



### Product Parameters (产品描述)

产品编号 | Part Number: KB-H20-xx-XP

出光角度 | Beam Angle: 5/8/15/25/30/38/45/60°/Oval etc

产品材料 | Material: Lens PMMA/Holder PC

工作温度 | Work Temp: <85°C

安装方式 | Fastening: Tape/Glue

支架颜色 | Holder Color: White/Black

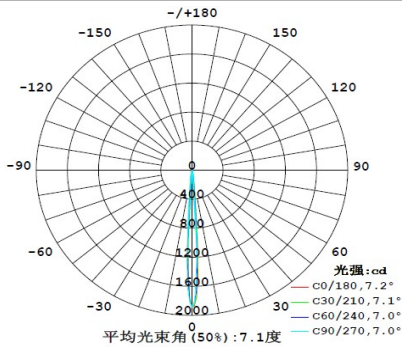
透光率 | Transmittance: 93%

匹配LED | Match Led: Cree XP/3535/Osram Oslon

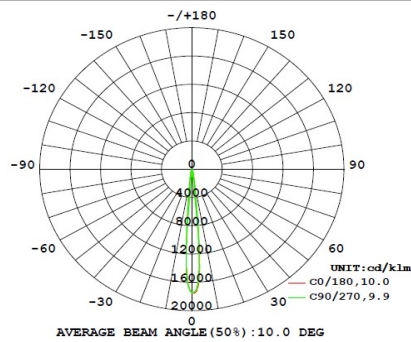
Part Number	Lens Surface	Dimension	Beam Angle
KB-H20-5-XP	镜面/polish	Φ19.8*H10.8mm/Φ21.5*H11.6mm	~5°
KB-H20-8-XP	镜面/polish	Φ19.8*H10.8mm/Φ21.5*H11.6mm	~8°
KB-H20-8N-XP	镜面/polish	Φ19.8*H10.8mm/Φ21.5*H11.6mm	~8°
KB-H20-15-XP	镜面/polish	Φ19.8*H10.8mm/Φ21.5*H11.6mm	~15°
KB-H20-15M-XP	沙面/matt	Φ19.8*H10.8mm/Φ21.5*H11.6mm	~15°
KB-H20-15PN-XP	珠面/beads	Φ19.8*H10.8mm/Φ21.5*H11.6mm	~15°
KB-H20-25P-XP	珠面/beads	Φ19.8*H10.8mm/Φ21.5*H11.6mm	~25°
KB-H20-30P-XP	珠面/beads	Φ19.8*H10.8mm/Φ21.5*H11.6mm	~30°
KB-H20-45P-XP	珠面/beads	Φ19.8*H10.8mm/Φ21.5*H11.6mm	~45°
KB-H20-60P-XP	珠面/beads	Φ19.8*H10.8mm/Φ21.5*H11.6mm	~60°
KB-H20-1045-XP	条纹面/strip	Φ19.8*H10.8mm/Φ21.5*H11.6mm	~15*25°
KB-H20-2040-XP	条纹面/strip	Φ19.8*H10.8mm/Φ21.5*H11.6mm	~20*40°
KB-H20-3060-XP	条纹面/strip	Φ19.8*H10.8mm/Φ21.5*H11.6mm	~15*35°
KB-H20-1080-XP	条纹面/strip	Φ19.8*H10.8mm/Φ21.5*H11.6mm	~15*45°
KB-H20-30PG-XP	珠面/beads	Φ19.8*H16.9mm/Φ21.5*H17.5mm	~30° Polarized
KB-H20-2040PG-XP	条纹面/strip	Φ19.8*H16.9mm/Φ21.5*H17.5mm	~20*40° Polarized

**Light Distribution Curve (配光曲线图)**

Part Number: KB-H20-5-XP

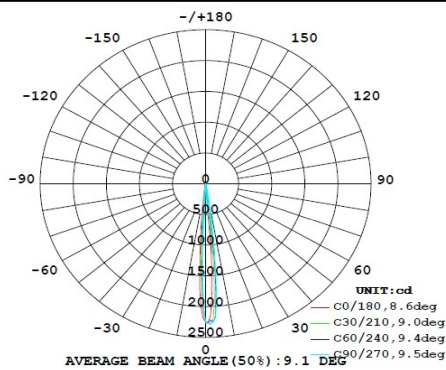


Cree XPE2 ---7.1°



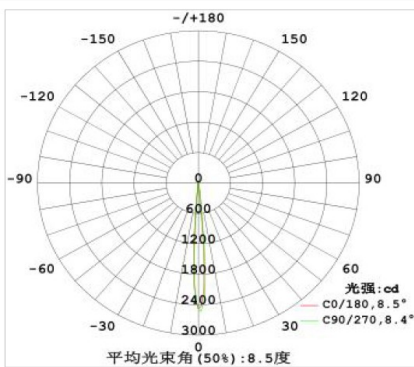
LG H35C1 ---10.0°

Part Number: KB-H20-8-XP

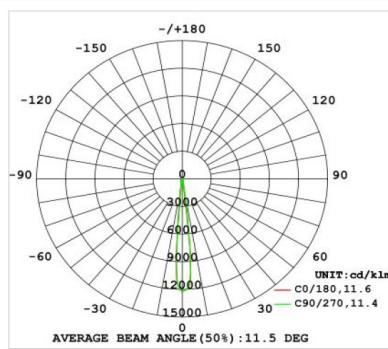


Cree XPE2 ---9.1°

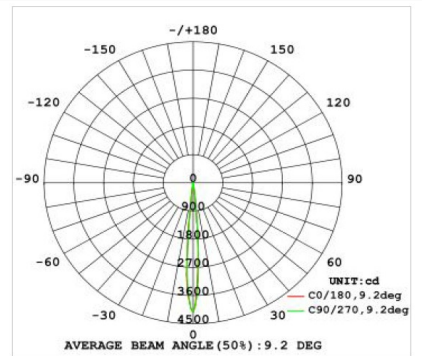
Part Number: KB-H20-8N-XP



Cree XPE2 ---8.5°

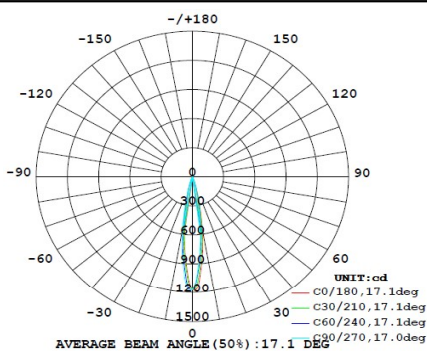


LG H35C1 ---11.5°

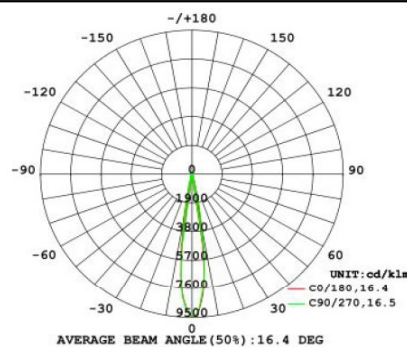


Osram CP7P---9.2°

Part Number: KB-H20-15-XP



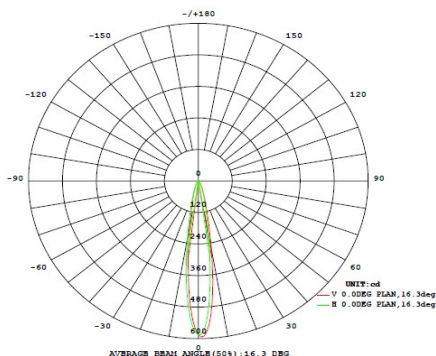
Cree XPE2 ---17.1°



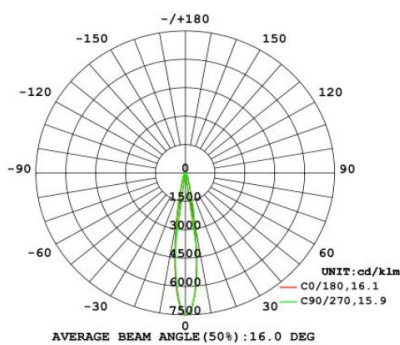
LG H35C1 ---16.4°

**Light Distribution Curve (配光曲线图)**

Part Number: KB-H20-15M-XP

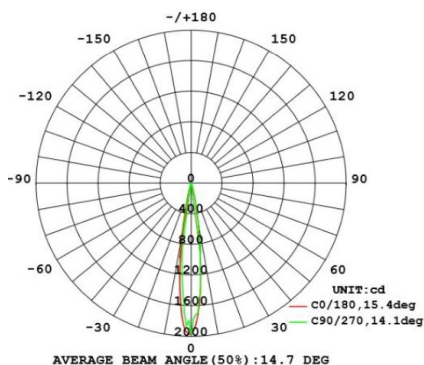


Cree XPE2 ---16.3°

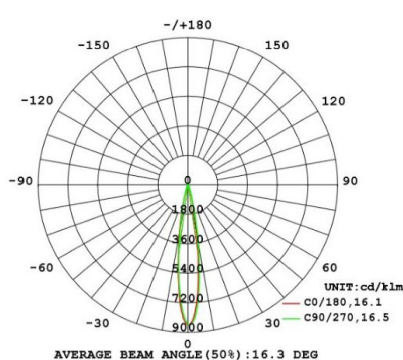


LG H35C1 ---16.0°

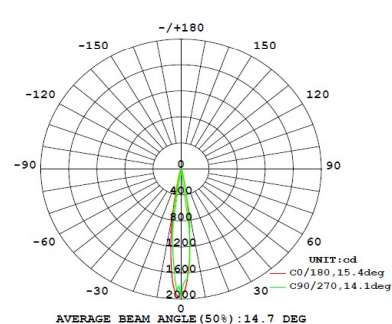
Part Number: KB-H20-15PN-XP



Cree XPE2 ---14.7°

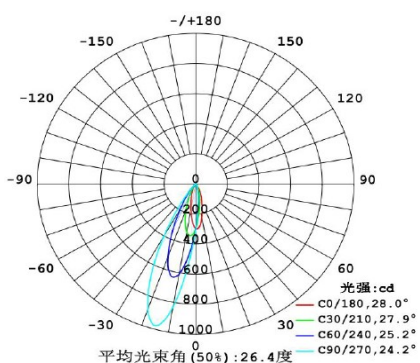


LG H35C1 ---16.3°

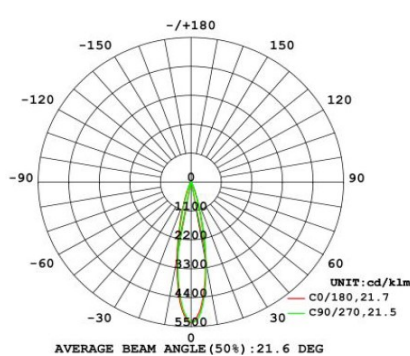


Osram CP7P---14.7°

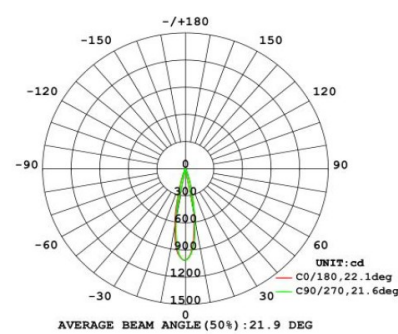
Part Number: KB-H20-25P-XP



Cree XPL ---26.4°



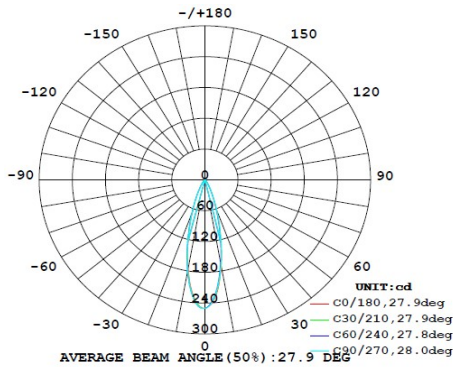
LG H35C1 ---21.6°



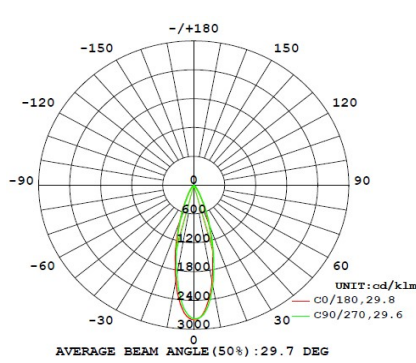
Osram CP7P---21.9°

**Light Distribution Curve (配光曲线图)**

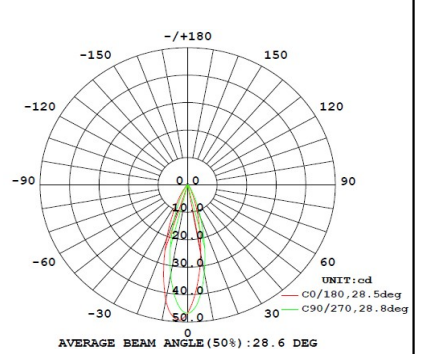
**Part Number: KB-H20-30P-XP**



**Cree XPE2 ---27.9°**

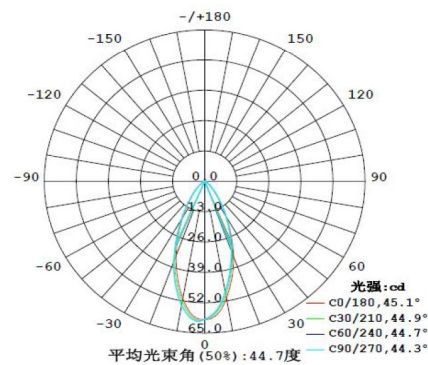


**LG H35C1 ---29.7°**

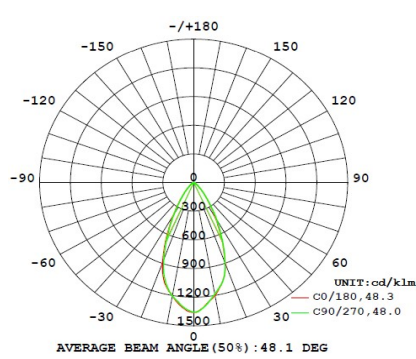


**Osram CP7P---28.6°**

**Part Number: KB-H20-45P-XP**

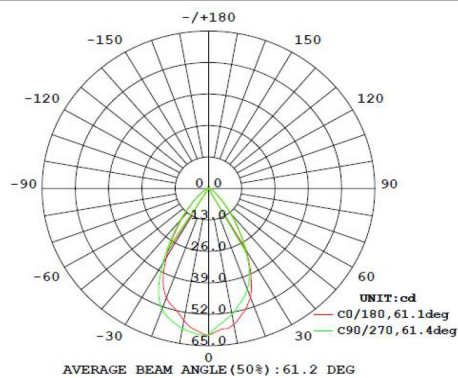


**Cree XPE2 ---44.7°**

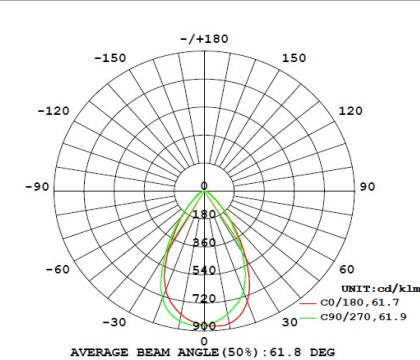


**LG H35C1 ---48.1°**

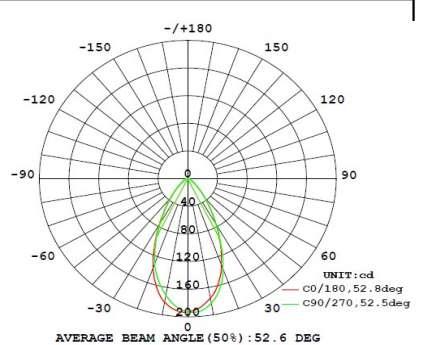
**Part Number: KB-H20-60P-XP**



**Cree XPE2 ---61.2°**

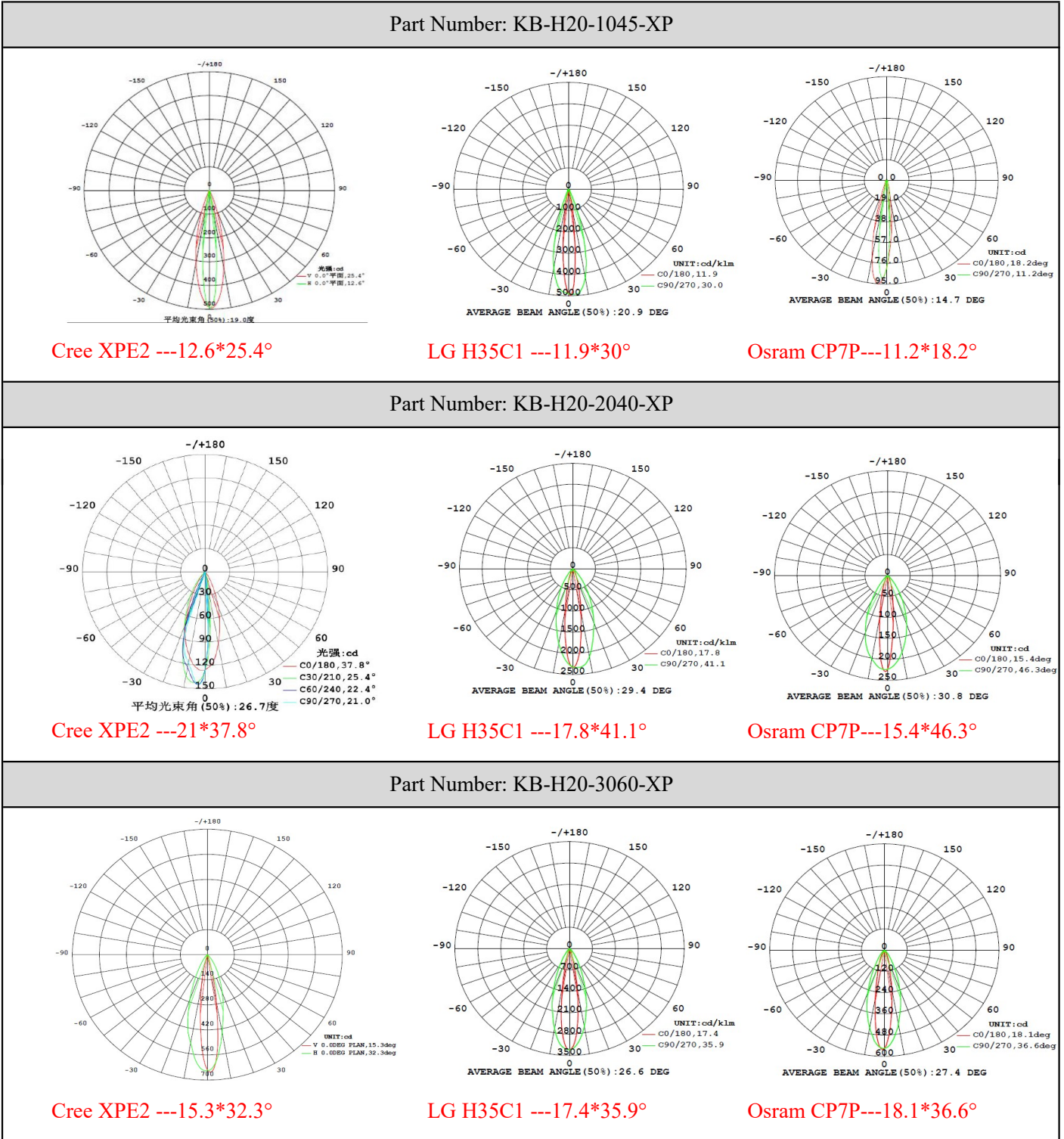


**LG H35C1 ---61.8°**



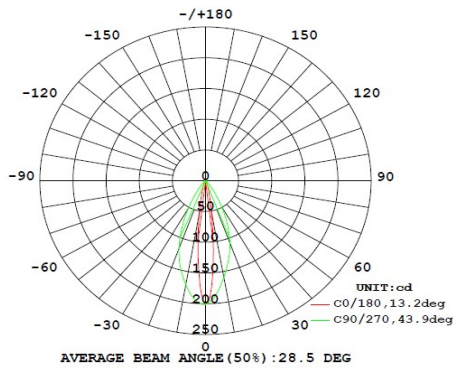
**Osram CP7P---52.6°**

**Light Distribution Curve (配光曲线图)**

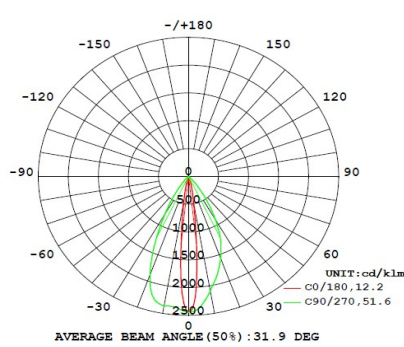


**Light Distribution Curve (配光曲线图)**

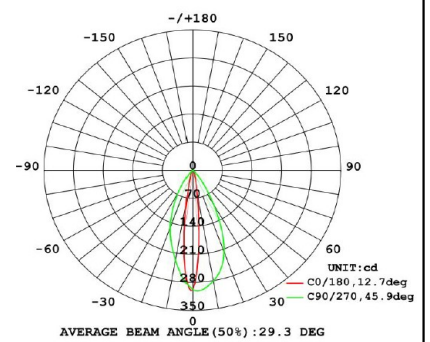
**Part Number: KB-H20-1080-XP**



**Cree XPE2 ---13.2\*43.9°**

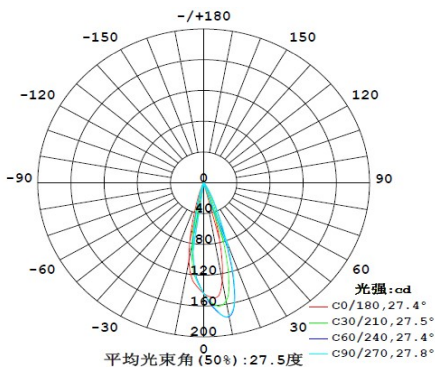


**LG H35C1 ---12.2\*51.6°**



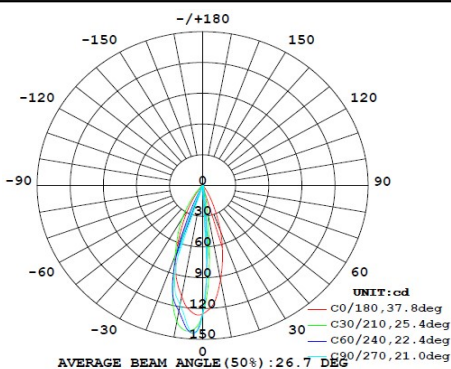
**Osram CP7P---12.7\*45.9°**

**KB-H20-30PG-XP**



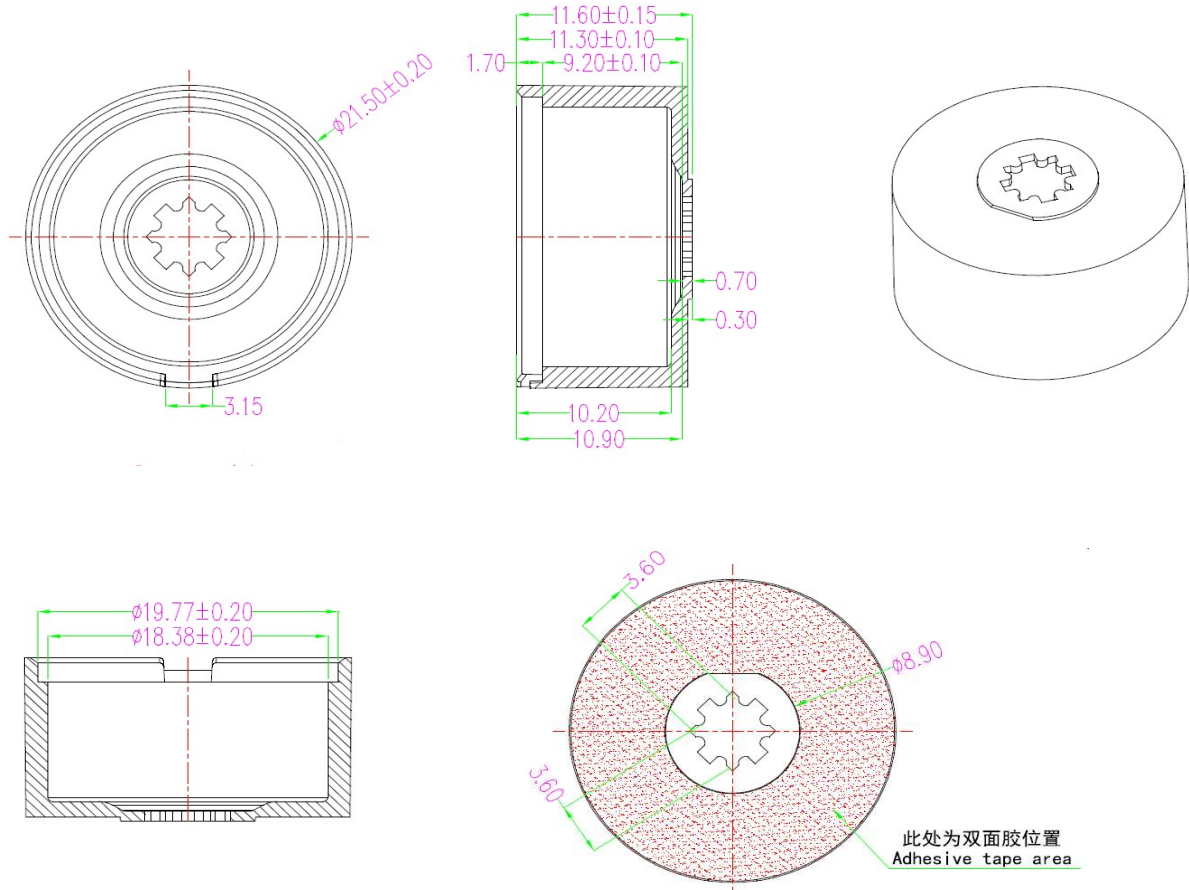
**Cree XPE2 ---27.5° Polarized**

**Part Number: KB-H20-2040PG-XP**

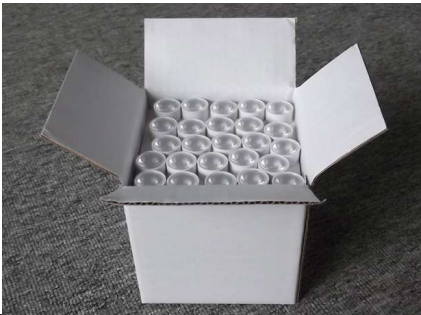



**Cree XPE2 ---21\*37.8° Polarized**

**Mechanical Characteristics:**



**Product Package:**

Inner Box	Outer Carton
	
<p>25pcs/layer 10 layers/box Gross weight: 940g/box Box dimension: 12.2*12.3*13.4cm</p>	<p>20boxes/carton 5,000pcs/carton Gross weight: 19.6kg/CTN Carton Dimension: 64*28*32cm</p>

**Adhesive tape used in optics and assemblies**

KingBrite supplied with double-sided high performance acrylic based adhesive tape. This tape is specifically selected for this application. The foam is a polyurethane(PU)material. There is an acrylic pressure-sensitive adhesive coating on both sides. These tapes have been manufactured for over twenty years during which time no justified complaints of permature ageing have been received.

Generally these tapes work well with the LEDs on the market, but each customer must take necessary measures to ensure complete compatibility with his particular product and its components. Testing and verifying of the adhesives and their combinations is always on the customer's responsibility. For extreme conditions(heavy or prolonged exposure to high ultraviolet radiation, moisture, temperature changes, constant or sudden vibrations etc.) KingBrite recommends to use glue or screws to ensure reliable operation. Please take note of the Instructions of Use below

**Technical information**

- \* Thickness: 0.4mm
- \* Installation pressure: 10N/cm<sup>2</sup>
- \* Assembly temperature range: +18°C~+40°C
- \* Curing time for end strength: 24hours
- \* Work temperature: -40°C~+120°C
- \* Excellent Uvresistance, suitable for both indoor&outdoor lighting
- \* Shelf life: 2 years from purchase

90° Peel Adhesion	N/10mm (lb/in)	30(17)		ASTM D3330
Dynamic Shear Strength	kPa (lb/in <sup>2</sup> )	580(93)		ASTM D-1002
Normal Tensile	kPa (lb/in <sup>2</sup> )	770(48)		ASTM D-897
Static Shear Strength	Grams Weight that ½ square inch will hold 10,000 minutes(7days)	22°C (72°F) 66°C (150°F) 93°C (200°F) 121°C (250°F) 177°C (350°F)	1000 500 500	ASTM 3654

- 1, Ensure the assembled pcb is straight, so the tape can be fully sticked to the surface.
- 2, Ensure the assembled pcb is clean and dry, any dirt or unknown chemicals may affect the tape viscous force.
- 3, Stress lens 1~5 seconds after assembly to ensure 100% bond.
- 4, Check lens one by one after assembly to ensure all lens are sticked properly, if lens was not sticked to led perfectly, lens will be a bit suspended, picked it off to stick again or replace with a new tape.

**Disclaimer**

KingBrite cannot take responsibility for the results obtained by others whose methods we can not control. It is always the customer's responsibility to determine the adhesive's suitability for their products and to take precautions for pertection of property and persons against any hazards that may involved in the handling and use of adhesives. KingBrite desclains all warranties, including warranties of merchantability or suitability for a particular purpose, arising from use of any adhesive product. KingBrite disclains any liability for consequential or incidental damages of any kind, including lost profits.