

◎CYL12ADJ 시리즈

『Picture or 3D』



『Features』

- ◆ Optical output power : Max. ~ 20mW
- ◆ Output power stability Max. < ±10 %
- ◆ 포커싱 가능 형태
- ◆ 다양한 빔형태 : Dot, Line, Cross, Circle, Multi-line, Multi-grid etc
- ◆ Options
 - Glass collimate lens : 요구되는 빔 사양에 따라 차등 적용

『Optical / Electrical features』

- *1. **Diffractive Line/Cross** : Line 20, 30, 40, 50, 90, 120 Deg. 와 Cross 50 Deg. Fan angle. 측정거리는 500mm 거리. (1m 이내에서 사용 추천)
*2. **DOE pattern** : Cross 15 Deg., Circle, Multi-line, Multi-grid etc. 측정거리는 500mm 거리.(3m 이내에서 사용 추천)

Items		Features			
Wavelength		405 nm	445/450nm	520nm	635nm
Output Power		~10, ~30mW	~30mW, Multi ~30mW	~4, ~18mW	~10, ~20, Multi ~20mW
Output Power stability		< ± 5%	< ± 5%, Multi < ± 10%	< ± 5%	< ± 5%, Multi < ± 10%
Beam type & size(thickness) at 3m ■ Optional	Dot (Divergence)	∅1, ∅2, 3×2 (< 0.1 mrad)	∅1, ∅2 (<0.1mrad) Multi 2×1, 5×2 (< 2 mrad)	∅1, ∅2, 2×1 (< 0.1 mrad)	∅2 (<0.1mrad) Multi 2×1, 5×2 (< 2 mrad)
	*1 Diffractive Line/Cross	> 0.5 mm	> 0.5 mm, > 3 mm	> 1 mm	> 0.5 mm, Multi > 3 mm
	*2 DOE pattern	> 0.5 mm	> 0.5mm, > 3 mm	> 1 mm	> 0.5 mm, Multi > 3 mm
Focused beam size[mm] at 300mm		Dot >0.05, thickness >0.02	Dot >0.05, thickness >0.02 Multi Dot >0.3, thickness >0.07	Dot >0.05, thickness >0.02	Dot >0.02, thickness >0.01 Multi Dot >1, thickness >1
Mode		TEM00	TEM00, Multi-mode	TEM00	TEM00, Multi-mode
Input voltage		3 ~ 5 V			
Consumption current		Max. 100 mA	Max. 100 mA	Max. 100 mA	
Laser Diode type		P or N-type or other			
Dimension		∅12 × 45 L			
Outside Material		Aluminum anodizing			
Lifetime at room temp.		20,000 hours			
Operating Temperature		-10 ~ 40 °C			
Storage Temperature		-30 ~ 80 °C			
Options		빔 사양			
Remarks		*설치시에 방열구조 필요 *과도한 충격을 금해주시고, 강한 모터나 전자기파 주변에 설치하는 것을 피해주시시오.			

Items		Features			
Wavelength		655nm	660nm	670nm	685nm
Output Power		~8mW	~25mW	~18mW	~7, ~25mW
Output Power stability		< ± 5%	< ± 5%	< ± 1%	< ± 1%
Beam type & size(thickness) at 3m ■ Optional	Dot (Divergence)	∅2, 5x2 (<0.1mrad)	∅2, ∅3 (< 0.1 mrad)	∅1, ∅2, 2x1 (< 0.1 mrad)	∅1.5, ∅2 (< 0.1 mrad)
	*1 Diffractive Line/Cross	> 0.5 mm	> 0.5 mm	> 0.5 mm	> 0.5 mm
	*2 DOE pattern	> 0.5 mm	> 0.5 mm	> 0.5 mm	> 0.5 mm
Focused beam size[mm] at 300mm		Dot >0.02, thickness >0.01	Dot >0.04, thickness >0.01	Dot >0.02, thickness >0.01	Dot >0.04, thickness >0.01
Mode		TEM00	TEM00	TEM00	TEM00
Input voltage		3 ~ 5 V			
Consumption current		Max. 50 mA	Max. 60 mA	Max. 60 mA	Max. 70 mA
Laser Diode type		P or N-type or other			
Dimension		∅12 × 45 L			
Outside Material		Aluminum anodizing			
Lifetime at room temp.		20,000 hours			
Operating Temperature		-10 ~ 40 °C			
Storage Temperature		-30 ~ 80 °C			
Options		빔 사양			
Remarks		*설치시에 방열구조 필요 *과도한 충격을 금해주시고, 강한 모터나 전자기파 주변에 설치하는 것을 피해주시시오.			

『Optical / Electrical features』

Items		Features			
Wavelength		785nm	808nm	830nm	850nm
Output Power		~10, ~30mW	~30mW, Multi ~30mW	~25, Multi ~30mW	~25, Multi~30mW
Output Power stability		< ± 1%	< ± 5%, Multi < ± 5%	< ± 5%	< ± 5%, Multi <± 5%
Beam type & size(thickness) at 3m ■ Optional	Dot (Divergence)	∅1, ∅2, 3x2 (< 0.1 mrad)	∅2 (<0.1mrad) Multi 2x1, 5x2 (< 2 mrad)	∅2 (<0.1mrad) Multi 2x1, 5x2 (< 2 mrad)	∅2 (<0.1mrad) Multi 2x1, 5x2 (< 2 mrad)
	*1 Diffractive Line/Cross	> 0.5 mm	> 0.5 mm, Multi > 3 mm	> 0.5 mm, Multi > 3 mm	> 0.5 mm, Multi > 3 mm
	*2 DOE pattern	> 0.5 mm	> 0.5 mm, Multi > 3 mm	> 0.5 mm, Multi > 3 mm	> 0.5 mm, Multi > 3 mm
Focused beam size[mm] at 300mm		Dot >0.05, thickness >0.02	Dot >0.02, thickness >0.01 Multi Dot >1, thickness >1	Dot >0.02, thickness >0.01 Multi Dot >1, thickness >1	Dot >0.02, thickness >0.01 Multi Dot >1, thickness >1
Mode		TEM00	Multi-mode	TEM00	TEM00
Input voltage		3 ~ 5 V			
Consumption current		Max. 70 mA	Max. 70 mA	Max. 70 mA	Max. 70 mA
Laser Diode type		P or N-type or other			
Dimension		∅12 × 45 L			
Outside Material		Aluminum anodizing			
Lifetime at room temp.		20,000 hours			
Operating Temperature		-10 ~ 40 °C			
Storage Temperature		-30 ~ 80 °C			
Options		빔 사양			
Remarks		*설치시에 방열구조 필요 *과도한 충격을 금해주시고, 강한 모터나 전자기파 주변에 설치하는 것을 피해주시시오.			

『Optical / Electrical features』

Items		Features			
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Wavelength		905nm	980nm		
Output Power		~15mW	~30mW		
Output Power stability		< ± 1%	< ± 1%		
Beam type & size(thickness) at 3m ■ Optional	Dot (Divergence)	∅1, ∅2, 3×2 (< 0.1 mrad)	∅1, ∅2, 3×2 (< 0.1 mrad)		
	*1 Diffractive Line/Cross	> 0.5 mm	> 0.5 mm		
	*2 DCE pattern	> 0.5 mm	> 0.5 mm		
Focused beam size[mm] at 300mm		Dot >0.05, thickness >0.02	Dot >0.05, thickness >0.02		
Mode		TEM00	TEM00		
Input voltage		3 ~ 5 V			
Consumption current		Max. 60 mA	Max. 70 mA		
Laser Diode type		P or N-type or other			
Dimension		∅12 × 45 L			
Outside Material		Aluminum anodizing			
Lifetime at room temp.		20,000 hours			
Operating Temperature		-10 ~ 40 °C			
Storage Temperature		-30 ~ 80 °C			
Options		빔 사양			
Remarks		*설치시에 방열구조 필요 *과도한 충격을 금해주시고, 강한 모터나 전자기파 주변에 설치하는 것을 피해주시오.			