamps in this luminaire.

Wiring Diagram

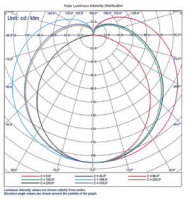


PHOTOMETRIC SPECIFICATIONS

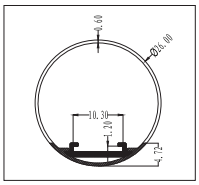
LED :	LED Chip
CRI :	98+
R9 :	95+
LED Lifetime (L70) :	50,000 hours
Light distribution :	>150°



Beam Angle

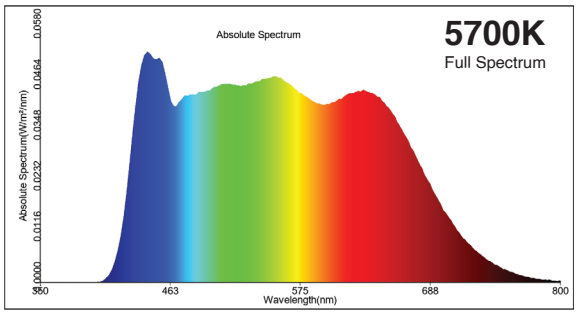


Tube



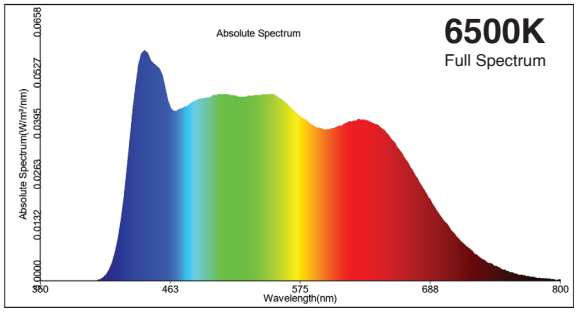
ELECTRICAL SPECIFICATIONS

Lamp base :	G13
Power :	10W x 2
Input voltage :	100 - 250 VAC
Input frequency :	50 - 60 Hz.
Power factor :	>0.95
THDi :	<15%
Flicker Free :	Yes



TECHNICAL SPECIFICATIONS

Illuminants :	Lamp 1 : 5700K ±300K	1337Lux ±15%	@40cm.
	Lamp 2 : 6500K ±300K	1240Lux ±15%	@40cm.
	Lamp 1 + Lamp 2 :	2524Lux ±15%	@40cm.



MECHANICAL SPECIFICATIONS

Product dimension (H x W x D) :	73cm x 47.5 cm x 49 cm
weight :	2.5Kg.
Package Dimension (H x W x D) :	13 cm x 21 cm x 82.5 cm
Base lamp weight :	4.7Kg.
Package Base lamp Dimension (H x W x D) :	9 cm x 24 cm x 31 cm
Gross weight :	7.2Kg.
Warranty :	1 Year

Gemo-LP06

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Switch Lamp 1 & Lamp2



Switch ON/OFF





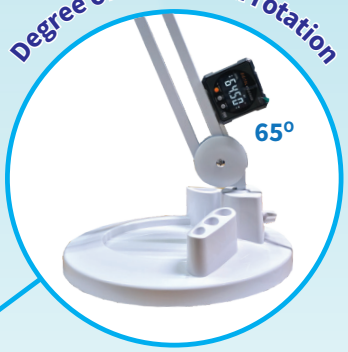
Lamp 1 & Lamp 2



Degree of upper arm rotation



Degree of lower arm rotation



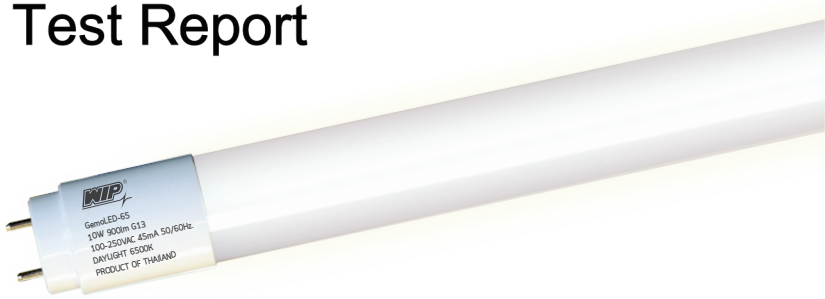
Base Lamp



Gems Color Grading T8 Tube

Model : GemoLED-65 Part No. : T8LP65-10

Spectrum Test Report



Sample Info.:

Name:GemoLED-65

Type:S-1

SN:001

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

Date:2025-05-31

Tester:Chanchai Chimwai

TMP:25.3 DEG

Humidity:65 %RH

Remark:GemoLED-65

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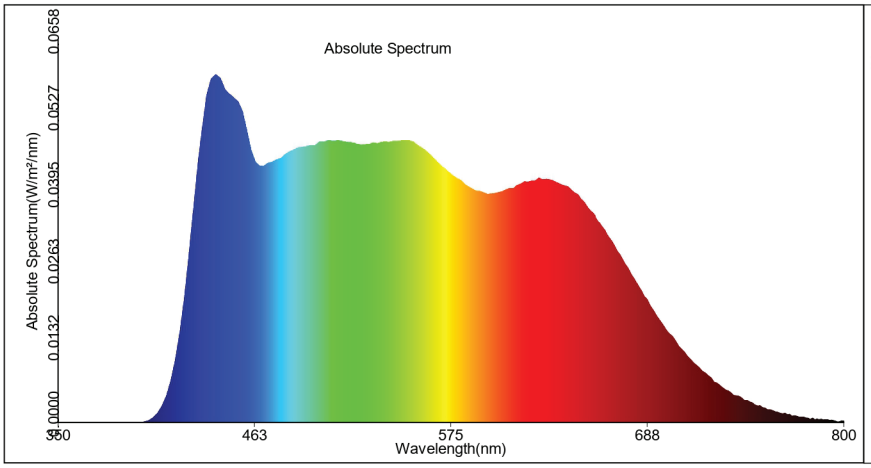
FLICKER FREE

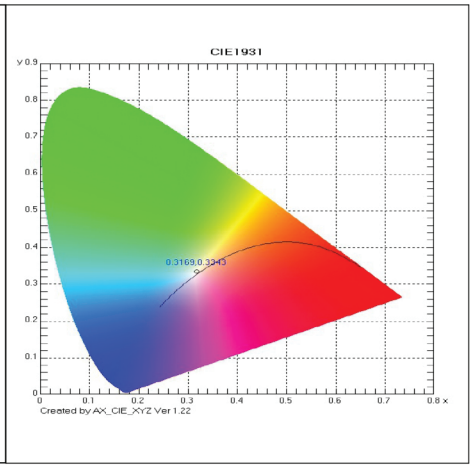
TIS.1955-2551
TIS.2779-2562

Meter state:

Test Meter: PLA-20 Sensitivity: High

Integral T: 704 ms PeakAD Ip: 44114.7 Average times: 1





Test parameter:

E= 3594.2 lx E(fc)=334.029 fc

CIE x= 0.3169	CIE y= 0.3343	CIE u'=0.1987	CIE v'=0.4718
Tc=6250 K	Lp=440.0 nm	HW=244.0 nm	Ld=492.5 nm
Pur=5.5 %	Ratio_R=15.8 %	Ratio_G=77.2 %	Ratio_B=7.0 %
Duv=0.00384			

Ra=98.1	R1= 99	R2= 98	R3= 97
R4= 98	R5= 99	R6= 97	R7= 98
R8= 98	R9=100	R10= 96	R11= 97
R12= 94	R13= 98	R14= 98	R15= 99

SDCM= 2.4(F6500)

E1(400-700nm)=13.014 W/m² E2(380-780nm)=13.501 W/m²

Ech-A=2.1283 W/m²	Ech-B=2.6672 W/m²	Ef=0.46182 W/m²
Eb=4.2651 W/m²	Ey=5.0314 W/m²	Er=3.7275 W/m²
Ep=10.923 Wphyto/m²	Erb_Ratio=0.87394	

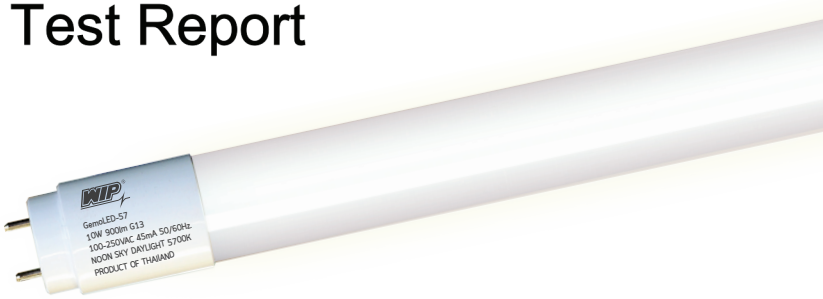
PPFDf=2.7994E+000 µmol/(m²·s)

PPFD=59.414 µmol/(m²·s)

Gems Color Grading T8 Tube

Model : GemoLED-57 Part No. : T8LP57-10

Spectrum Test Report



Sample Info.:

Name: GemoLED-57

Type:S-1

SN:001

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

Date:2025-05-31

Tester:Chanchai Chimwai

TMP:25.3 DEG

Humidity:65 %RH

Remark: GemoLED-57

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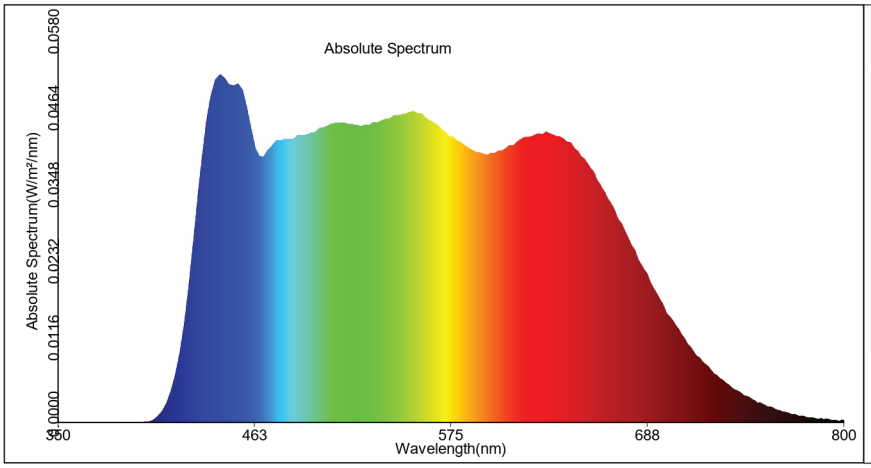
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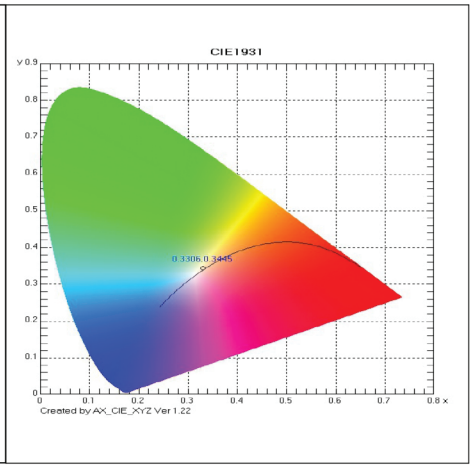
TIS.1955-2551
TIS.2779-2562

Meter state:

Test Meter: PLA-20 Sensitivity: High

Integral T: 756 ms PeakAD Ip: 42051.3 Average times: 1





Test parameter:

E= 3538.4 lx E(fc)=328.845 fc

CIE x= 0.3306	CIE y= 0.3445	CIE u'=0.2043	CIE v'=0.4790
Tc=5582 K	Lp=443.0 nm	HW=252.2 nm	Ld=539.8 nm
Pur=2.6 %	Ratio_R=16.7 %	Ratio_G=76.7 %	Ratio_B=6.6 %
Duv=0.00259			

Ra=98.8	R1= 99	R2= 99	R3= 98
R4= 99	R5=100	R6= 98	R7= 99
R8= 99	R9= 99	R10= 97	R11= 98
R12= 94	R13= 99	R14= 99	R15=100

SDCM= 5.4(5300K/ENM)

E1(400-700nm)=12.596 W/m² E2(380-780nm)=13.109 W/m²

Ech-A=2.0315 W/m²	Ech-B=2.5032 W/m²	Ef=0.48671 W/m²
Eb=3.7813 W/m²	Ey=4.9059 W/m²	Er=3.9177 W/m²
Ep=10.659 Wphyto/m²	Erb_Ratio=1.0361	

PPFDf=2.9504E+000 µmol/(m²·s)

PPFD=58.097 µmol/(m²·s)