HOYA

NEW LED식 UV조사기

UV LIGHT TECHNOLOGY

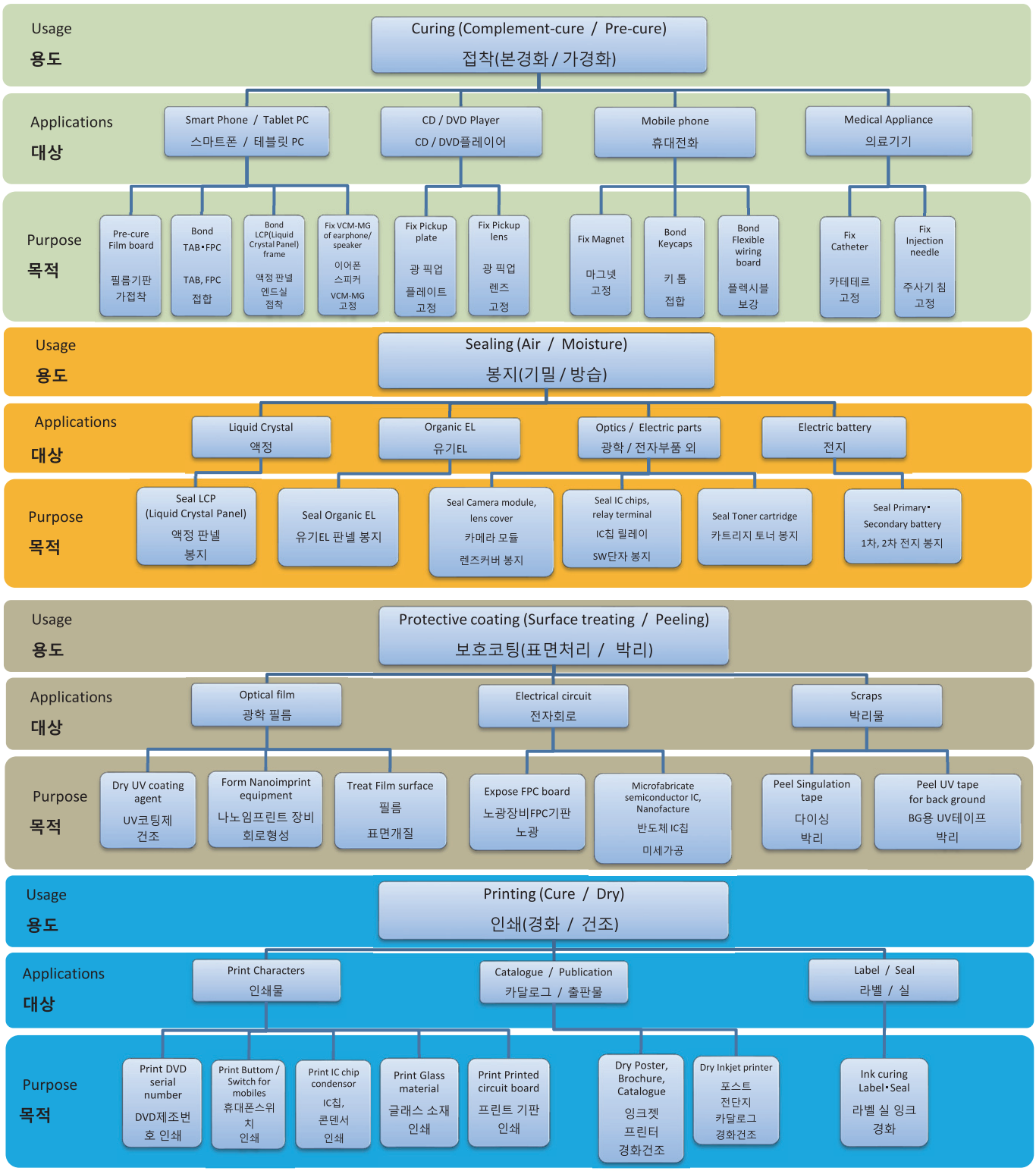
다양한 제품구성

신뢰의 광학설계로 고성능 UV조사 실현

고객의 요구에 신속하게 대응합니다.

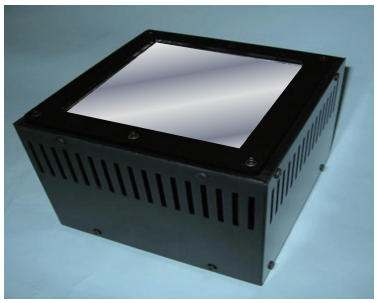
http://www.hoyacandeo.co.jp

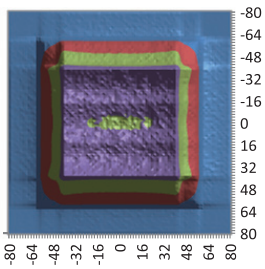
Examples of UV curing
UV조사기 사용예



Area Type

H-20AH4①



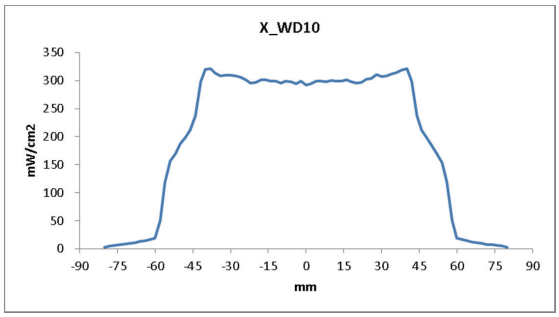


Features

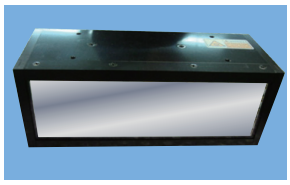
- UV-LED of the area type "a wide range of irradiation"is possible.
- A simple construction system "air system" that can be.
- In the area it is "high-power irradiation" or "uniform irradiation" is possible.
- From the equation by replacing existing lamps, and achieve "power saving" and "low cost of ownership."

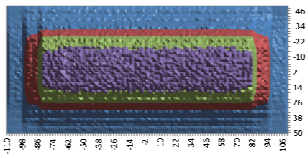
- [광범위조사]가 가능한 면적형의 UV-LED.
- 심플한 구성이 가능한 [공냉방식].
- 조사면의 [균일조사]나 [고출력조사]가 가능.
- 기존 램프식를 교체하여 [저전력]이나 [저유지비]를 실현.

Irradiation area (mm)	□80mm
UV intensity(mW/cm2)	300mW/cm2 @WD10mm
Cooling method	Forced Air Cooling
Power controller unit (Power consumption)	H-20VC (400W)
Physical Dimensions(mm)	142(W)×145(D)×108(H)mm

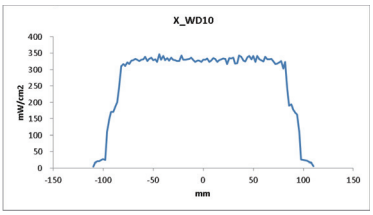


H-20AH4②

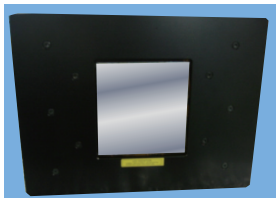


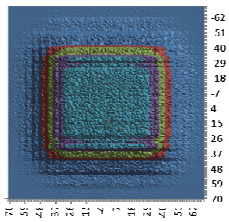


160mm×40mm
320mW/cm2 @WD10mm
Water Cooling
H-20VC (400W)
200(W)×80(D)×80(H)mm

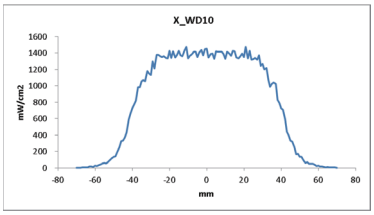


H-50AH4

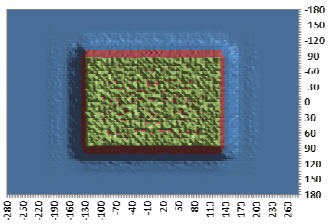




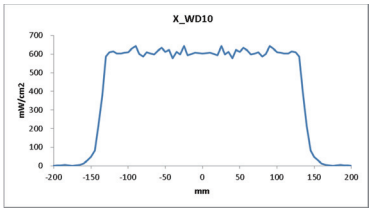
□50mm
1300mW/cm2 @WD10mm
Water Cooling
H-50VC (1330W)
200(W)×170(D)×70(H)mm



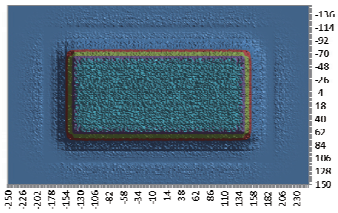
H-200AH4



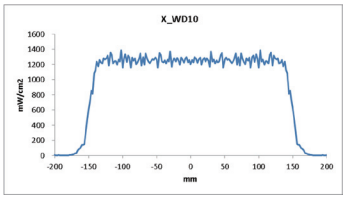
230×150mm
600mW/cm2 @WD10mm
Forced Air Cooling
H-100VC ×2 (4.0kW)
410(W)×310(D)×193(H)mm



H-300AH4



250×100mm
1200mW/cm2 @WD10mm
Water Cooling
H-300VC (6.0kW)
400(W)×300(D)×160(H)mm

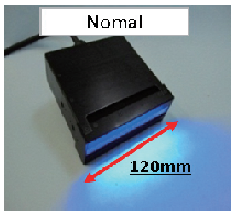


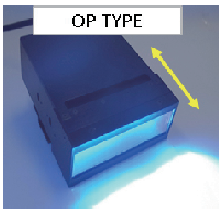
※The above data are typical values, there is no guaranteed value.
※상기의 데이터는 표준적 수치로 보증 수치는 아닙니다.

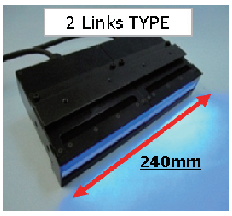
※ UV LED has an output wavelength of product Lineup "365nm ~ 420nm".
※ UV LED는 [365nm~420nm]의 출력파장으로 제품을 구성하고 있습니다.

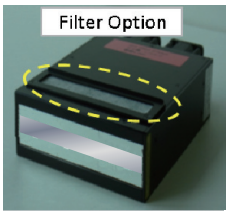
Line Type

H-12LH4







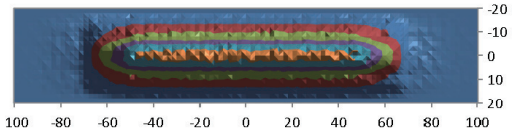


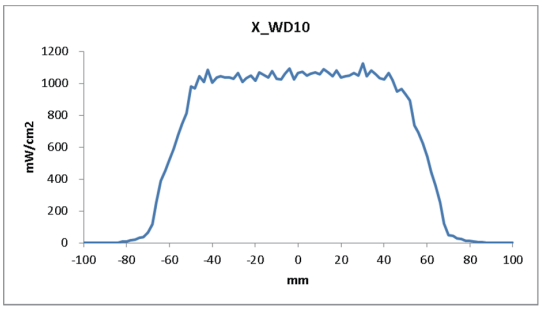
Features

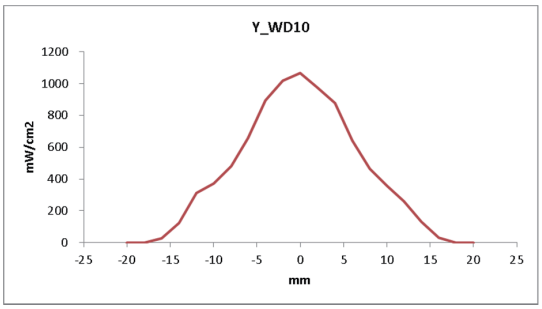
- UV-LED of the line type "long irradiation"is possible.
- A simple construction system "air system" that can be.
- "Extended range" irradiation by X-direction can be consolidated.
- For the high-strength "Mounting the condenser lens" is possible.

- [장축조사]가능한 선형UV-LED.
- 심플한 시스템 구축이 가능한 [공냉방식]
- 연결하여 X방향의 [조사범위연장]이 가능.
- 더욱 고강도로 사용하기위한 [집광렌즈장착]가능.

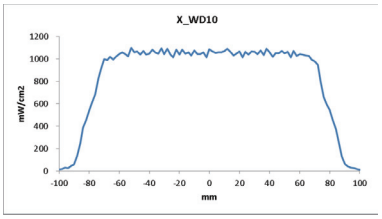
Irradiation area (mm)	100mm
UV intensity(mW/cm2)	1000mW/cm2 @WD10mm
Cooling method	Forced Air Cooling
Power controller unit (Power consumption)	H-16VC (600W) / H-16VC Ⅱ-C
Physical Dimensions(mm)	125(W)×40(D)×178(H)mm



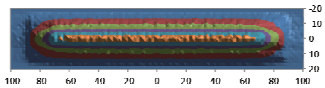


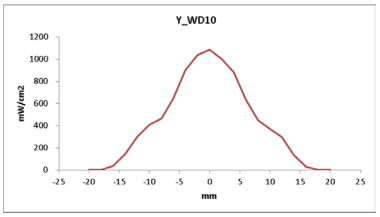


H-16LH4

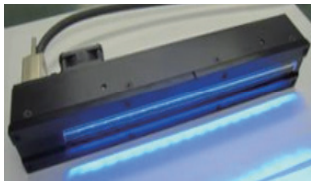


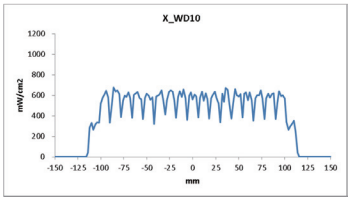
140mm
1000mW/cm2 @WD10mm
Forced Air Cooling
H-16VC (600W) /H-16VC Ⅱ-C
165(W)×40(D)×178(H)mm



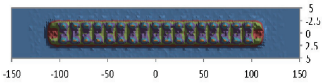


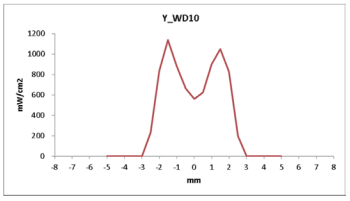
H-18LH



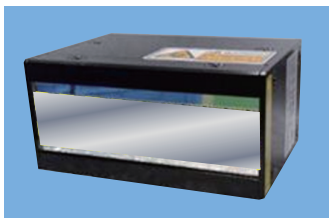


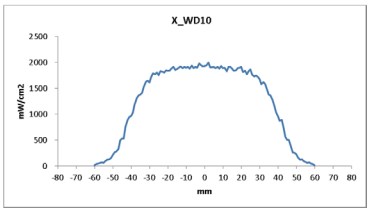
170mm
500mW/cm2 @WD10mm
Forced Air Cooling
H-18VC (400W)
270(W)×45(D)×40(H)mm



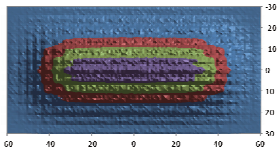


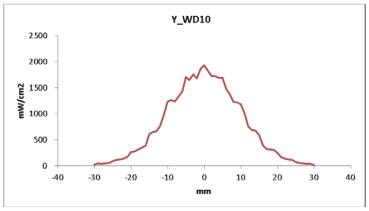
H-20WLH4



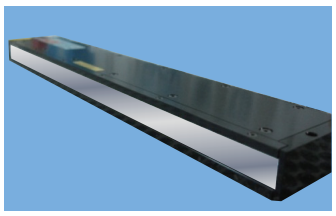


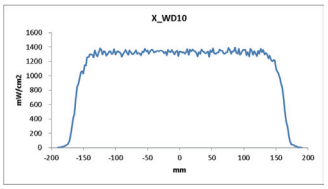
70mm
1700mW/cm2 @WD10mm
Water Cooling
H-20VC (400W)
86(W)×60(D)×40(H)mm



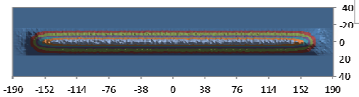


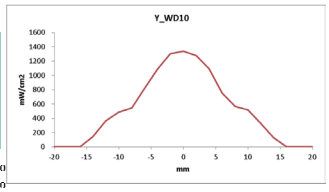
H-40LH4





280mm×6mm
1300mW/cm2 @WD10mm
Water Cooling
H-40VC (650W)
336(W)×20(D)×60(H)mm





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Spot Type

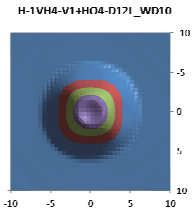
H-1VH4 + HO4-D12L / H-1VH4 + YA4-G1

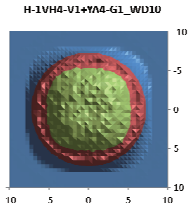
Features

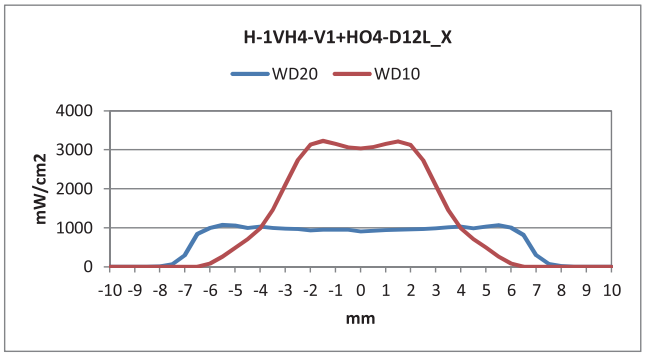
- UV-LED irradiation of the "high-intensity spot" and "Horizontal spot" and "Wide Area" are possible.
- A simple system can be built "forced air cooling system (internal fan)."
- The controller can be controlled and compact "H-1VC Ⅱ".

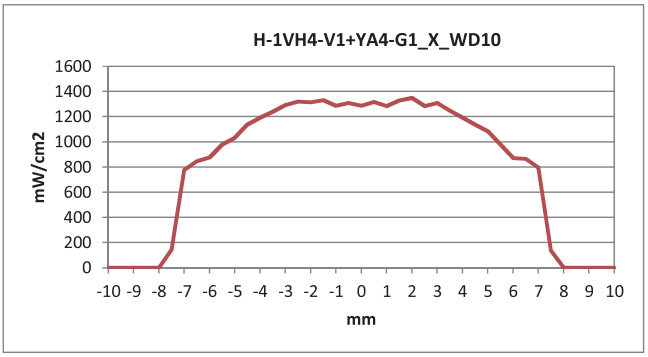
- [고강도 스팟], [횡장 스팟], [대면적]이 조사가능한 UV-LED.
- 심플한 시스템 구축이 가능한 [강제공냉식(팬내장)].
- 콘트롤은 컴팩트한 [H-1VCⅡ]로 제어가능.

Model number	H-1VH4-V1 + HO4-D12L	H-1VH4-V1 + YA4-G1
Irradiation area (mm)	φ12mm	φ16mm
UV intensity(W/cm2)	3000mW/cm2 @WD20mm	1200mW/cm2 @WD20mm
Cooling method	Forced Air Cooling	
Power controller unit	H-1VCⅡ (DC24V)	
Physical Dimensions(mm)	84.1(H)mm × φ14mm	60(H)mm × □35mm

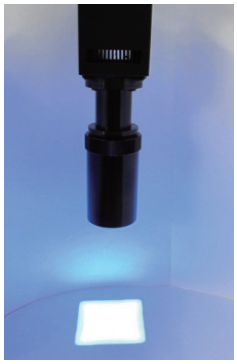


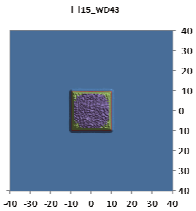


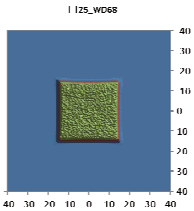


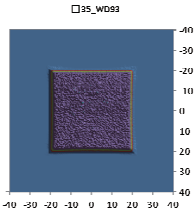


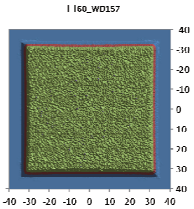
H-1VH4 + HDL-Q1



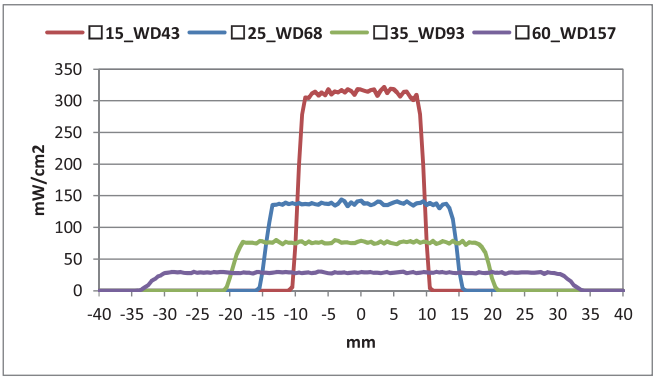






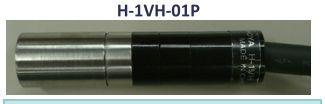


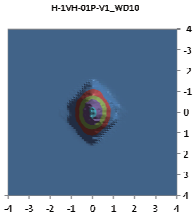
□15mm～60mm
25～300mW/cm2 @43～157mm
Forced Air Cooling
H-1VCⅡ (DC24V)
157.5(H)mm × φ30mm ※WD43mm



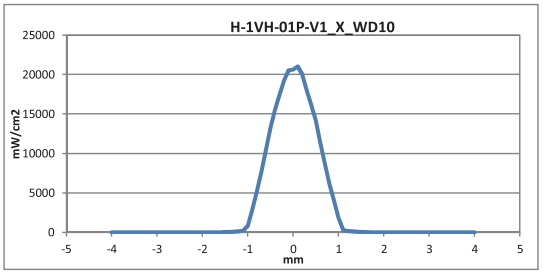
H-1VH-01P / H-1VH-04

H-1VH-01P

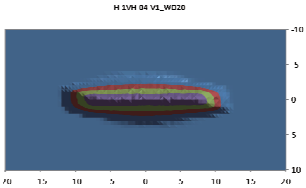




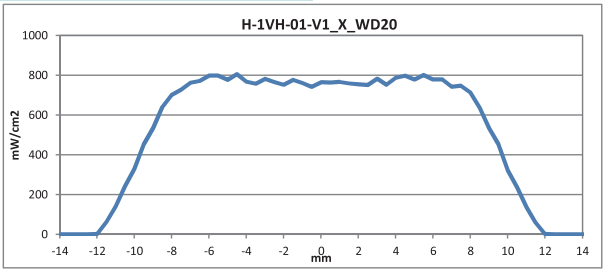
φ1.5mm
20000mW/cm2 @WD10mm
Air Cooling
H-1VCⅡ (DC24V)
60.4(H)mm × φ12mm



H-1VH-04



14mm × 3mm
750mW/cm2 @WD20mm
Air Cooling
H-1VCⅡ (DC24V)
49.4(H)mm × φ12mm

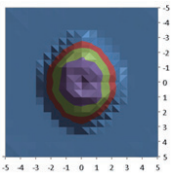


※The above data are typical values, there is no guaranteed value.
※상기의 데이터는 표준적 수치로 보증 수치는 아닙니다.

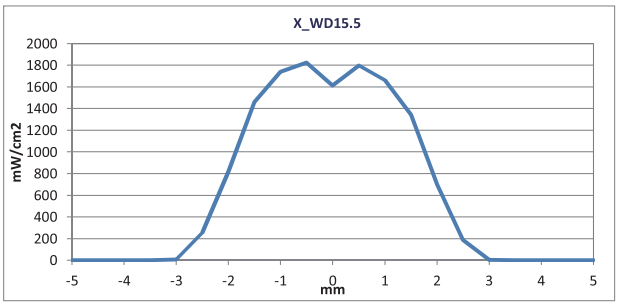
※ UV LED has an output wavelength of product Lineup "365nm ～ 420nm".
※ UV LED는 [365nm～420nm]의 출력파장으로 제품을 구성하고 있습니다.

Lens Unit

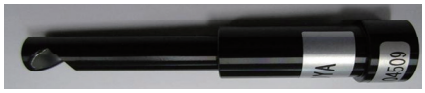
HDL-D6D9L40

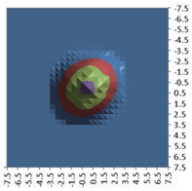


Irradiation area (mm)	ϕ5mm
UV intensity(mW/cm2)	1600mW/cm2 @WD15.5mm
Cooling method	(Lens Only)
Physical Dimensions(mm)	68.5mm(H)×ϕ6mm

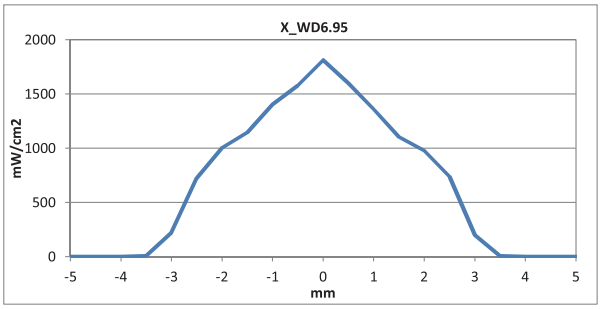


HDL-D7LM90



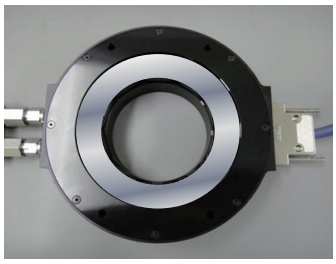


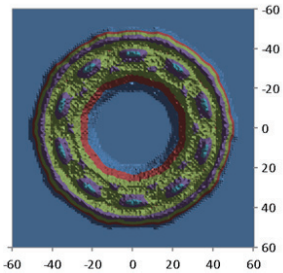
Irradiation area (mm)	ϕ4mm
UV intensity(mW/cm2)	1600mW/cm2 @WD6.95mm
Cooling method	(Lens Only)
Physical Dimensions(mm)	54.5(H)mm×ϕ7mm



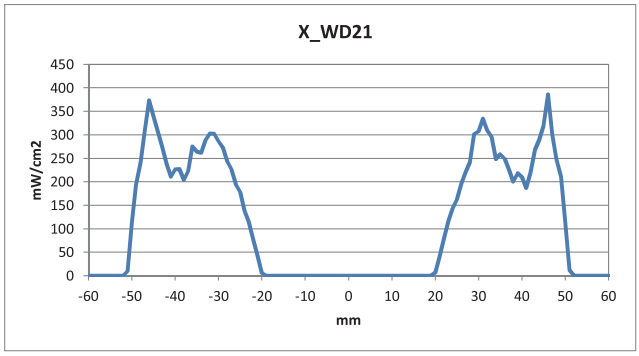
Special Type

H-10RH4

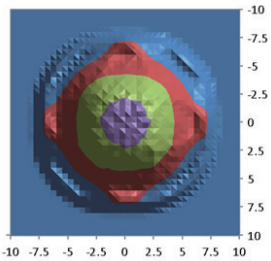




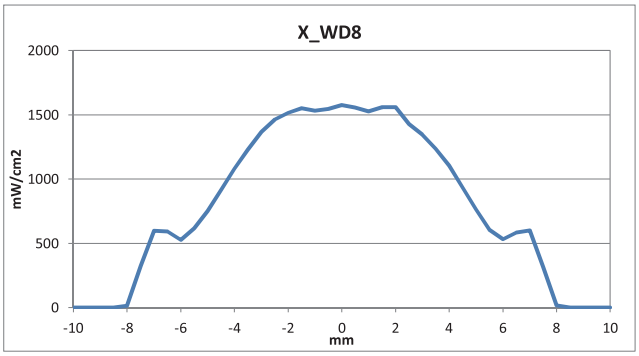
ϕ65mm～85mm
200mW/cm2 @WD21mm
Water Cooling
H-10VC (200W)
50(H)mm×ϕ180mm



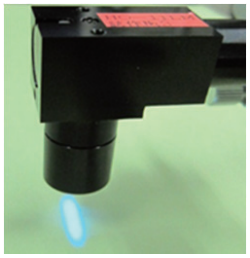
H-1AH4

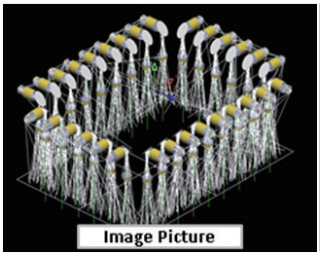


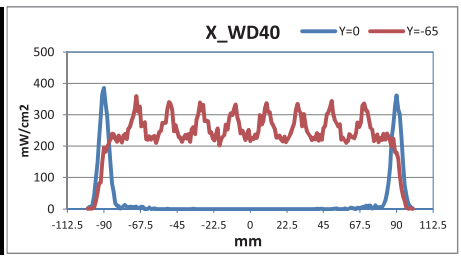
8mm×8mm
1300mW/cm2 @WD8mm
Water Cooling
H-1VCⅡ (DC24V)
20(W)×22(D)×100(H)×7.7(t)mm

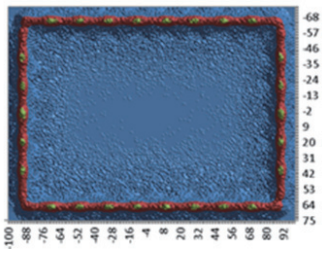


HO-11LM (30 Links)









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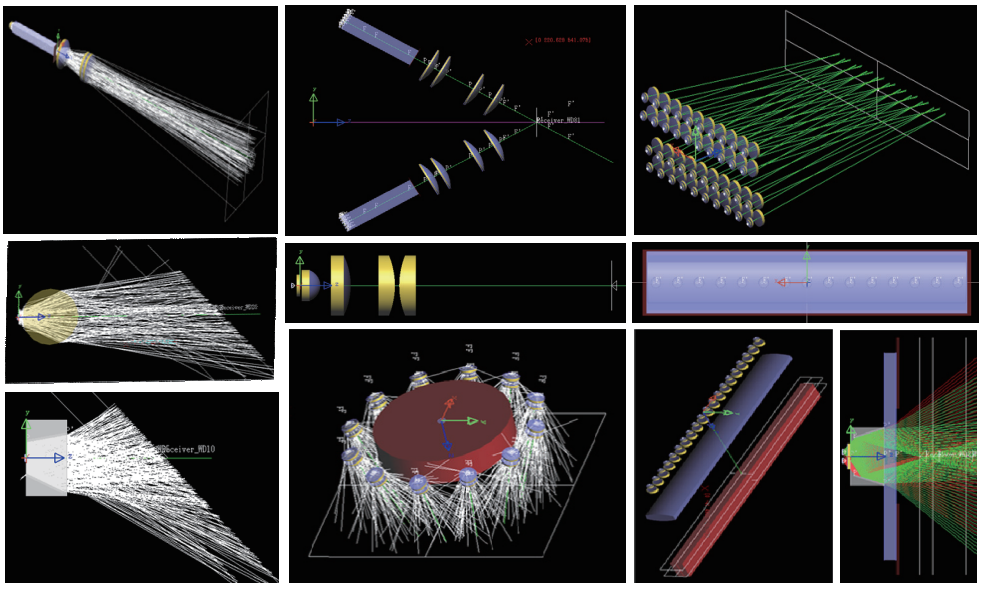
Simulation Example

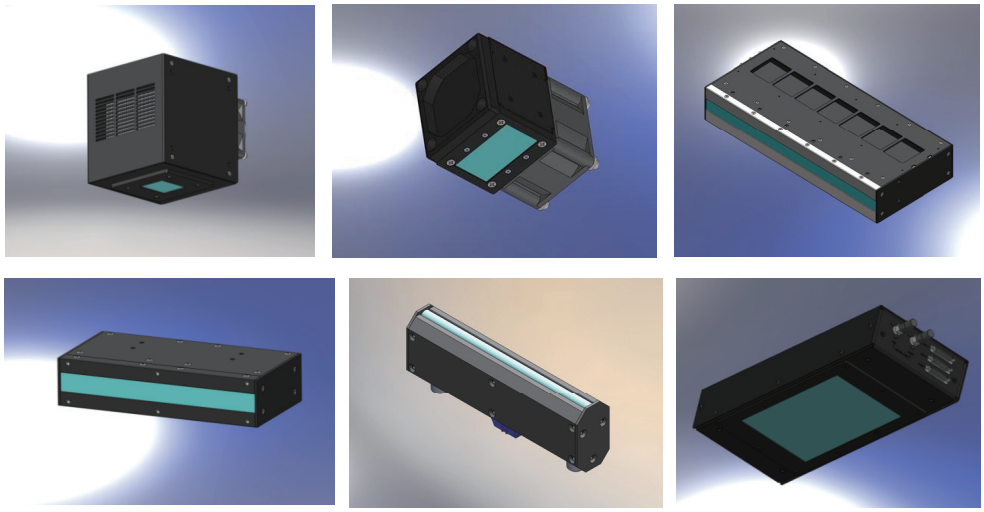


~ Feature ~

- Optical technology and proprietary know-how accumulated over many years,we will deliver the products of trust.
- Contact us for products, such as custom, we offer the best and fast. Please do not hesitate to contact us.

~ 특징 ~

- 호야의 독자적인 노하우와 장기간 축적된 광학기술로 신뢰성있는 제품을 제공합니다.
- 특주품에 대해서도 최적의 제품을 신속하게 제안드리고 있습니다. 문의하여 주시기 바랍니다.



UV LIGHT SOURCE　EXECURE ® 4000

Features

- Flexible Layout-Vertically or Horizontally.
- Large reduction in apparent power. Compatible with world voltages.
- More Convenience. Easy Filter Setting.
- Manufacture a wide variety of light guides such as "hyperbranched" and "High Power" and "high-strength" and "special shape" are possible.

- 가로 세로 자유자재의 레이아웃.
- 전기용량을 대폭 삭감. 프리볼트 대응.
- 한층 용이한 필터장착.
- [다분기], [고강도], [특수형상]등의 다양한 라이트 가이드의 제작이 가능.

UV LIGHT SOURCE　UL750

Features

- Balanced high power and long life.
- Supports light guides and direct irradiation lens units.
- Manufacture a wide variety of light guides such as "hyperbranched" and "High Power" and "high-strength" and "special shape" are possible.

- 고출력, 장수명를 동시 실현.
- 라이트 가이드와 직사 렌즈 유닛으로 대응.
- [다분기], [고강도], [특수형상]등의 다양한 라이트 가이드의 제작이 가능.

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Headquarters/Toda Factory are
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