

# The Light You Can Trust



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Official Website



## Long Wave UVA Light Box



Model : GemoLED-UVA | Part No. : WLG-365



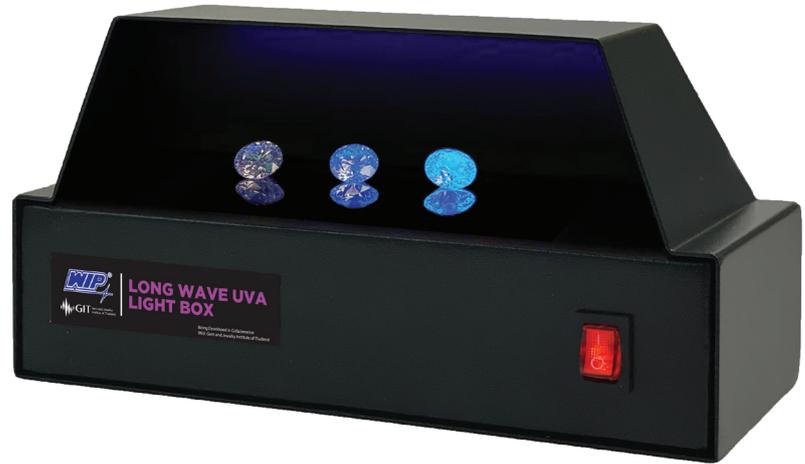
Products of Thailand

Eff. Date 21/01/25  
Rev.1

# Long Wave UVA Light Box

Model : GemoLED-UVA Part No. : WLG-365

The instrument to test mainly long wave fluorescent of the diamonds. The ample intensity for detecting fluorescence in many stone, with a principle wavelength of 365nm (BLB Blacklight Blue). The vision will not misguided by the bluish gleam of the visible blue part of UV light. Transmitted light on top with black appearing surface of the “Black Light”



## FEATURES

- LED 365nm BLB Blacklight Blue for transmitted
- UV filter for eye protection
- Flicker free
- Long service lifetime

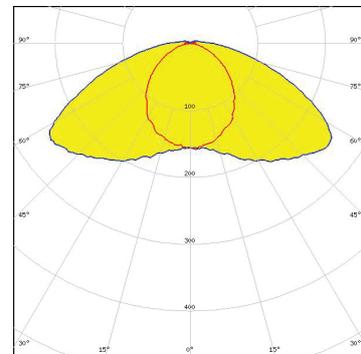
Model	Part No.	Power	TC
GemoLED-UVA	WLG-365	10W	UVA

## PHOTOMETRIC SPECIFICATIONS

LED :	Nichia
Wave Length :	365 nm
LED Lifetime (L70) :	25,000 hours
Light distribution :	~145° + 100° extra wide beam for uplighting

## ELECTRICAL SPECIFICATIONS

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



~145° + 100° extra wide beam for uplighting

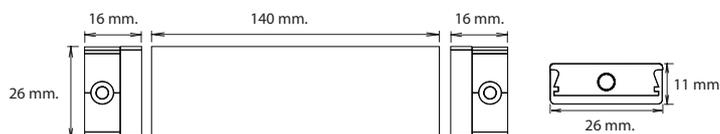
## TECHNICAL SPECIFICATIONS

Lens material :	PMMA
Illuminants :	UVA

## MECHANICAL SPECIFICATIONS

Enclosure material :	Aluminum with Powder Coating
Product dimension (H x W x D) :	11 cm x 20.5 cm x 8.5 cm
Weight :	980G.
Warranty :	1 Year

## Module Customization



### How to calculate the rail length

( Required Amount x Module (140 mm.) ) + Endcap (32mm.)

LED Driver Standard
TIS. 1955-2551
EN61347-1
EN61347-2-13
EN62384
EN55015
EN61000-3-2
EN61000-3-3
EN61547

# Long Wave UVA Light Box



Model : GemoLED-UVA Part No. : WLG-365

## Spectrum Test Report

### Sample Info.:

Name:GemoLED-UVA

Type:S-1

SN:001

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

Date:2024-11-20

Tester:Chanchai Chimwai

TMP:25.3 DEG

Humidity:65 %RH

Remark:Long Wave UVA Light Box

### Meter state:

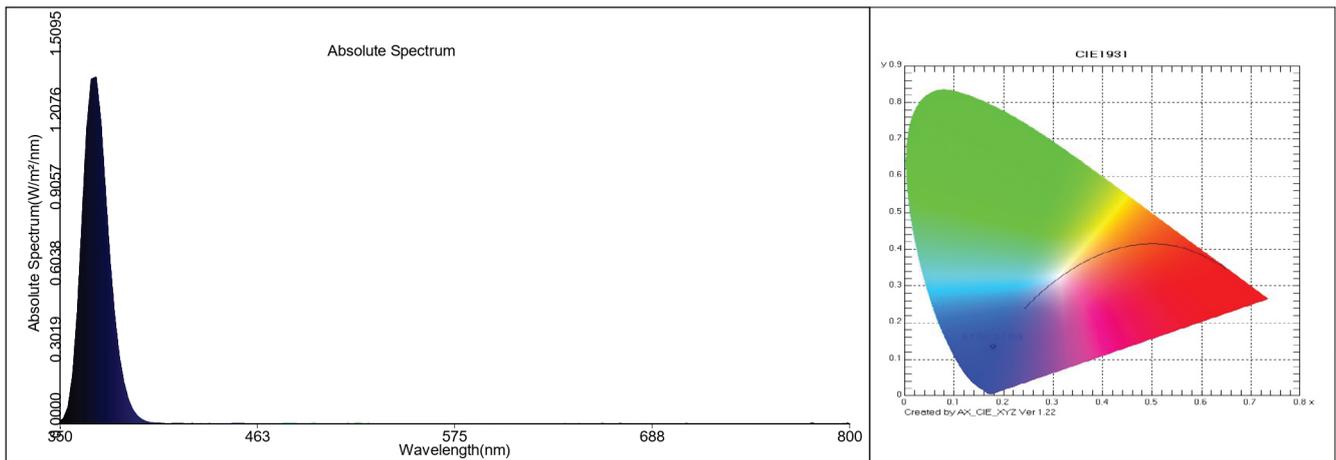
Test Meter: PLA-20

Sensitivity: High

Integral T: 45 ms

PeakAD Ip: 49237.8

Average times: 1



### Test parameter:

E= 11.2 lx

E(fc)=1.04204 fc

CIE x= 0.1782

CIE y= 0.1359

CIE u'=0.1668

CIE v'=0.2861

Tc=100000 K

Lp=365.0 nm

HW=16.3 nm

Ld=471.1 nm

Pur=73.1 %

Ratio\_R=6.5 %

Ratio\_G=72.2 %

Ratio\_B=21.3 %

Duv=0.07645

Ra=38.6

R1= 53

R2= 86

R3= 54

R4= 27

R5= 47

R6=-30

R7= 74

R8= -2

R9= 13

R10= 61

R11= 29

R12=-23

R13= 36

R14= 74

R15= 65

SDCM=91.3(8000K/EDF)

White Class:OUT

E1(400-700nm)=0.098719 W/m<sup>2</sup>

E2(380-780nm)=3.1334 W/m<sup>2</sup>

Ech-A=0.031529 W/m<sup>2</sup>

Ech-B=0.021984 W/m<sup>2</sup>

Ef=0.0039652 W/m<sup>2</sup>

Eb=0.073404 W/m<sup>2</sup>

Ey=0.01605 W/m<sup>2</sup>

Er=0.0092704 W/m<sup>2</sup>

Ep=10.887 Wphyto/m<sup>2</sup>

Erb\_Ratio=0.12629

PPFDf=2.3998E-002 μmol/(m<sup>2</sup>·s)

PPFD=0.387 μmol/(m<sup>2</sup>·s)