



R U V I X

UV + CURING + SYSTEM

High-Power UV LAMP CURING SYSTEM





PRODUCT BY RUVIX UV CURE CONTROLLER

UV CURING SYSTEM AT RUVIX

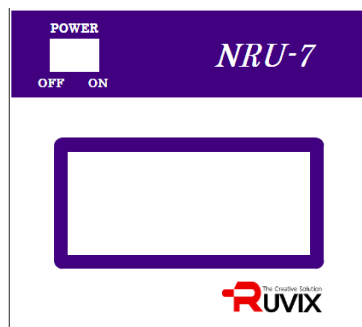
PRODUCT

UV CURING

- The latest performance and innovative slim type UV Technology

NRU-7

- UV output over 4000mW/cm²
- 200W Mercury xenon lamp
- Easy to setting with the touch panel
- Over 4000 hours of lamp lifetime



200W Mercury xenon lamp



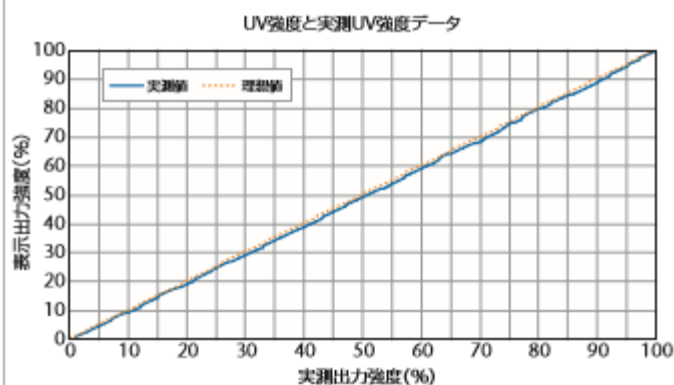
- UV intensity of more than 4000mW/cm²
- 200W Mercury xenon lamp
- Over 4000 hours of lamp lifetime (Lamp lifetime is not guaranteed.)

Easy to exchange the lamp



- Not necessary to adjust optical axis when exchanging
- Able to exchange without tool
- Not necessary to connect the electrode line and fix

- Able to control the intensity by 1% unit using the step motor



- Apply the step motor driving system that can control uniformly
- Able to control the intensity by 1% unit

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UV CURING SYSTEM AT RUVIX

Easy to apply various wavelength filters



- Able to install IR filter and specific wavelength filter
- Heat block filter(IR filter)
 - 365nm wavelength filter
 - Short wavelength block filter, etc.

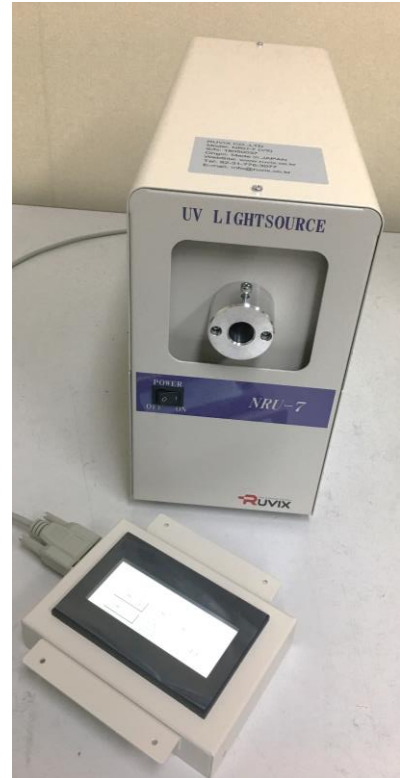
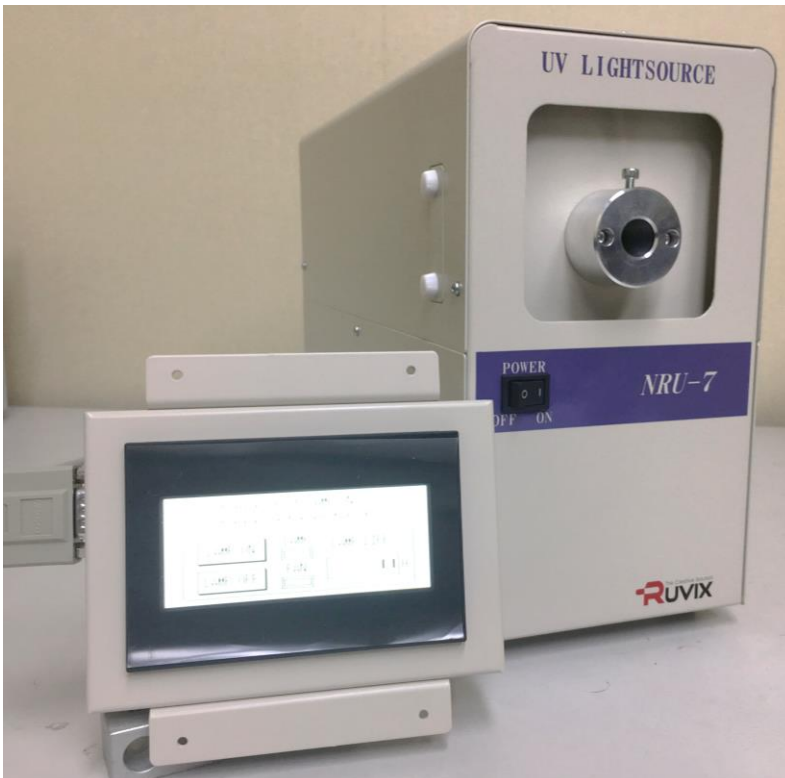
L C D touch screen



- Setting check and change through the screen
- Intensity setting : set in 1% unit(1-100%)
- Timer setting : set in 0.1sec to 999.9sec in 0.1sec.

Separating touch panel

NRU-7 V2



- Separate touch panel for easy installation
- Choice of All-in-one or separate touch screen

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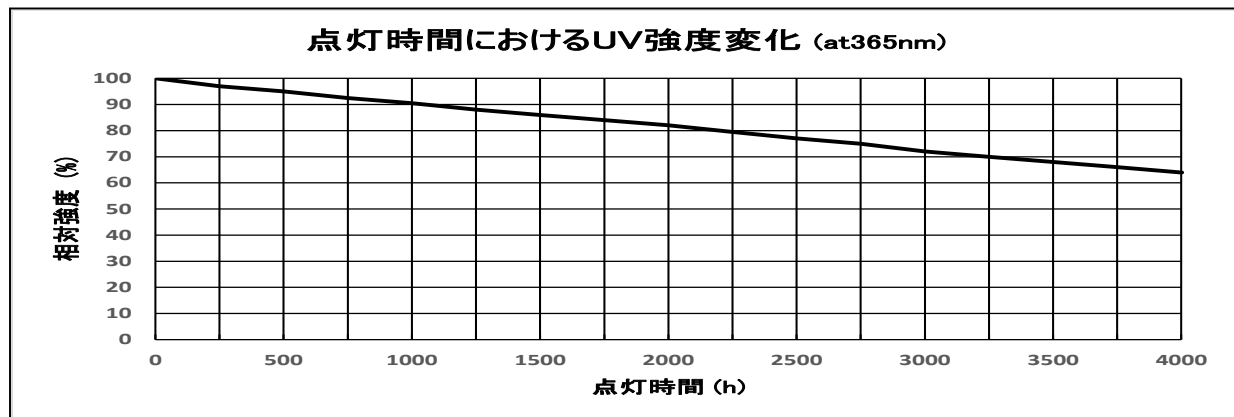
PRODUCT BY RUVIX UV CURE CONTROLLER

UV CURING SYSTEM AT RUVIX

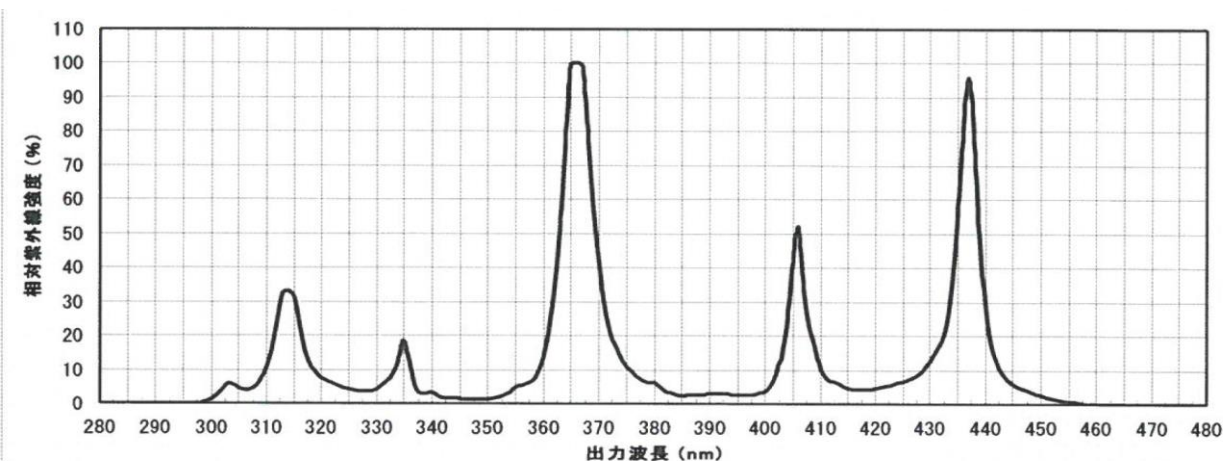
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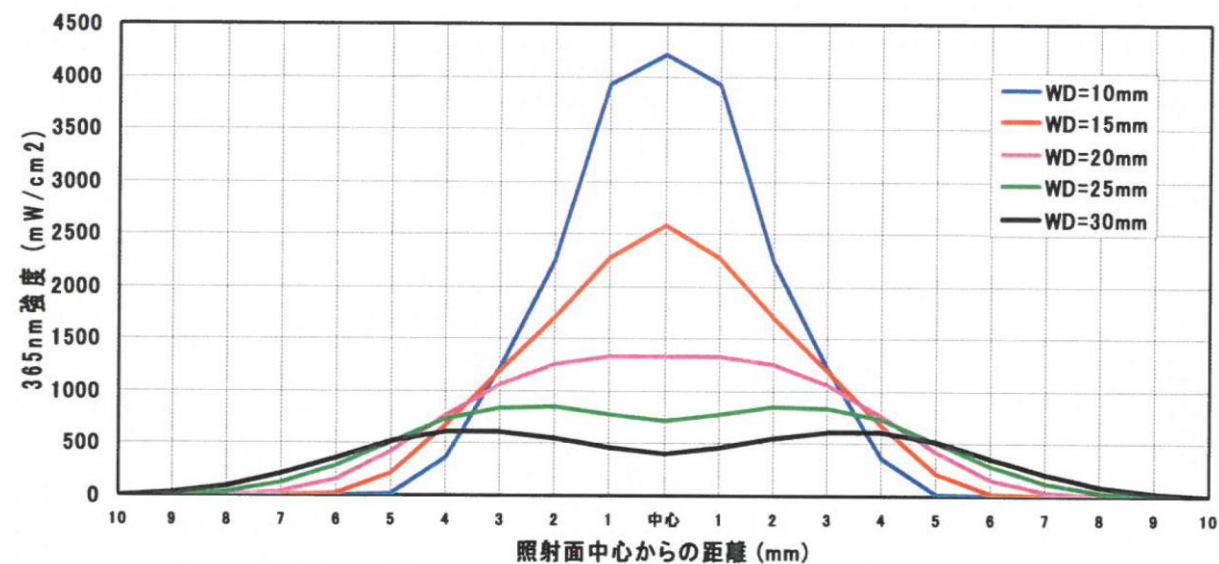
• Lamp lifetime data



• Wavelength data



• $\phi 5$ 1branch light guide data (without lens)



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UV CURING SYSTEM AT RUVIX

• Easy to external control(I/O terminal & 25Pin D-sub connector)

It is possible to confirm the light intensity, time and facility operation from the outside by applying various function remote modes which can be controlled and verified from external facility.



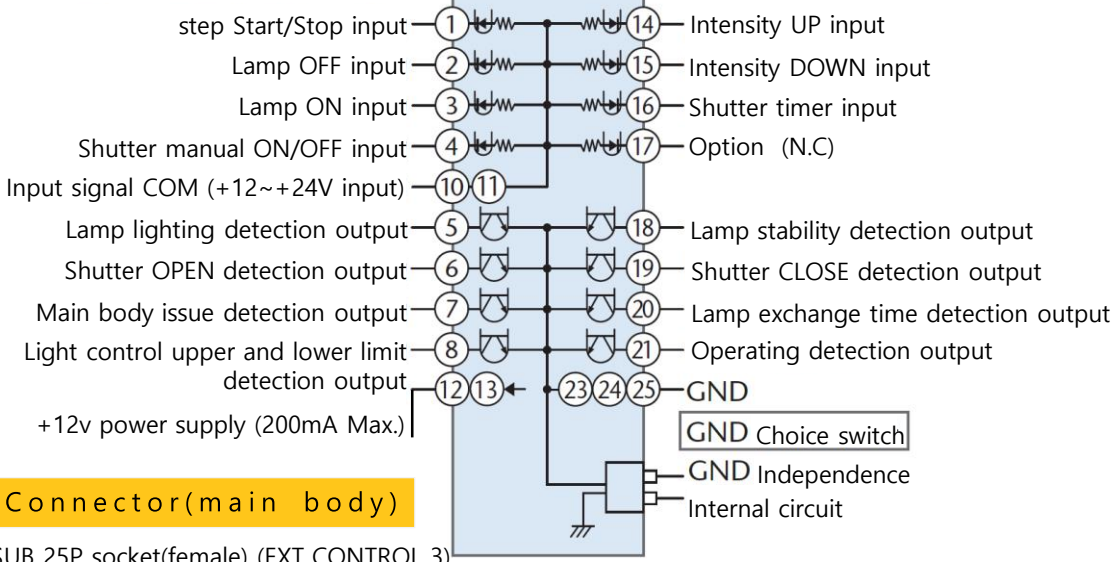
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| Contents | Front panel | External remote mode |
|--------------------------|-----------------------|-----------------------|
| POWER ON/OFF | <input type="radio"/> | |
| LAMP ON/OFF | <input type="radio"/> | <input type="radio"/> |
| Intensity UP/DOWN | <input type="radio"/> | <input type="radio"/> |
| Sutter on/off setting | <input type="radio"/> | <input type="radio"/> |
| Light emitting control | <input type="radio"/> | <input type="radio"/> |
| Sutter manual open/close | <input type="radio"/> | <input type="radio"/> |
| Sutter open output | | <input type="radio"/> |
| Sutter timer start | <input type="radio"/> | <input type="radio"/> |
| Step call | <input type="radio"/> | |
| Step setting | <input type="radio"/> | |
| step START/STOP | <input type="radio"/> | <input type="radio"/> |
| Lamp lifetime | <input type="radio"/> | Lifetime output |
| Lamp light display | <input type="radio"/> | output |
| Lamp stability output | Display only | <input type="radio"/> |
| Body cooling | <input type="radio"/> | |
| Lamp lifetime reset | <input type="radio"/> | |
| Body abnormal output | <input type="radio"/> | <input type="radio"/> |
| Output during operation | | <input type="radio"/> |

NRU-7

EXT CONTROL





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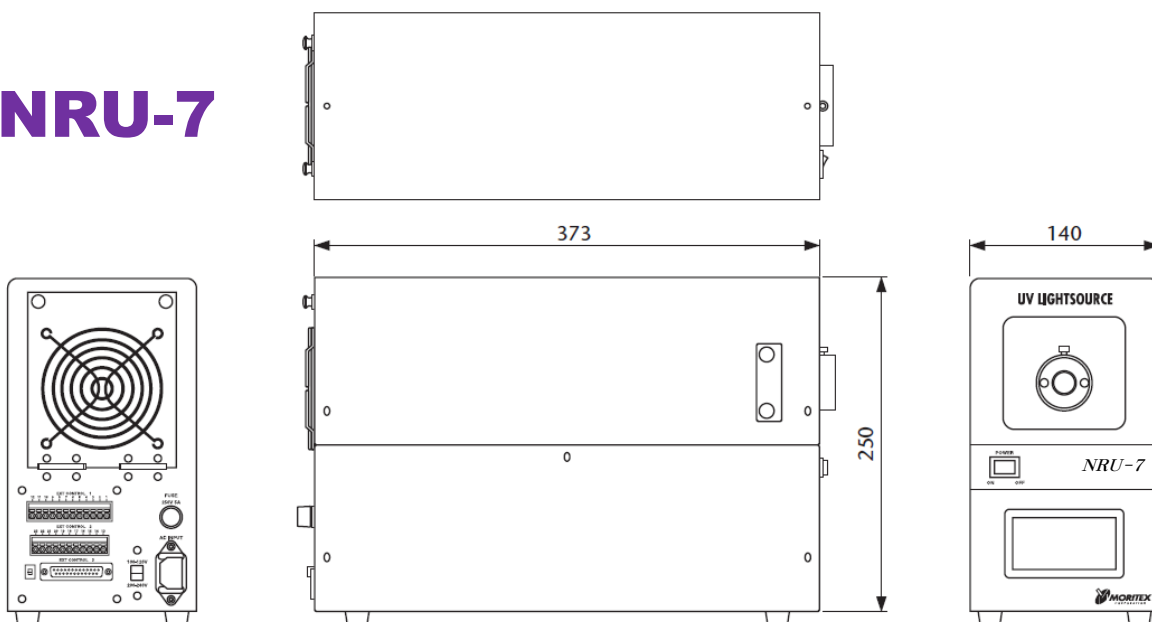
UV CURING SYSTEM AT RUVIX

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| | |
|-----------------------------|---|
| Model | NRU-7 |
| Lamp | Mercury xenon 200W lamp |
| SIZE | 140 x 250 x 373 (without the projection part) |
| Feature | Low cost, high power |
| Lamp form | NRUL-7 |
| Lamp lifetime | Average 3,000 hours / warranty 2,000 hours |
| Intensity (standard: 365nm) | 4,000mW/cm ² |
| Optical axis adjustment | No adjustment |
| Light emitting method | Mechanical light emitting |
| Shutter driving system | Manual /digital timer |
| Consumption power | 500W / 5 A |
| Weight | 7kg |
| Fiber | Quartz |

NRU-7



PRODUCT BY RUVIX UV CURE CONTROLLER



UV CURING SYSTEM AT RUVIX

• Light guides

M — **S** —

Branch
S= Straight
W= double
3= three
4= four
K= line
R= ring

Material
λ= glass
ι= quartz

Unit diameter
3.5= $\phi 3.5$
5= $\phi 5$
8= $\phi 8$

Fiber length (mm)

Spec
UV III = UV type
None = visible light type



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| | | |
|---------------------------------------|---|---------------|
| MSS5-1000S-UV III | <p>Bundle diameter Random Thermal resistance of incident surface: 500°C</p> | Standard |
| MWS5-1000S-UV III | <p>Bundle diameter Random Thermal resistance of incident surface: 500°C</p> | Standard |
| M4S5-1000S-UV III | <p>Bundle diameter Random Thermal resistance of incident surface: 500°C</p> | Standard |
| MSS10-1000S-UV III | <p>Bundle diameter Random Thermal resistance of incident surface: 500°C</p> | Special order |
| MKS50 X 0.4W -1000S-UV III | <p>Bundle diameter Random Thermal resistance of incident surface: 500°C</p> | Special order |
| MSS3.5-1000S-UV III | <p>Bundle diameter Random Thermal resistance of incident surface: 500°C</p> | Standard |
| MWS3.5-1000S-UV III | <p>Bundle diameter Random Thermal resistance of incident surface: 500°C</p> | Standard |



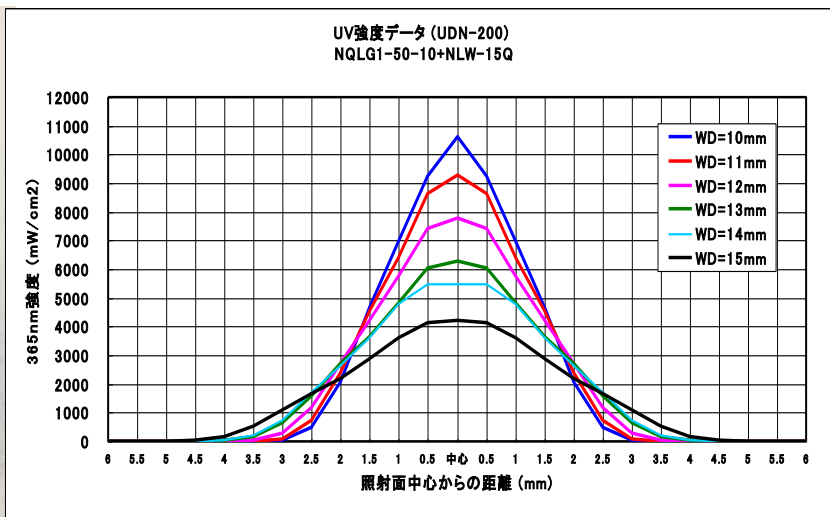
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UV CURING SYSTEM AT RUVIX

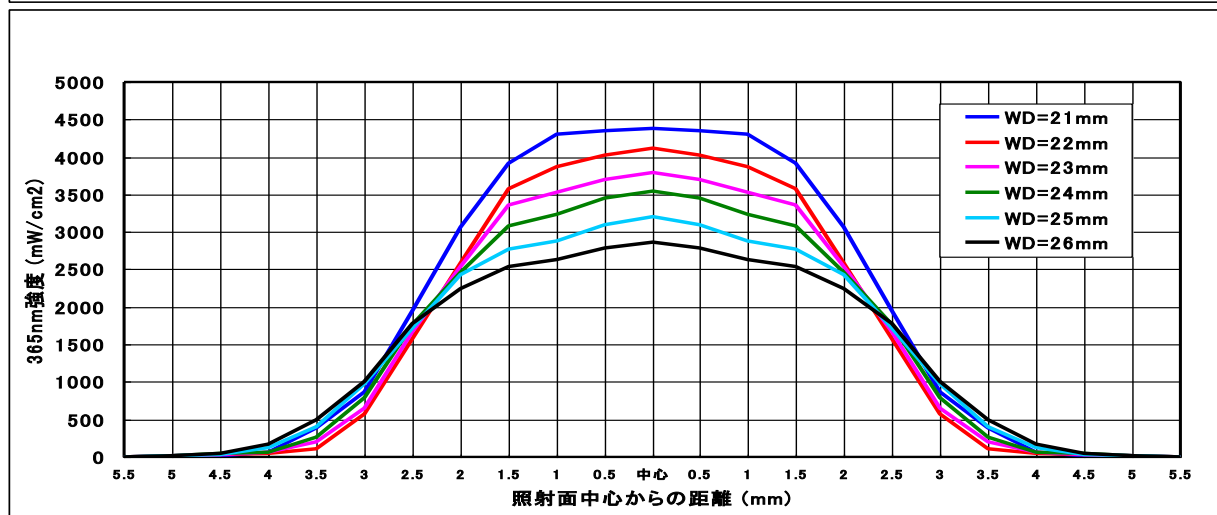
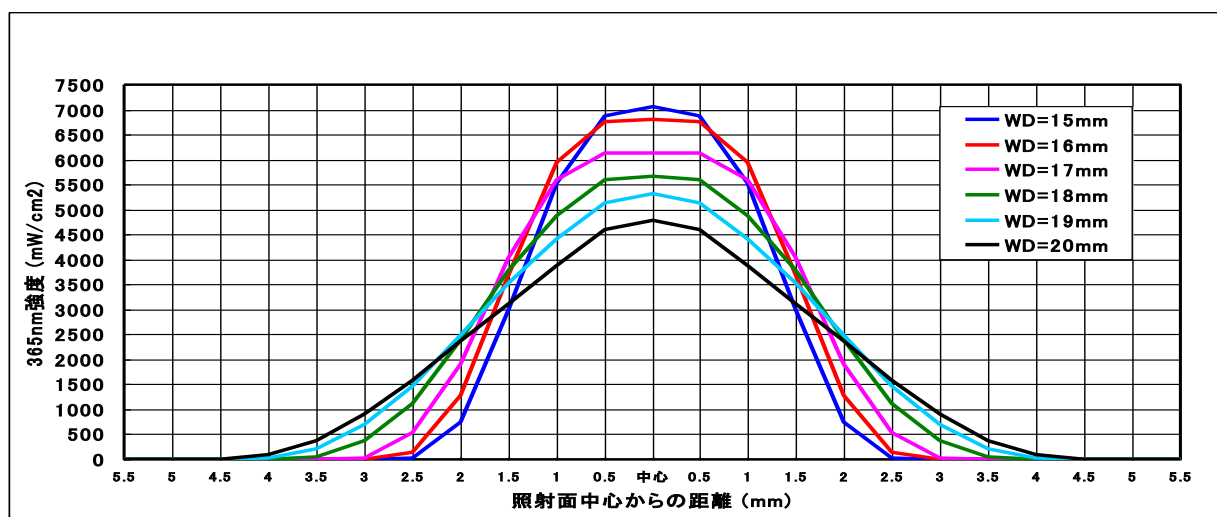
PRODUCT

UV
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- φ5 1branch light guide NRW-15H ultra condensing lens data



- φ5 1branch light guide NRS-15H condensing lens data

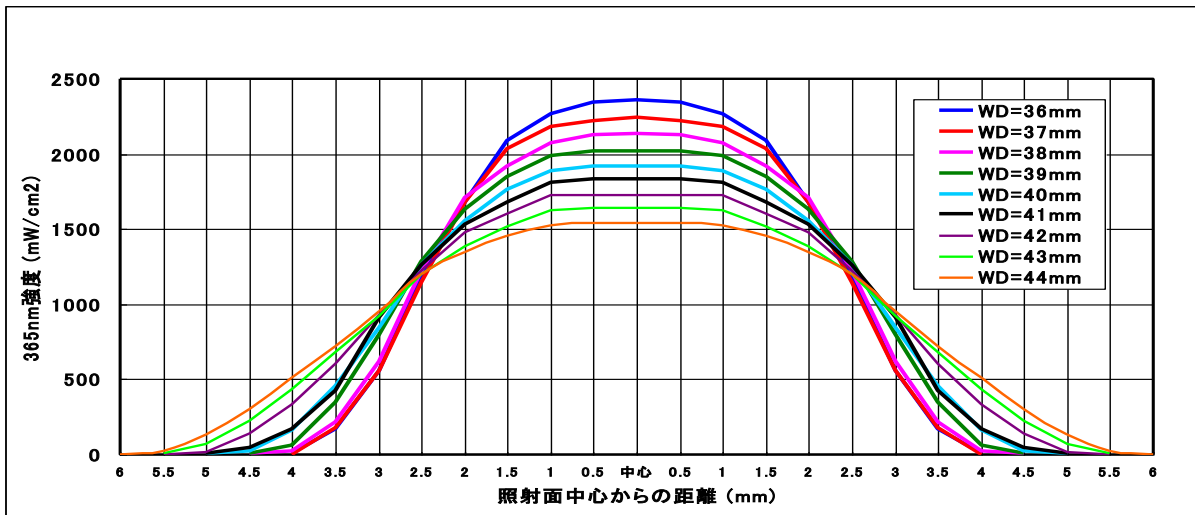
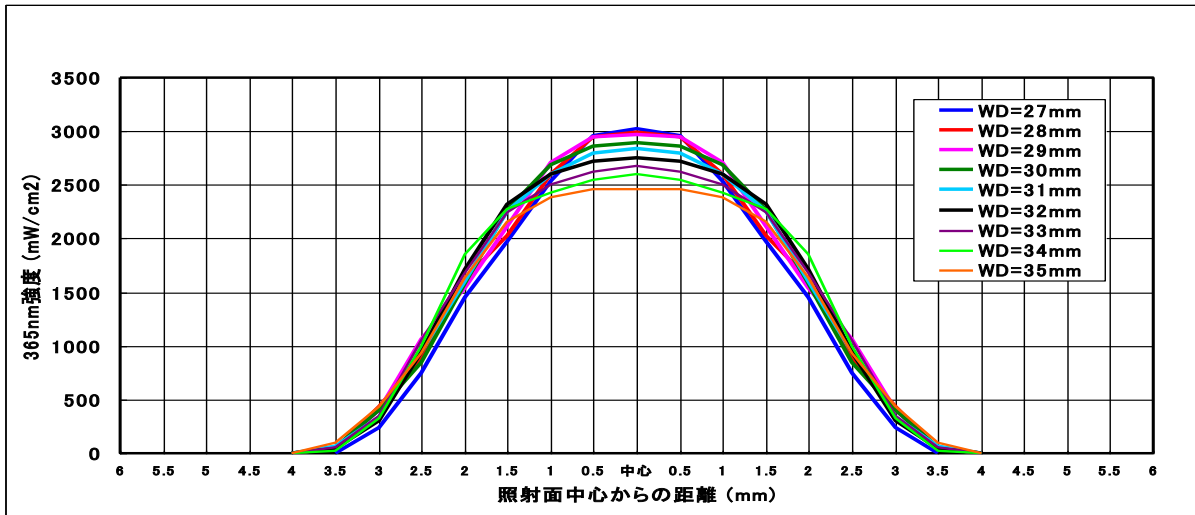


PRODUCT BY RUVIX UV CURE CONTROLLER

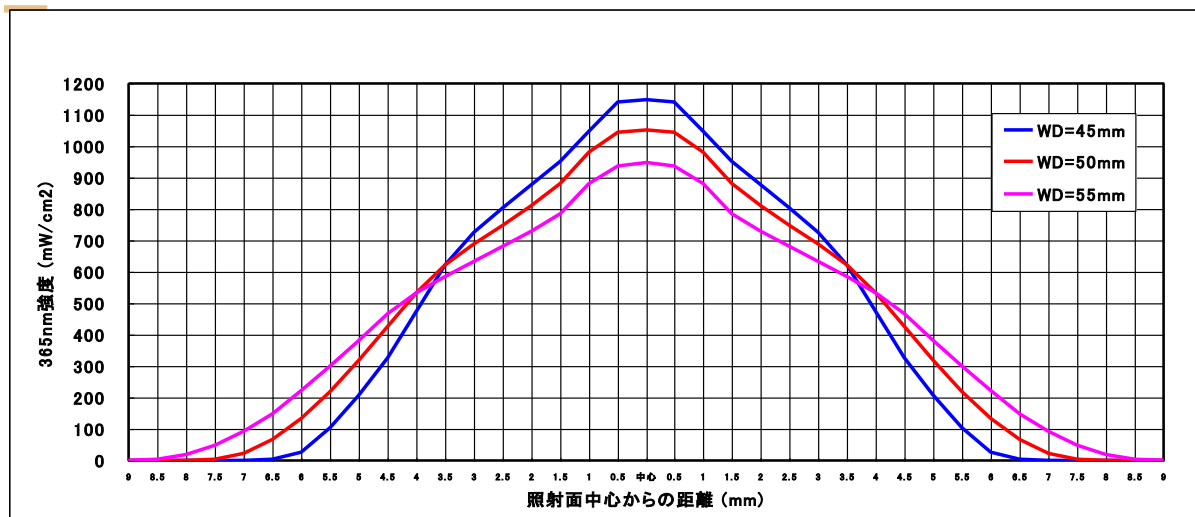


UV CURING SYSTEM AT RUVIX

- φ5 1branch light guide NRS-25P spread lens data



- φ5 1branch light guide NRS-30P spread lens data



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UV CURING SYSTEM AT RUVIX

PRODUCT

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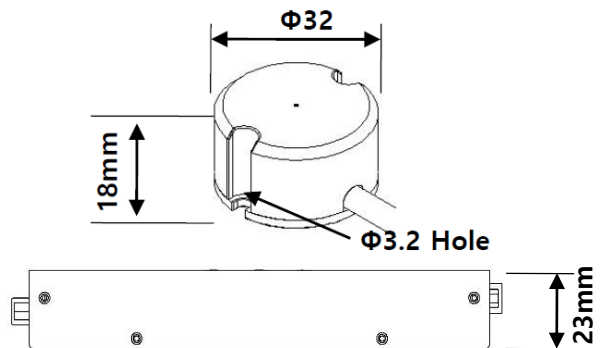
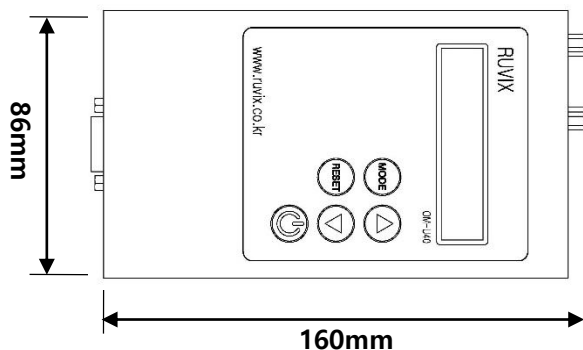
- RUVIX Intensity Meter OM-U40

OM-U40



- Full Digital control
- 10~14,999 mW/cm² UV intensity
- 10~999,999 mJ/cm² UV radiation
- RS-232 protocol
(In real time, mW/cm² , PmW/cm², mj/cm²)
- RS-485 protocol
(In real time, mW/cm² , PmW/cm², mj/cm²)
- Display Sensor temperature
- Use battery or DC power
- Customized UV Sensor &
Robot(operating type) Cable

| Specification | Description |
|----------------------|------------------------------------|
| Wavelength | 365nm, 385nm, 405nm (option) |
| Peak Wavelength | 365nm/385nm/405nm |
| UV intensity range | 10~14,999 mW/cm ² (±5%) |
| UV radiation range | 10~999,999mJ/cm ² (±5%) |
| Temperature | 0~60°C (no condensation) |
| Protocol | RS-232 , RS-485 |
| Weight | 300g |
| Size | 160(W) X 86(D) X 23(H) |
| Sensor Cable | 1M, 2M(Option) |
| Power (adapter only) | 8.4Vdc 1.5A |



PRODUCT BY RUVIX UV CURE CONTROLLER



UV CURING SYSTEM AT RUVIX

- RUVIX Intensity Meter RO-U41FA

RO-U41 FA



- Full Digital control
- 10~14,999 mW/cm² UV intensity
- 10~999,999 mJ/cm² UV radiation
- RS-232 protocol
(In real time, mW/cm², PmW/cm², mj/cm²)
- RS-485 protocol
(In real time mW/cm², PmW/cm², mj/cm²)
- Display the Sensor temperature
- DC 24V power (able to apply automatic system)
- Customized UV Sensor & Robot(operating type) Cable

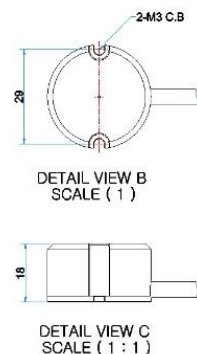
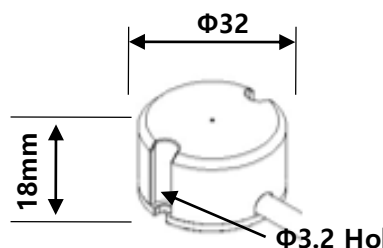
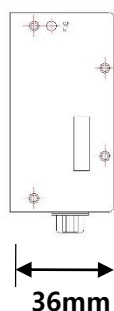
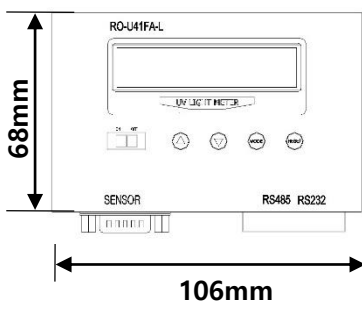
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Specification

Description

| Specification | Description |
|--------------------|------------------------------------|
| Wavelength | 365nm, 385nm, 405nm (option) |
| Peak Wavelength | 365nm/385nm/405nm |
| UV intensity range | 10~14,999 mW/cm ² (±5%) |
| UV radiation range | 10~999,999mJ/cm ² (±5%) |
| Temperature | 0~60°C (no condensation) |
| Protocol | RS-232 , RS-485 |
| Weight | 250g |
| Size | 106(W) X 68(D) X 36(H) |
| Sensor Cable | 1M, 2M(Optional) |
| Power | DC 24V |



PRODUCT BY
RUVIX UV CURE CONTROLLER

UV CURING SYSTEM AT RUVIX

NRU-7

RUVIX UV Cure
Controller

M A D E I N J A P A N



www.ruvix.co.kr