

Gems Color Grading Cabinet

Series : GemoLED Pro



@wipintertrade



Official Website



Specification

Light source for the colour grading of gemstone was developed in a collaboration between GIT (Gem and Jewelry Institute 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, allows the addition of a customizable percentage of UV-light



Place of Origin	: Thailand
Jewelry tool & Equipment Type	: Testers & Measurements
Model	: Gemo-L001
Part No.	: WDL-A01
Product name	: Gems Color Grading Cabinet
Function	: Identification of brilliance reaction by LED Full Spectrum & High CRI98+ with Ultraviolet light
Input voltage	: 100-240VAC 50-60Hz
THDi	: <10%
Power consumption	: 175W (Max)
Surge protection	: 10KV
Light source	: LED T8 tube socket G13 x 5 : External driver (Constant Current) : Dimmable : Flicker free : Surge protection 2KV
LED	: Nichia
Lens material	: PMMA
Illuminants	: Daylight 6500K CRI98+ Warm White 2500K CRI90+ Noon sky Daylight 5700K CRI98+ Noon sky Daylight 5000K CRI98+ UVA
Control output	: 5 Relays SPDT : Contract Rating 5A/250Vac (resistive load)
Operating Temperature	: 0 °C to +50 °C
Humidity tolerance	: 0-90% w/o condensation
Enclosure material	: Aluminum with Powder Coating
Viewing area (H x W x D)	: 45 cm x 64 cm x 54 cm
Product dimension (H x W x D)	: 58 cm x 72 cm x 64 cm
Weight	: 11.5 Kg.
Warranty	: 1 Year

LED Driver Standard

(Thai)	: TIS. 1955-2551
(China)	: GB19510.1, GB19510.14
(Germany)	: EN61347-1, EN61347-2-13, EN62493
(CB Member States)	: IEC61347-1, IEC61347-2-13
(European Union)	: EN61347-1, EN61347-2-13, EN62384
(Korea)	: KC61347-1, KC61347-2-13
(Russia)	: IEC6137-1, IEC61347-2-13
(Australia)	: AS61347-1, AS61347-2-13
(Europe)	: EN61347-1, EN61347-2-13, EN62384
(Britain)	: BS EN61347-1, BS EN61347-2-13, BS EN62493
(India)	: IS15885 (Part 2/SEC 13)
(Canada)	: CSA C22.2 NO.250.13
(America)	: UL8750

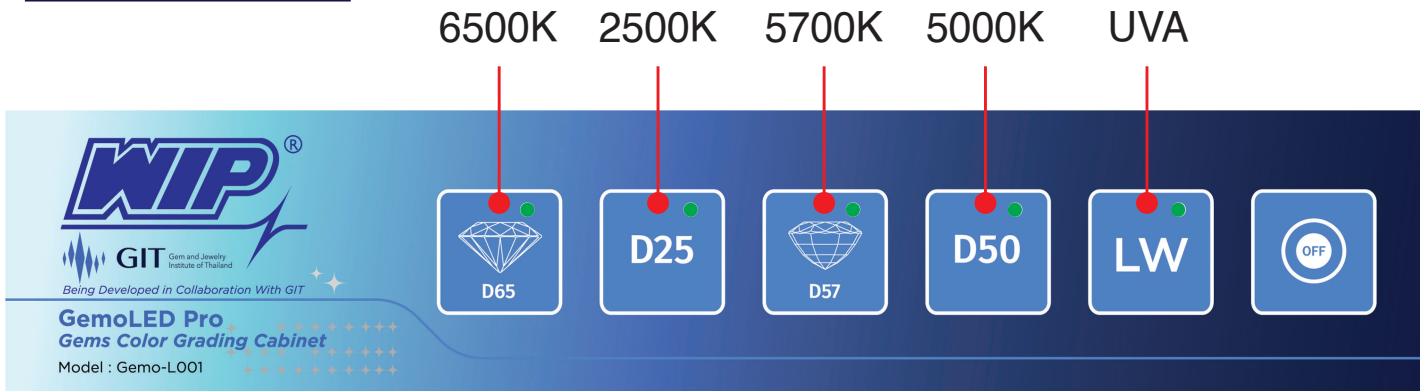
EMC Emission

(China)	: GB/T17743, GB17625.1
(European Union)	: EN55015, EN61000-3-2, EN61000-3-3, EN61547
(Korea)	: KSC9815, KSC9547
(Russia)	: IEC62493, IEC61547, EH55015
(Australia)	: EN55015, EN61000-3-2, EN61000-3-3, EN61547
(Britain)	: BS EN IEC55015, BS EN IEC61000-3-2, BS EN61000-3-3, BS EN61547
(Canada)	: ICES-005
(America)	: FCC PART 15B

EMC Immunity

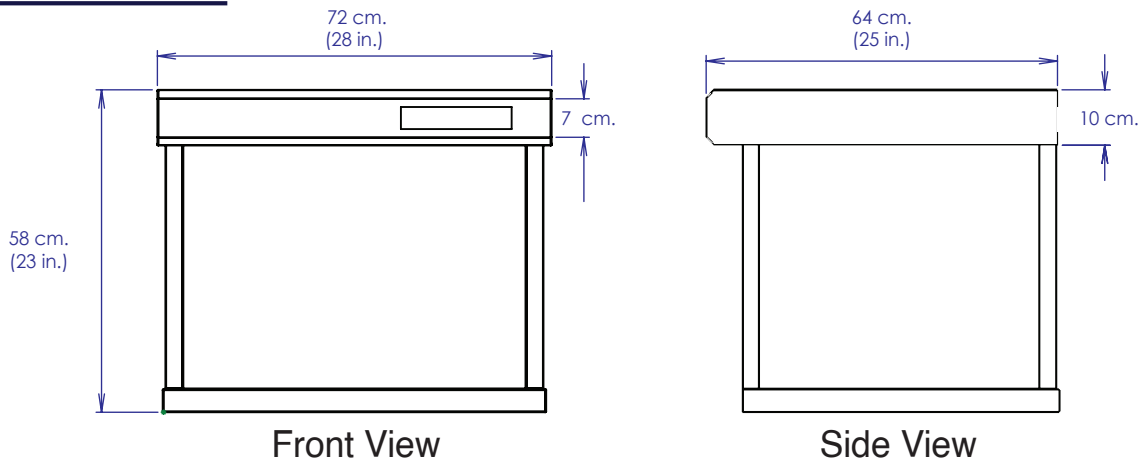
EN61000-4-2,3,4,5,6,8,11, EN61547

Controller

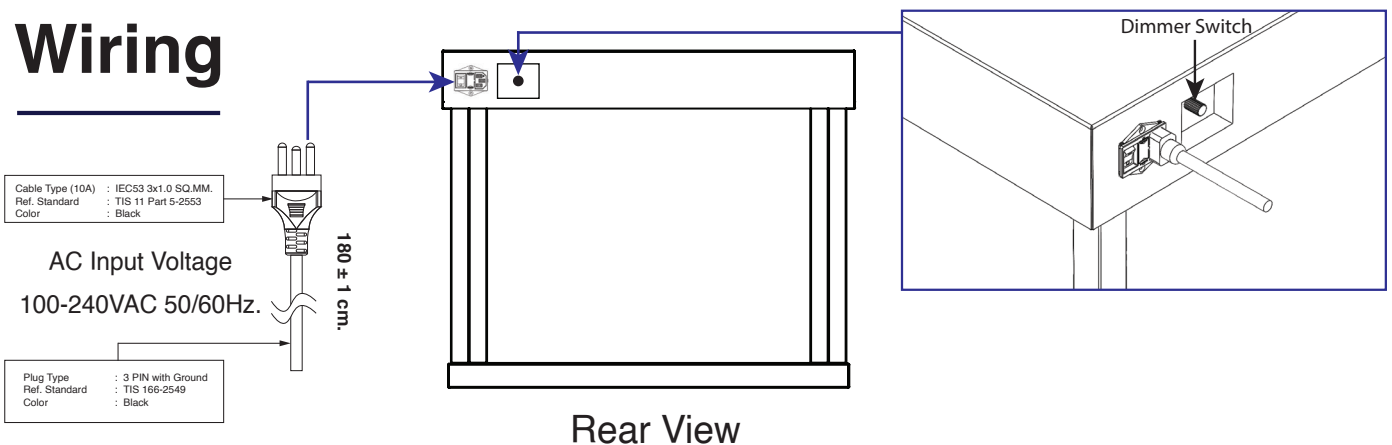


Part No.	Number of Sources	Lamp Size (T8 Lamps)	Power	Description
T8L65-35	One	60 cm. (24 In.)	35W (Max)	D65 (Daylight 6500K) CRI98+
T8L25-35	Two	60 cm. (24 In.)	35W (Max)	D25 (Warm White 2500K) CRI90+
T8L57-35	Three	60 cm. (24 In.)	35W (Max)	D57 (Noon Sky Daylight 5700K) CRI98+
T8L50-35	Four	60 cm. (24 In.)	35W (Max)	D50 (Noon Sky Daylight 5000K) CRI98+
T8LLW-35	Five	60 cm. (24 In.)	35W (Max)	LW (UVA)

Dimension

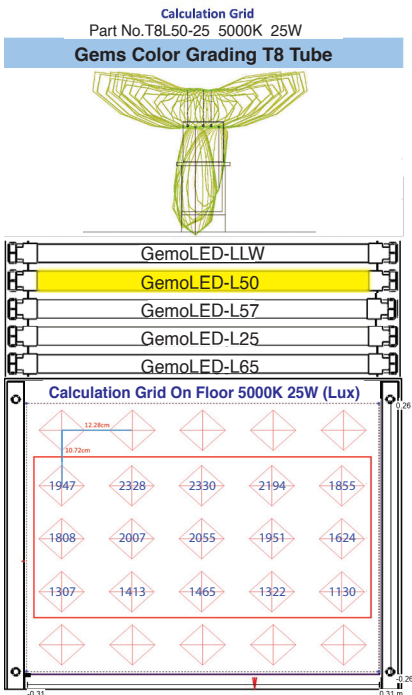
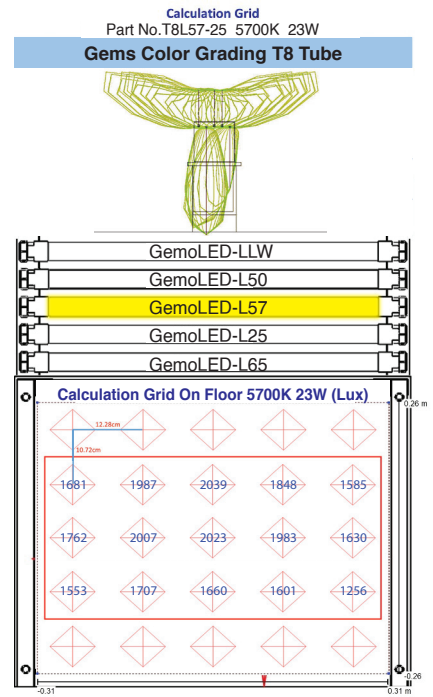
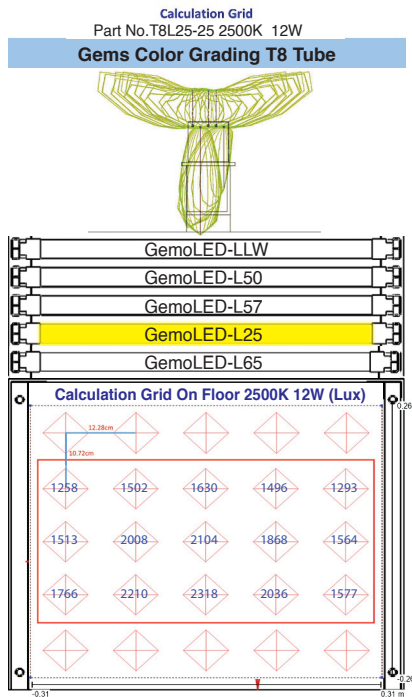
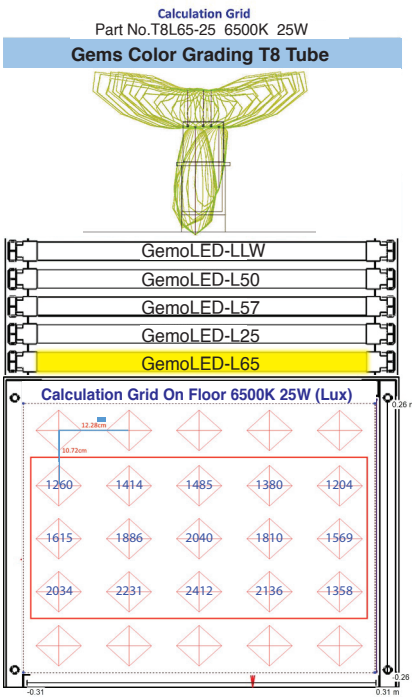


Wiring



Gems Color Grading T8 Tube (Socket G13)

Series	Part No.	Power	Input Voltage	CCT	CRI	Lens	Beam Angle	Wiring
GemoLED Pro	T8L65-35	35W (Max.)	42VDC, 600mA	6500K ±300	98+	PMMA	~165° + 130°	Single End
	T8L25-35	35W (Max.)	42VDC, 600mA	2500K ±300	90+	PMMA	~40° + 100°	Single End
	T8L57-35	35W (Max.)	42VDC, 600mA	5700K ±300	98+	PMMA	~165° + 130°	Single End
	T8L50-35	35W (Max.)	42VDC, 600mA	5000K ±300	98+	PMMA	~165° + 130°	Single End
	T8LLW-35	35W (Max.)	42VDC, 600mA	UVA	-	PMMA	Asymmetric beam for wall washing	Single End

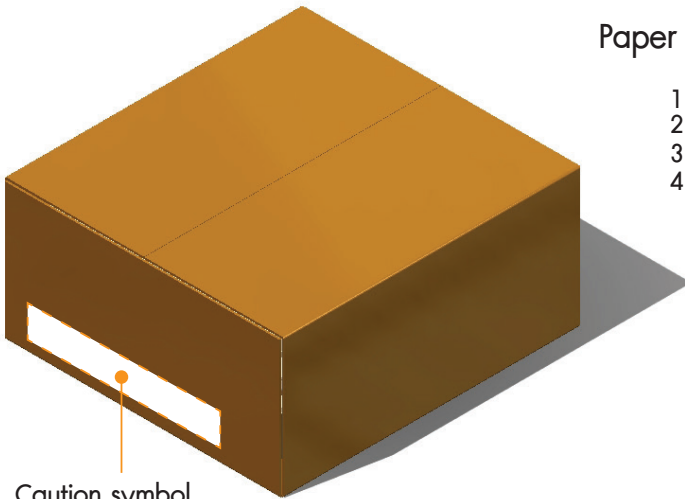


Package

Packing

Packaging details : Foam + carton
 Selling units : Single item
 Single package size (H x W x D) : 35cm x 79cm x 72cm
 Single gross weight : 16.5 Kg

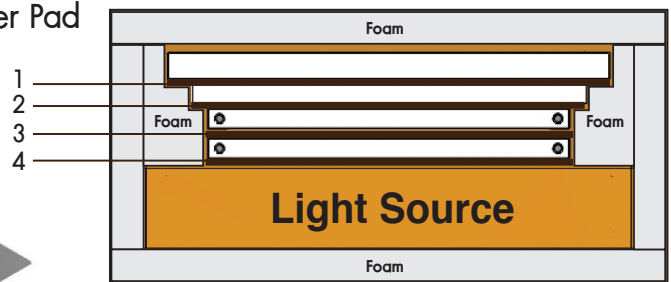
Each layer will have a paper pads, 4pads in total.
 Type of paper : Kraft paper (KA185)



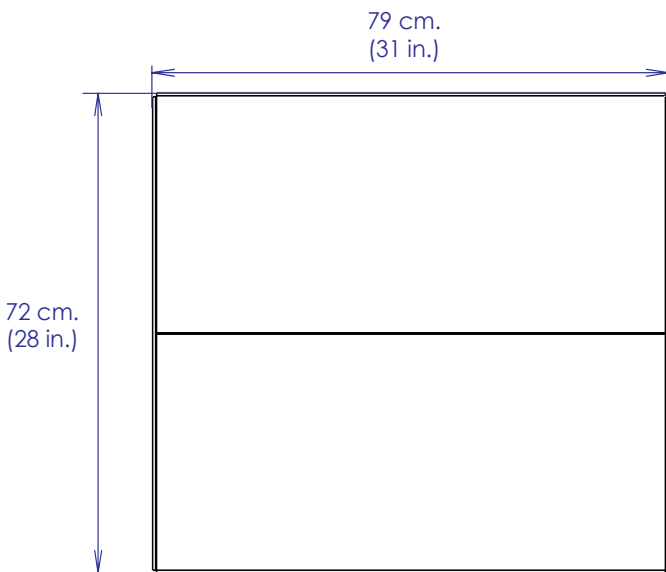
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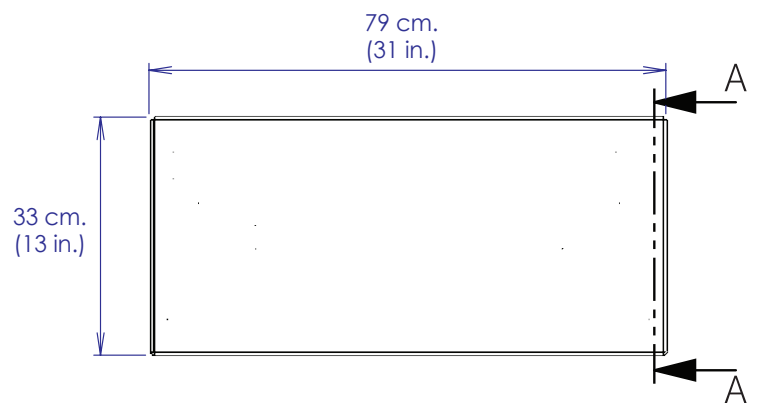
Paper Pad



Section A - A



Top View



Side View

Products : Gems Color Grading T8 Tube

Model : GemoLED-L65

Part No. : T8L65-35 (For Cabinet Large Size)

Description : Gems Color Grading T8 Tube the higher CRI 98+, provide better natural color with more depth for Model : Gemo-L001

Tube length : Ø 28.8mm. x 600 mm.

Material : Aluminum Extrusion

Lens : PMMA

Socket : G13

Protection : IP30

Light Source

LED Chip : Nichia

Wattage : 35W (Max)

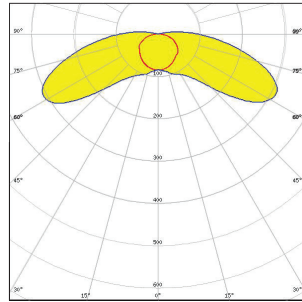
CCT : 6500K ±300K

Beam Angle : ~165° + 130° extra wide beam for uplighting

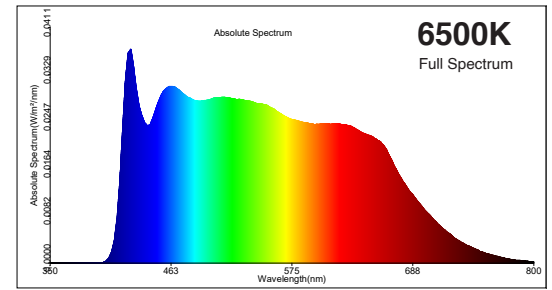
Dim : Dimmable

Input Voltage : 42VDC 720mA

Warranty : 1 Year



Patent: 1901005578



Products : Gems Color Grading T8 Tube

Model : GemoLED-L35

Part No. : T8L25-25 (For Cabinet Large Size)

Description : Gems Color Grading T8 Tube the higher CRI 90+, provide better natural color with more depth for Model : Gemo-L001

Tube length : Ø 28.8mm. x 600 mm.

Material : Aluminum Extrusion

Lens : PMMA

Socket : G13

Protection : IP30

Light Source

LED Chip : Nichia

Wattage : 35W (Max)

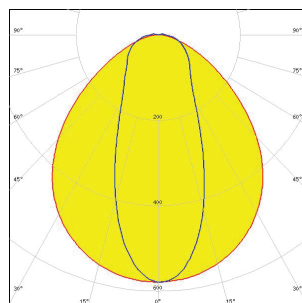
CCT : 2500K ±300K

Beam Angle : ~40° + 100° Oval beam

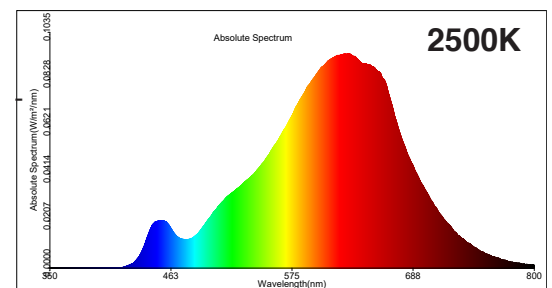
Dim : Dimmable

Input Voltage : 42VDC 720mA

Warranty : 1 Year



Patent: 1901005578



Products : Gems Color Grading T8 Tube

Model : GemoLED-L57

Part No. : T8L57-35 (For Cabinet Large Size)

Description : Gems Color Grading T8 Tube the higher CRI 98+, provide better natural color with more depth for Model : Gemo-L001

Tube length : Ø 28.8mm. x 600 mm.

Material : Aluminum Extrusion

Lens : PMMA

Socket : G13

Protection : IP30

Light Source

LED Chip : Nichia

Wattage : 35W (Max)

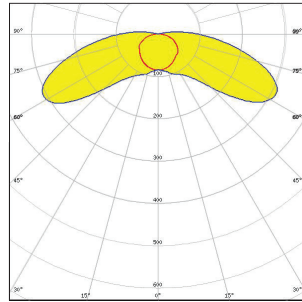
CCT : 5700K ±300K

Beam Angle : ~165° + 130° extra wide beam for uplighting

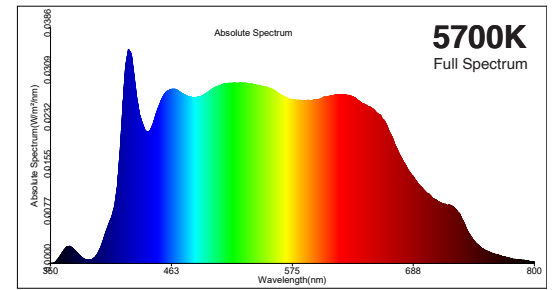
Dim : Dimmable

Input Voltage : 42VDC 720mA

Warranty : 1 Year



Patent: 1901005578



Products : Gems Color Grading T8 Tube

Model : GemoLED-L50

Part No. : T8L50-35 (For Cabinet Large Size)

Description : Gems Color Grading T8 Tube the higher CRI 98+, provide better natural color with more depth for Model : Gemo-L001

Tube length : Ø 28.8mm. x 600 mm.

Material : Aluminum Extrusion

Lens : PMMA

Socket : G13

Protection : IP30

Light Source

LED Chip : Nichia

Wattage : 35W (Max)

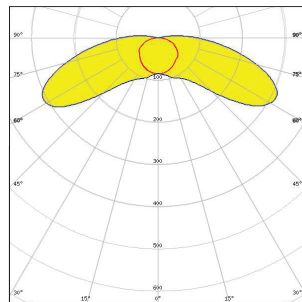
CCT : 5000K ±300K

Beam Angle : ~165° + 130° extra wide beam for uplighting

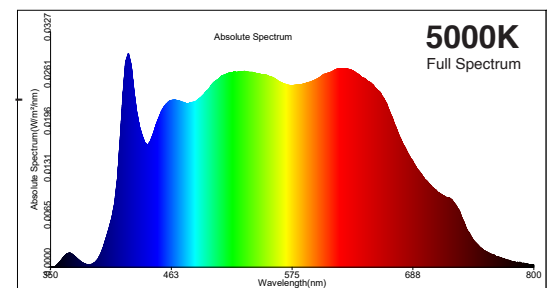
Dim : Dimmable

Input Voltage : 42VDC 720mA

Warranty : 1 Year



Patent: 1901005578



Products : Gems Color Grading T8 Tube

Model : GemoLED-LLW

Part No. : T8LLW-35 (For Cabinet Large Size)

Description : Gems Color Grading T8 Tube provide better natural color with more depth for Model : Gemo-L001

Tube length : Ø 28.8mm. x 600 mm.

Material : Aluminum Extrusion

Lens : PMMA

Socket : G13

Protection : IP30

Light Source

LED Chip : Nichia

Wattage : 35W (Max)

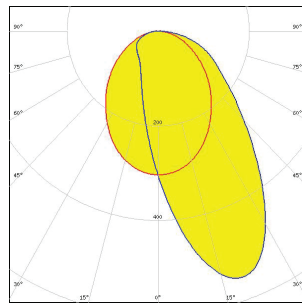
CCT : UVA

Beam Angle : Asymmetric beam for wall washing

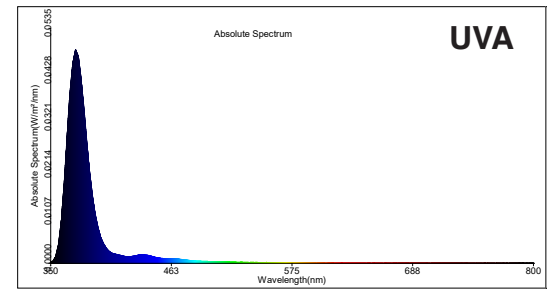
Dim : Dimmable

Input Voltage : 42VDC 720mA

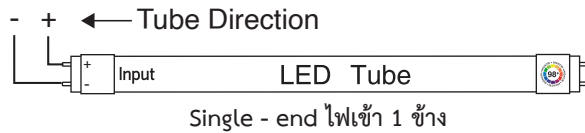
Warranty : 1 Year



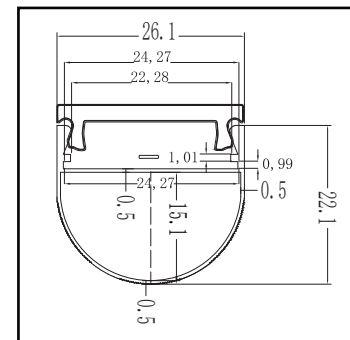
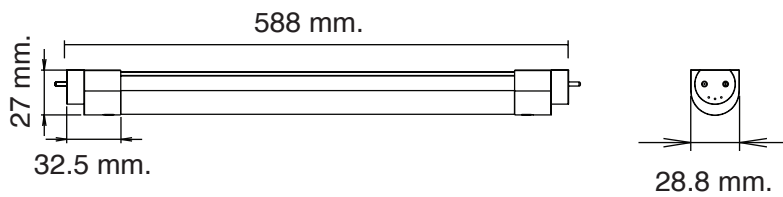
Patent: 1901005578



Wiring Diagram



Dimension



Position Tube

