



ASAHI OPTICS LIMITED

8F Yueshang Chanye Building, No.1 of TangKeng LuKou Dong , GuanTian, Bao'Shi Dong Road,Shiyan,Bao'an,Shenzhen 518108, China. Tel:+86-755-85241681 Email: optics@asahi-optics.com www.asahi-optics.com

AW Series- Single LENS SPECIFICATION





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▲ LED type



3030

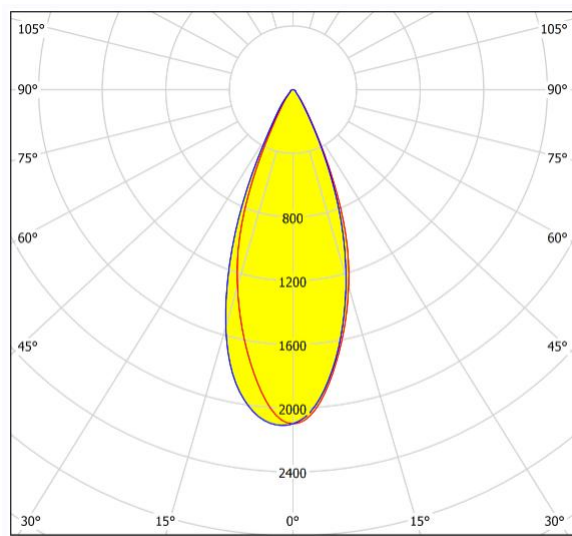
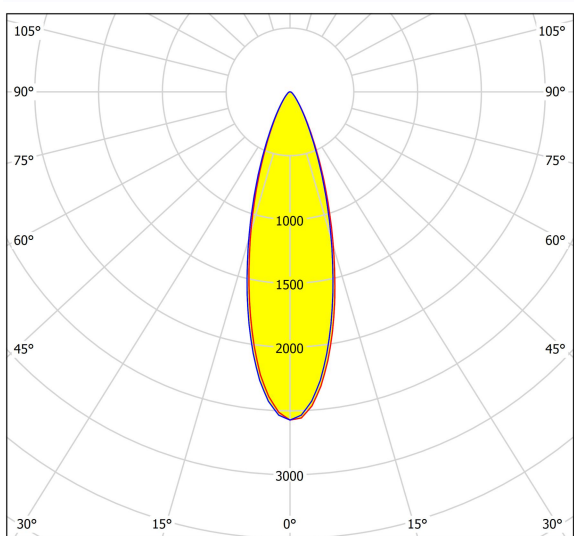
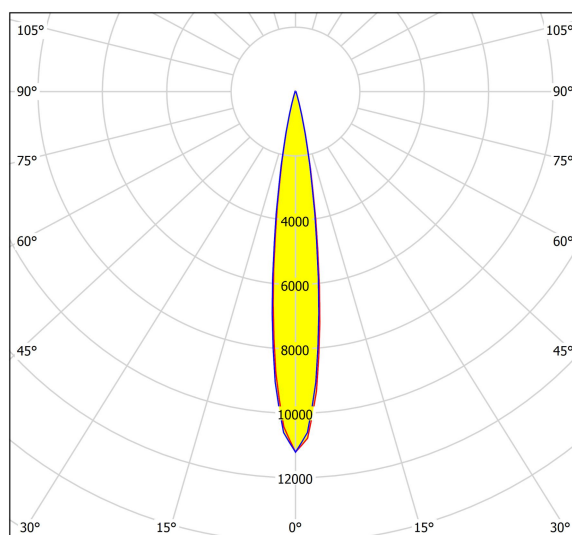
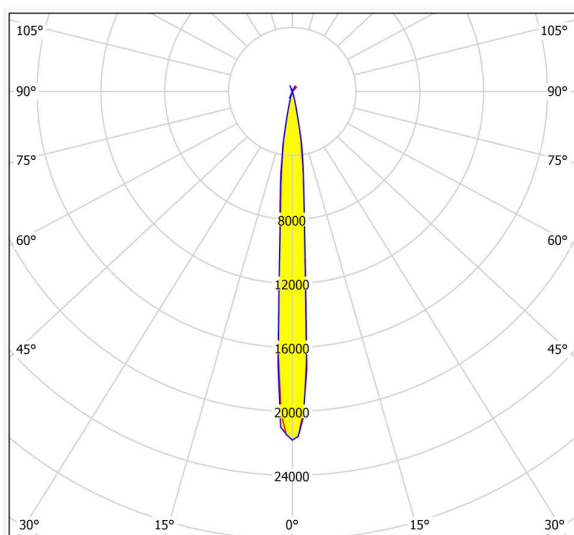


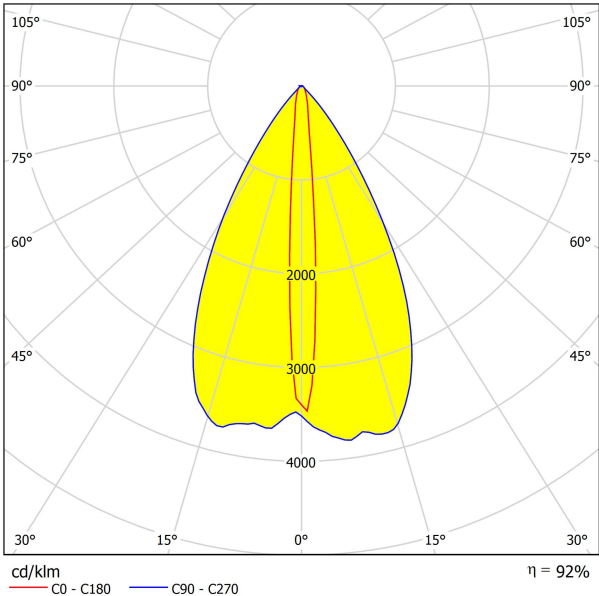
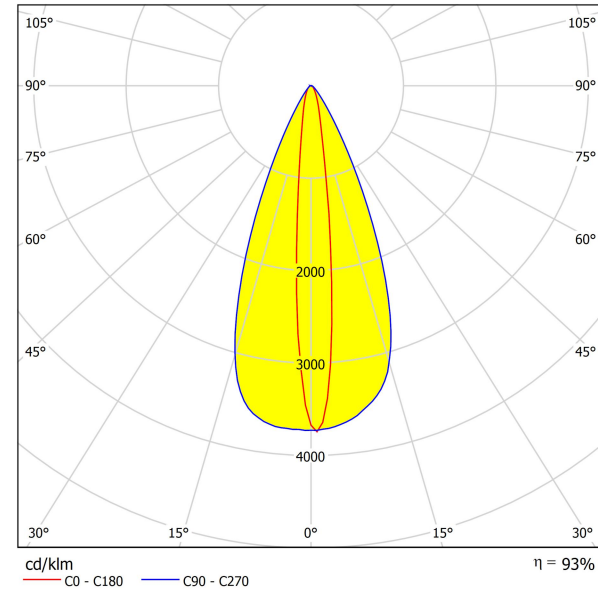
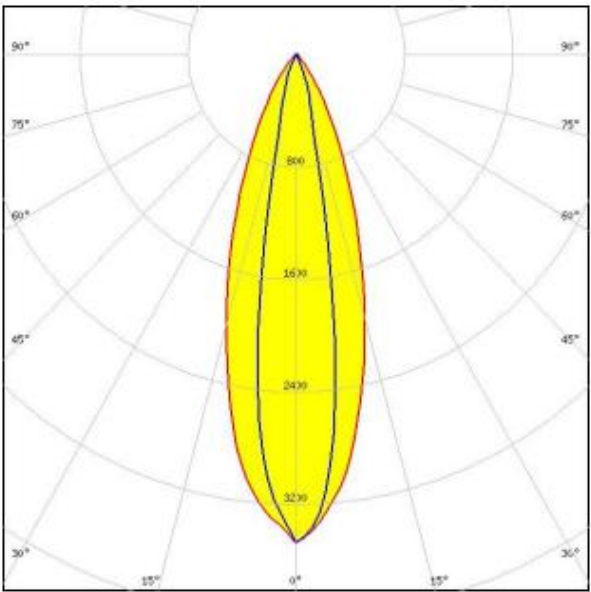
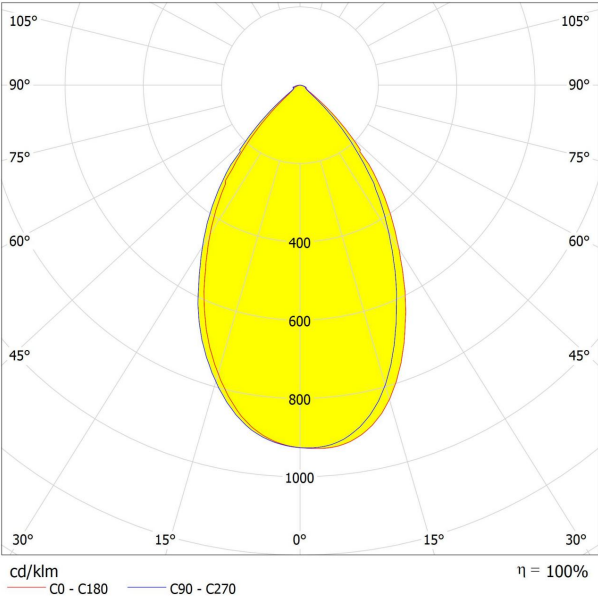
3535



5050

▲ AW Series- Single LENS Light Distribution







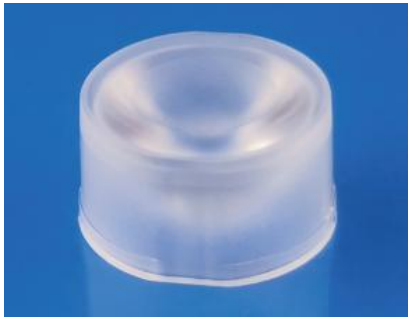
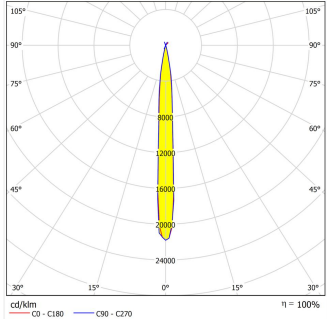
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▲ Lens Part Number

Part No.	Description	Beam angle	Dimension	Material	LED Type
AW22D12H10G	AW Series- Single lens	10°	Ø22.00mm	PMMA	3030/3535/5050
AW22D12H15G	AW Series- Single lens	15°	Ø22.00mm	PMMA	3030/3535/5050
AW22D12H30G	AW Series- Single lens	30°	Ø22.00mm	PMMA	3030/3535/5050
AW22D12H45G	AW Series- Single lens	45°	Ø22.00mm	PMMA	3030/3535/5050
AW22D12H60G	AW Series- Single lens	60°	Ø22.00mm	PMMA	3030/3535/5050
AW22D12H1530G	AW Series- Single lens	15x30°	Ø22.00mm	PMMA	3030/3535/5050
AW22D12H1545G	AW Series- Single lens	15x45°	Ø22.00mm	PMMA	3030/3535/5050
AW22D12H1560G	AW Series- Single lens	15x60°	Ø22.00mm	PMMA	3030/3535/5050

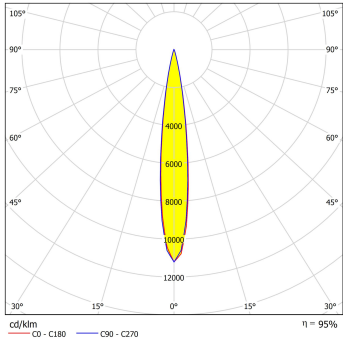
▲ Photometric data (Simulated)

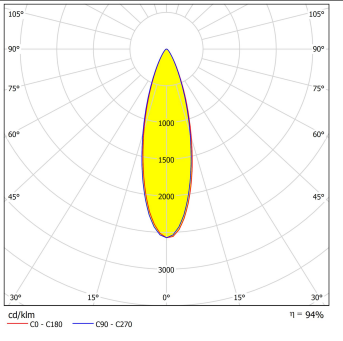
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AW22D12H10G		10°	

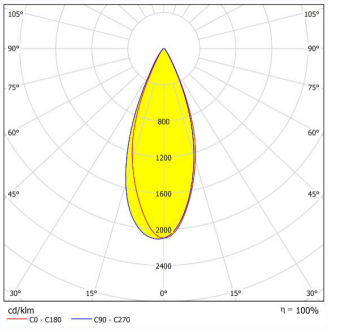


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Model No.	Picture	Beam Angle	Simulated IES
AW22D12H15G		15°	

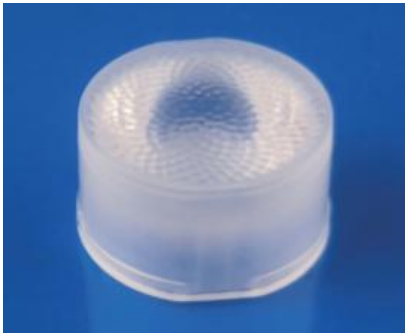
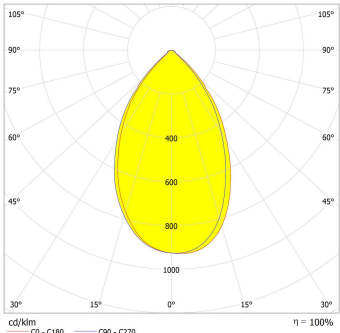
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AW22D12H30G		30°	

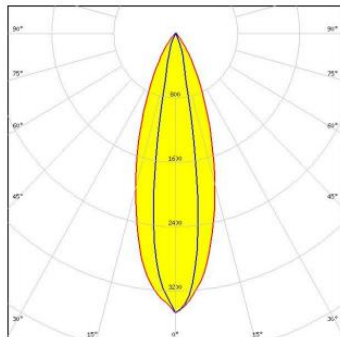
Model No.	Picture	Beam Angle	Simulated IES
AW22D12H45G		45°	

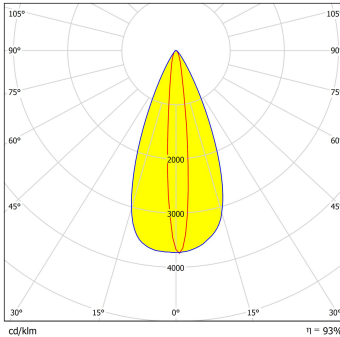


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Model No.	Picture	Beam Angle	Simulated IES
AW22D12H60G		60°	

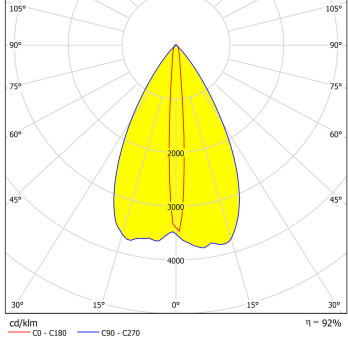
Model No.	Picture	Beam Angle	Simulated IES
AW22D12H1530G		15x30°	

Model No.	Picture	Beam Angle	Simulated IES
AW22D12H1545G		15x45°	



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Model No.	Picture	Beam Angle	Simulated IES
AW22D12H1560G		15x60°	



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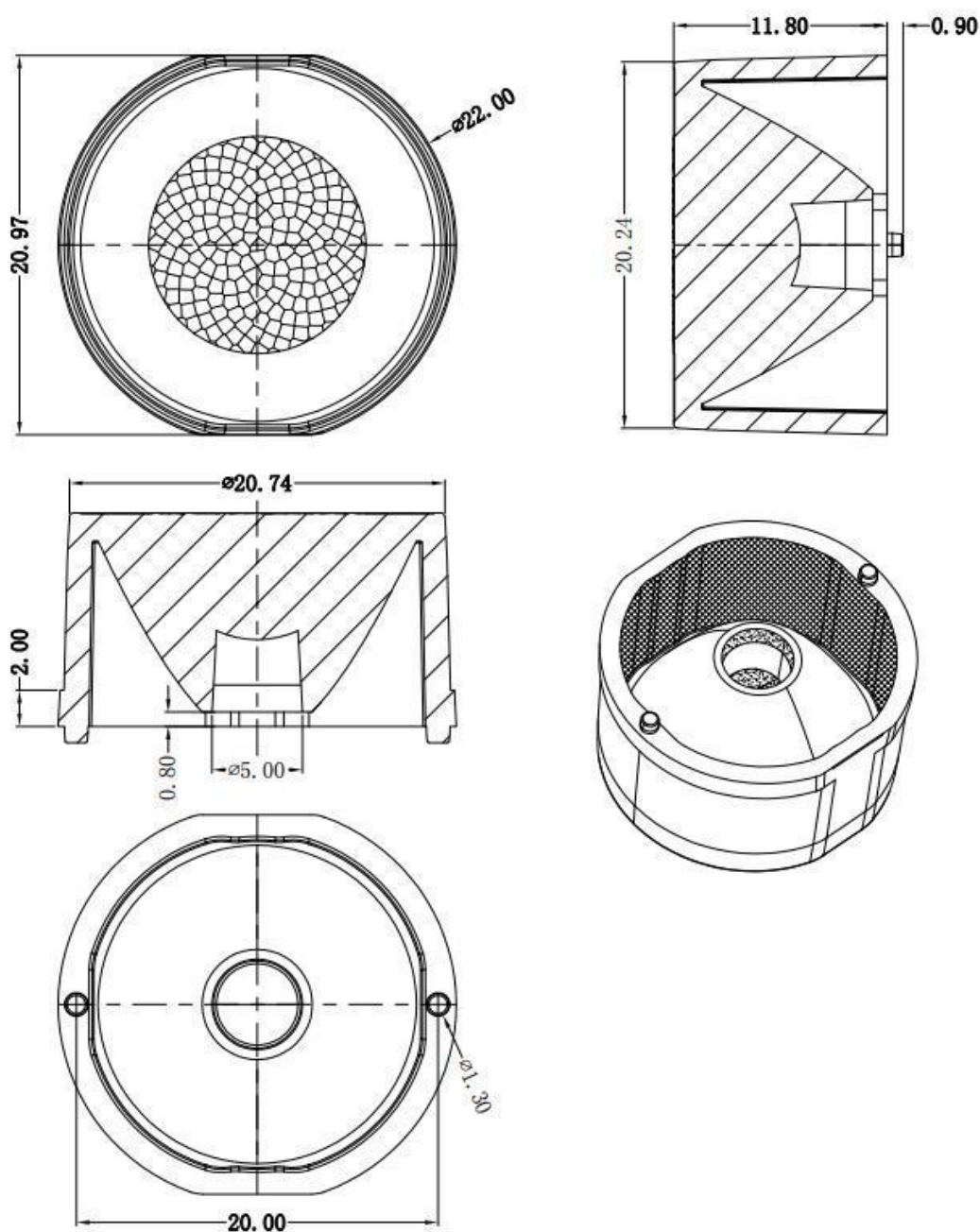
▲ 1. Mechanical Specification

● 1. Fixing Method

☒ Glue ☐ Screw ☐ Tape ☐ Fixing-ring ☐ Frame

▲ 2. Lens Dimension

● Model No.: AW22D12H10G

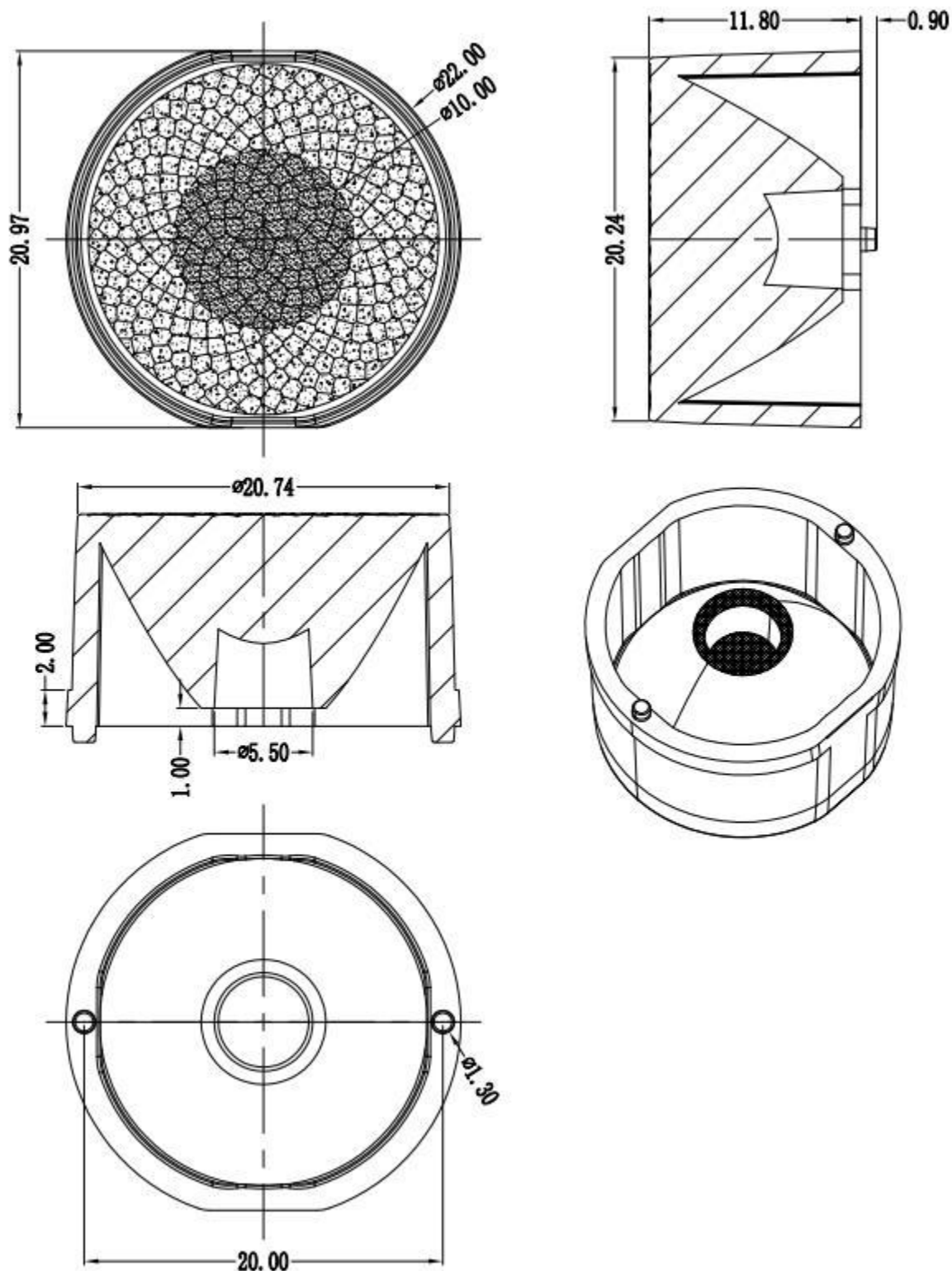




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● Model No.: AW22D12H15G

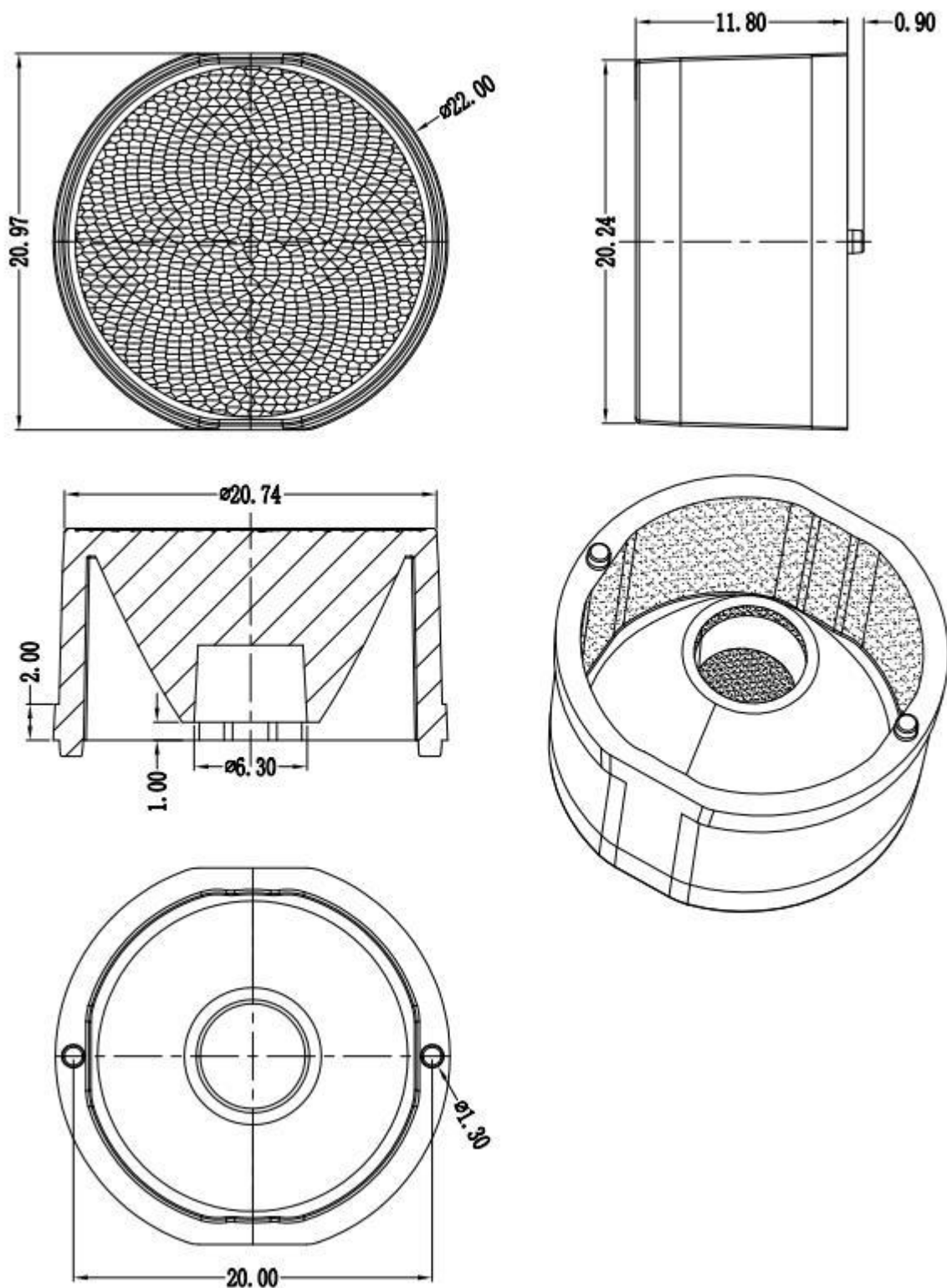




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● Model No.: AW22D12H30G

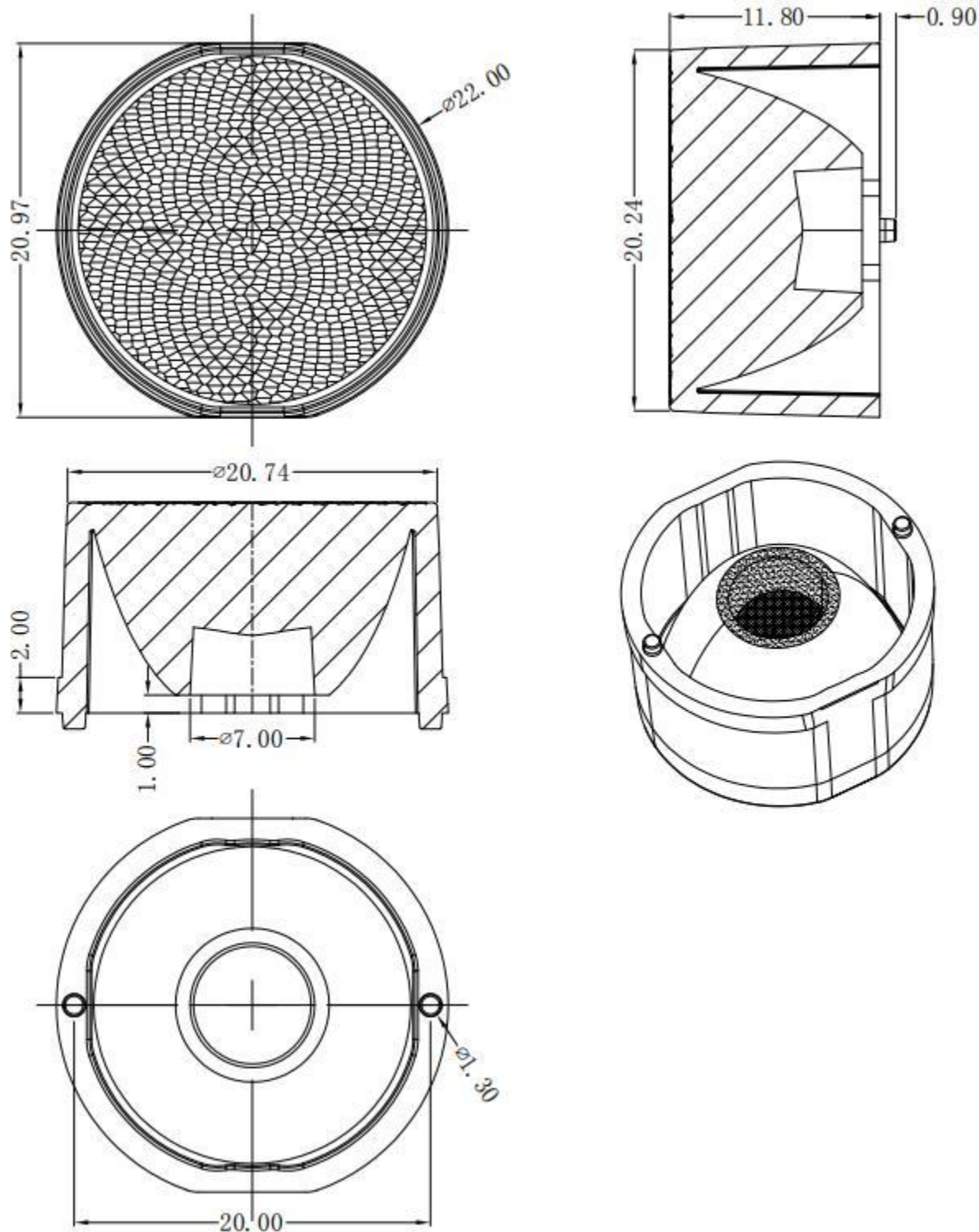




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● Model No.: AW22D12H45G

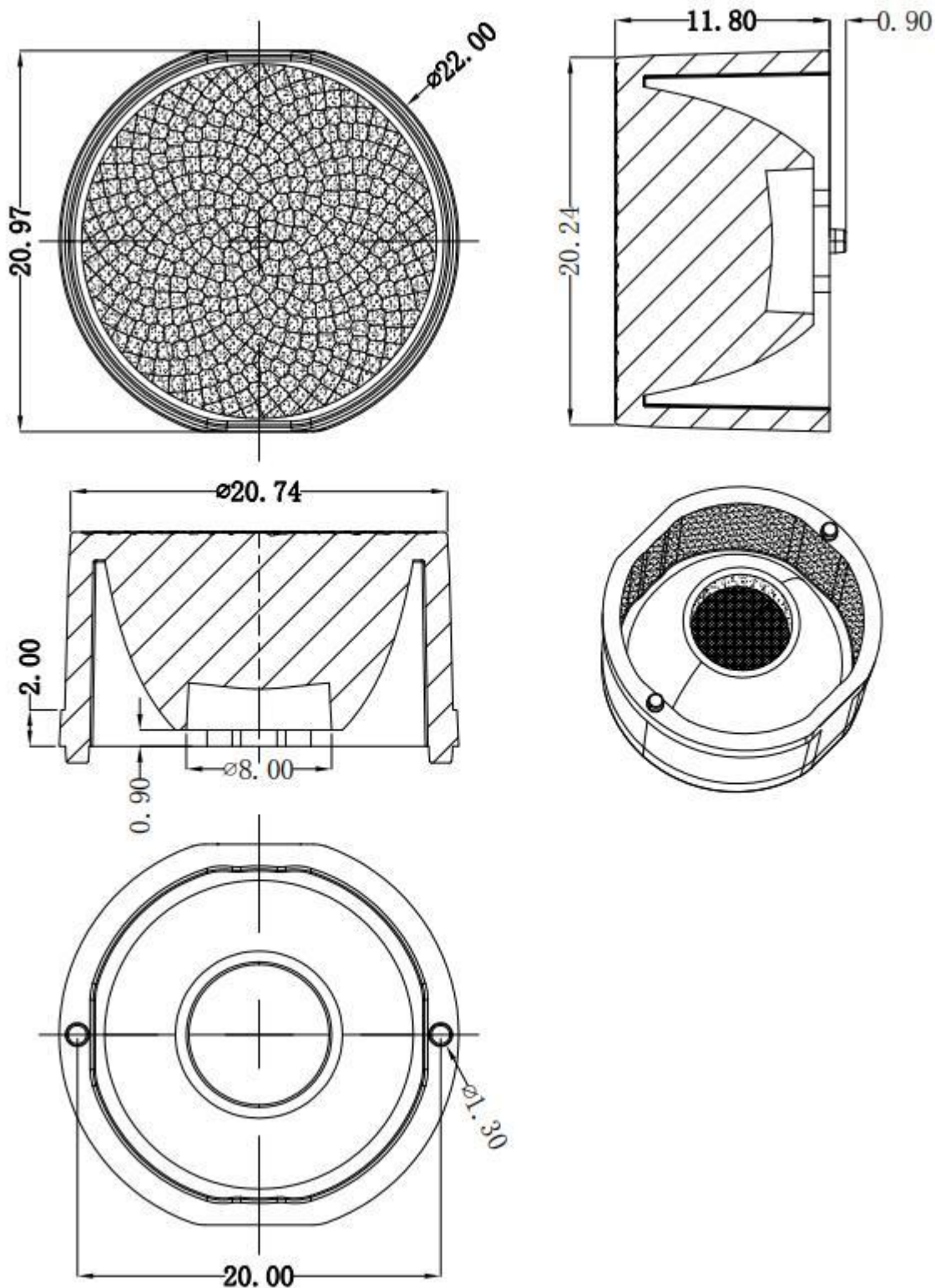




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● Model No.: AW22D12H60G

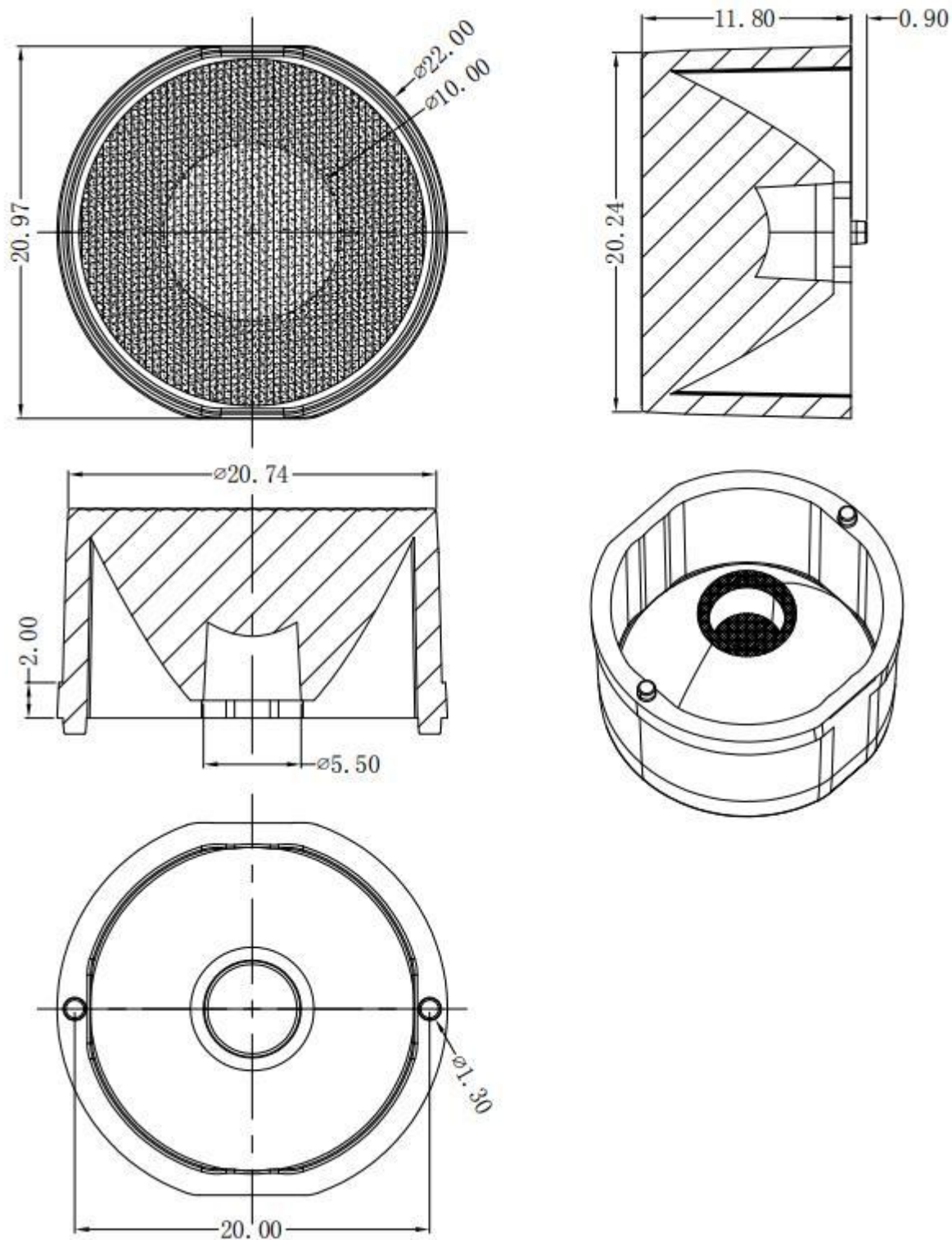




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● Model No.: AW22D12H1530G

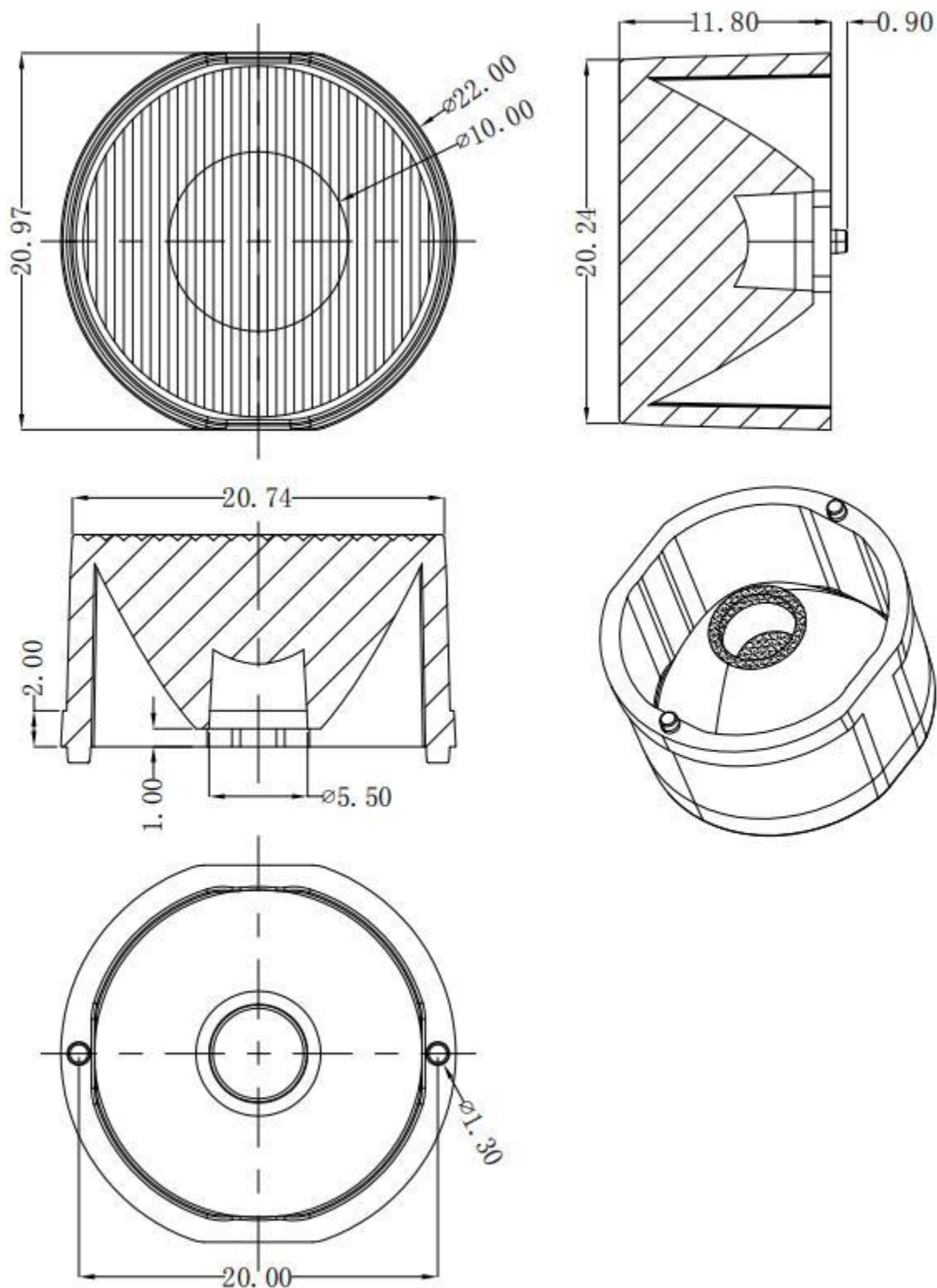




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● Model No.: AW22D12H1545G

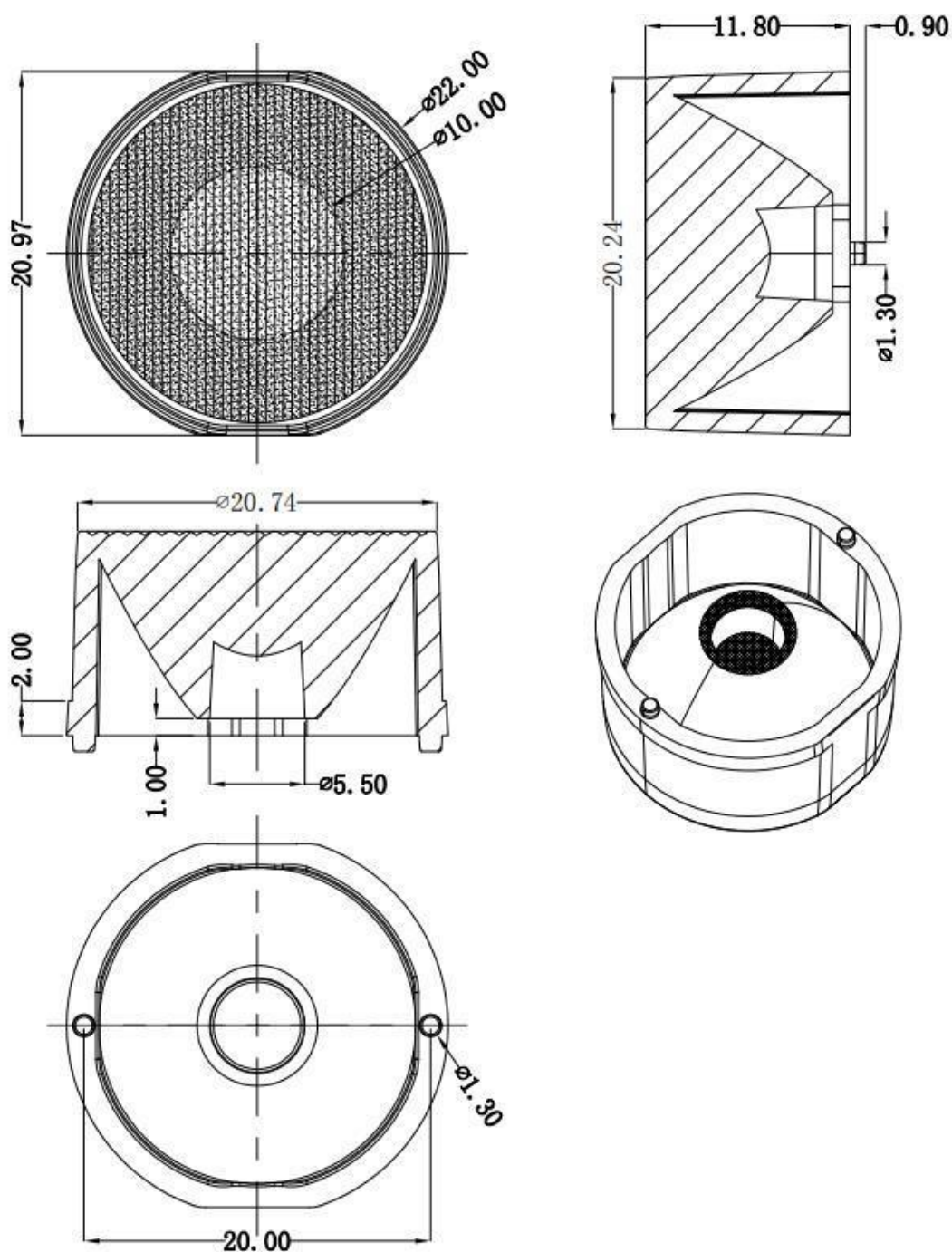




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• Model No.: AW22D12H1560G

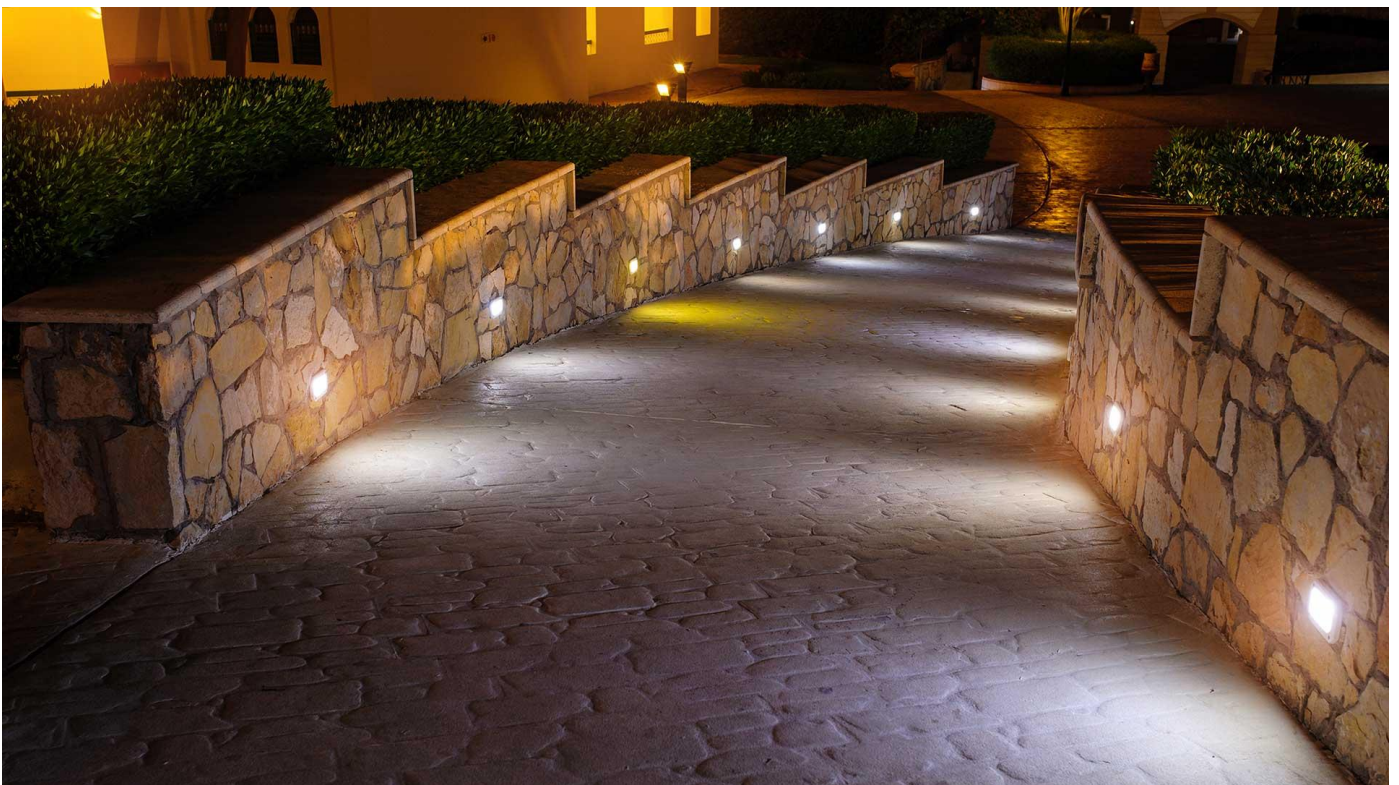




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- Application:





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▲ Features & Typical Applications

- High efficiency by PMMA & PC material and luminance uniformity.
- AW Series-Single lens with a wide variety of different beams,suitable for outdoor lighting.
- Optimized optical design with high light intensity and good durability of lens life time.

▲ Material Information

- Lens Material: Teijin PC 1250Z/ Mitsubishi PMMA VH001
 - PC Operating Temperate Range $-40^{\circ}\text{C}+110^{\circ}\text{C}$ (upper limit $+120^{\circ}\text{C}$)
 - PMMA Operating Temperate Range $+40^{\circ}\text{C}+90^{\circ}\text{C}$
- * Average transmittance in visible spectrum 400nm-700nm $>90\%$

▲ Usage and Maintenance

- 1) If necessary, clean lenses with mild soap, water, and softening cloth.
- 2) Never use any industrial solvent to clean lens, such as cleaning Solvent, Alcohol Sulfuric acid, Ammonia, Urea, Mineral oil, Petrol
- 3) Alternatively the following environment is recommended: Storage temperature: -40°C to $+70^{\circ}\text{C}$, Humidity:30% to 95% HR mar.