



Product Model Number

CKO-SP16-048025-2803

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

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(A)

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(B)

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(C)

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(D)

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(E)

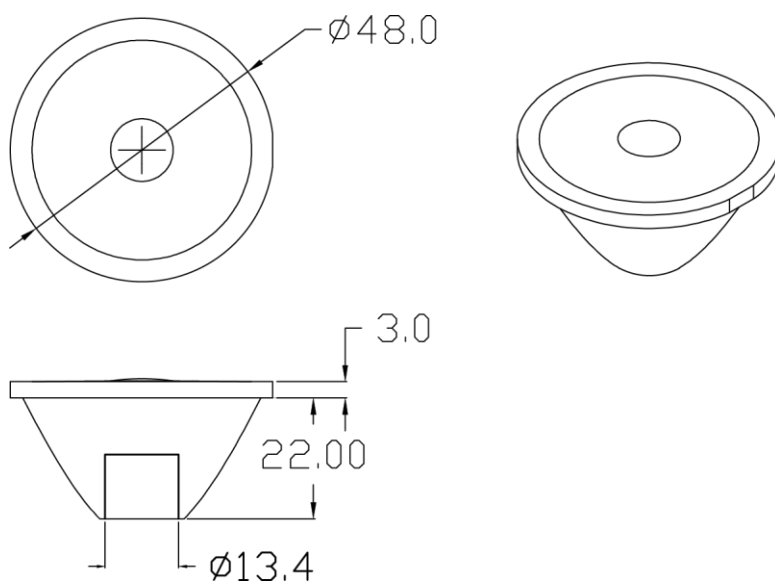


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
SP→Pin spot
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

- C. Identity Code
- D. Lens / Fixture Size
Ex: 075026=Φ75mm / Thickness=26mm (round up)
- C. Serial Numbers

The lens datasheet is applicable for **CREE LED**, that manufactured by Chun Kuang Optics Corp.

✓ Dimensions (mm) : Φ48 x 25



▽:Critical Dimension

Chun Kuang Optics Corp.

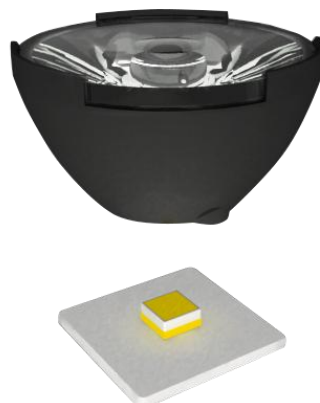
2021/3/16

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TEL : +886-3-6960168 / FAX : +886-3-6960228 / E-mail: sales@ckoptics.com

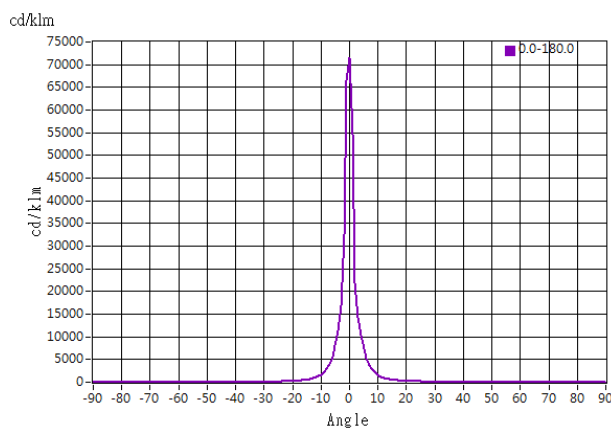
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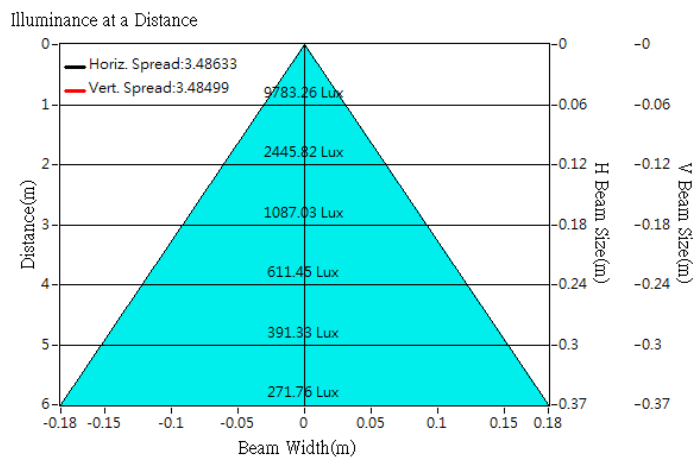
Optical Characteristics

Model Number	CKO-SP16-048025-2803		Schematic Diagram
LED	Cree XD 16		
LES / LED Size	1.6 x 1.6		
FWHM (D50)	3.5°		
Field Angle (D10)	10°		
Dimension with Holder	Φ =48 mm, Thickness=25 mm		
Luminous Flux	136.7 lm	Measured @ 1.13 W	
Material	PC / UL94V2		

cd/klm

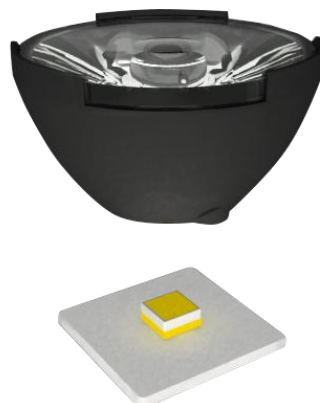


Illuminance At Distances

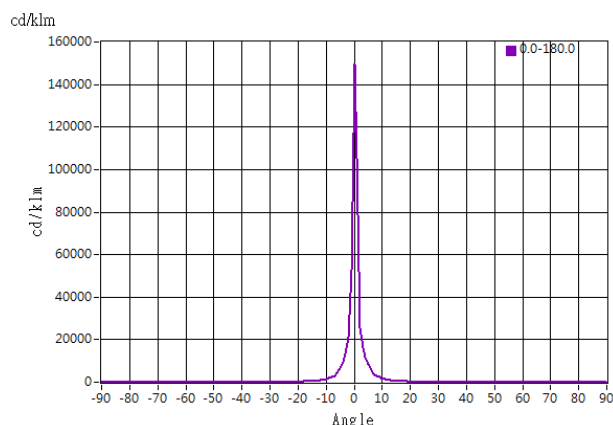




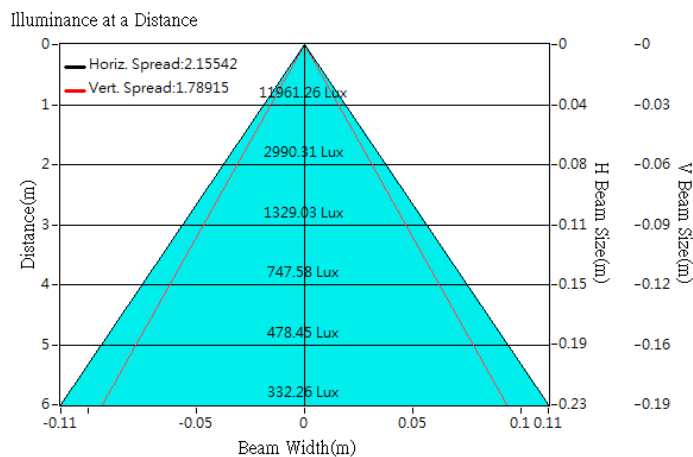
Optical Characteristics

Model Number	CKO-SP16-048025-2803		Schematic Diagram
LED	Cree XQ-E HI		
LES / LED Size	1.6 x 1.6		
FWHM (D50)	2.2°		
Field Angle (D10)	6°		
Dimension with Holder	Φ =48 mm, Thickness=25 mm		
Luminous Flux	80 lm	Measured @ 1.24 W	
Material	PC / UL94V2		

cd/klm

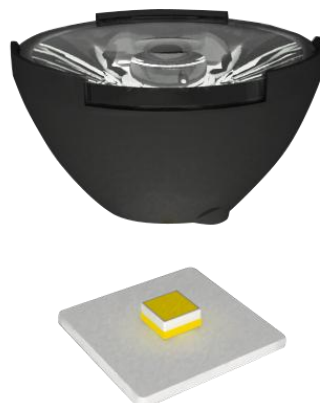


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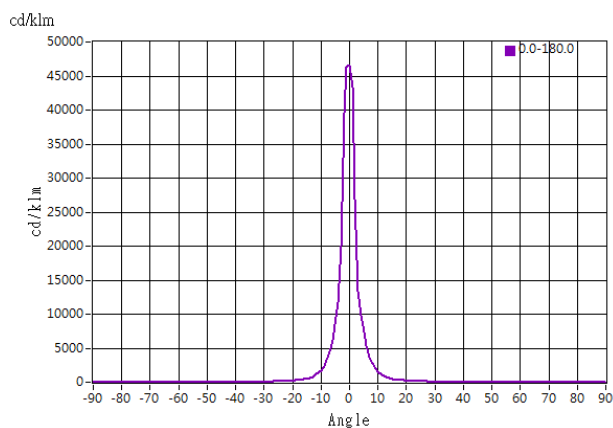




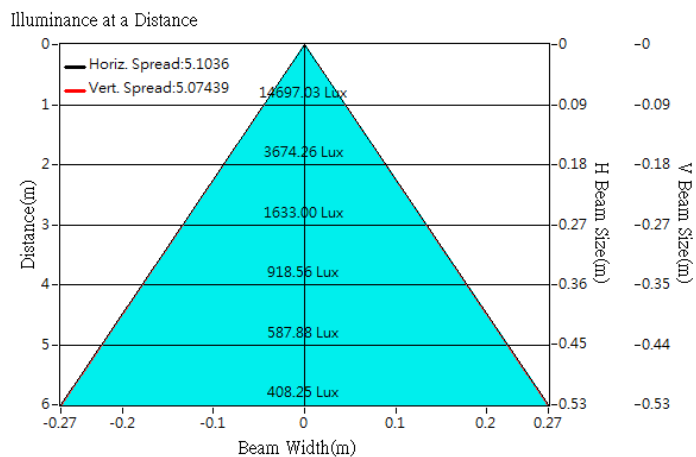
Optical Characteristics

Model Number	CKO-SP16-048025-2803		Schematic Diagram
LED	Cree XHP35-HI		
LES / LED Size	3.5 x 3.5		
FWHM (D50)	5°		
Field Angle (D10)	13°		
Dimension with Holder	Φ =48 mm, Thickness=25 mm		
Luminous Flux	316.8 lm	Measured @ 4.2 W	
Material	PC / UL94V2		

cd/klm

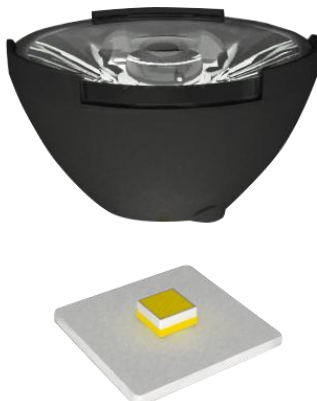
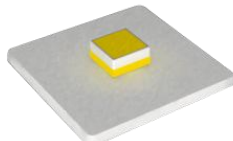


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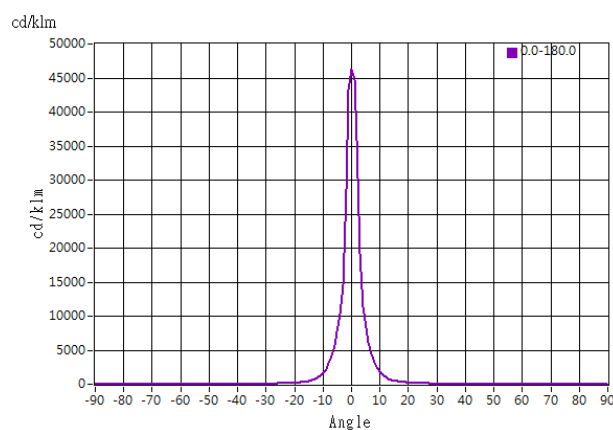




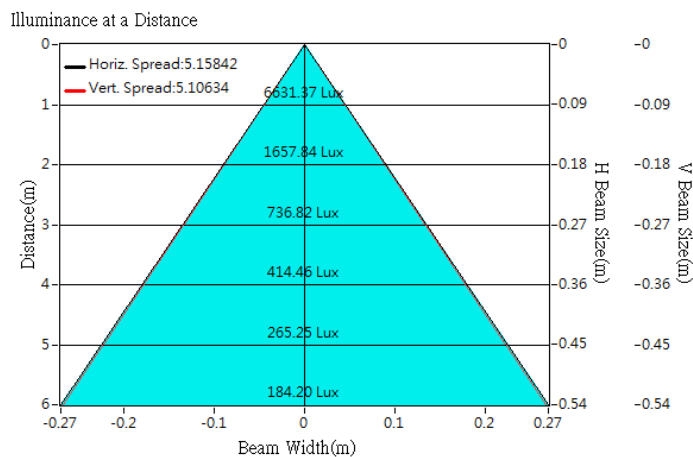
Optical Characteristics

Model Number	CKO-SP16-048025-2803		Schematic Diagram
LED	Cree XP-G3		
LES / LED Size	3.5 x 3.5		
FWHM (D50)	5°		
Field Angle (D10)	13°		
Dimension with Holder	Φ =48 mm, Thickness=25 mm		
Luminous Flux	143 lm	Measured @ 1.2 W	
Material	PC / UL94V2		

cd/klm

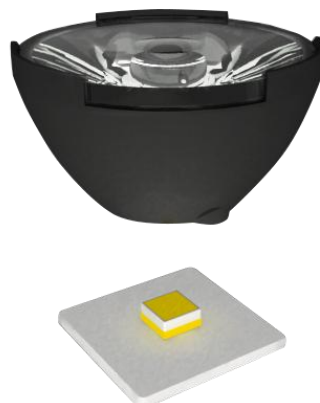


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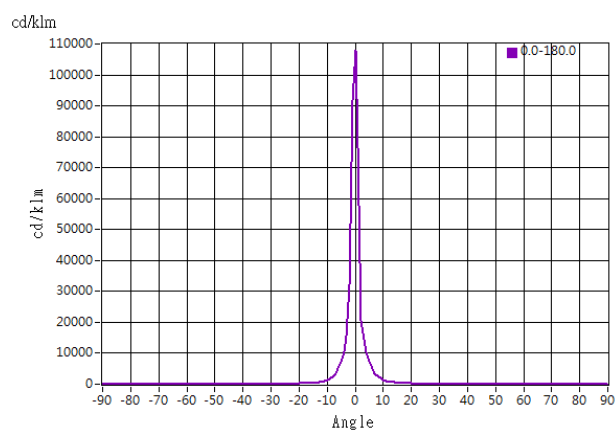




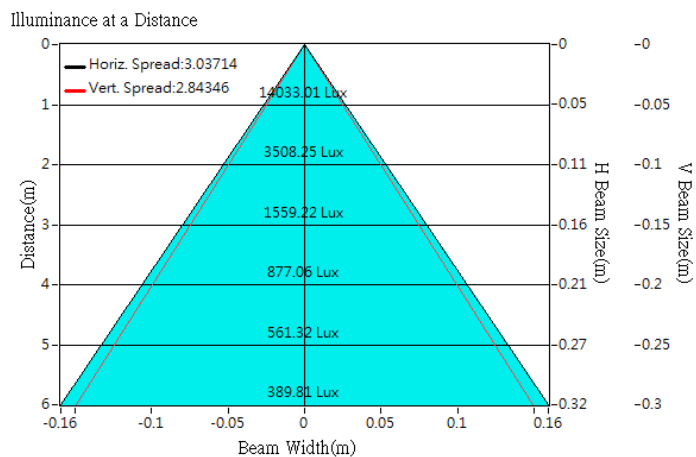
Optical Characteristics

Model Number	CKO-SP16-048025-2803		Schematic Diagram
LED	Cree XP-E2		
LES / LED Size	3.5 x 3.5		
FWHM (D50)	3°		
Field Angle (D10)	7°		
Dimension with Holder	Φ =48 mm, Thickness=25 mm		
Luminous Flux	130 lm	Measured @ 1.27 W	
Material	PC / UL94V2		

cd/klm

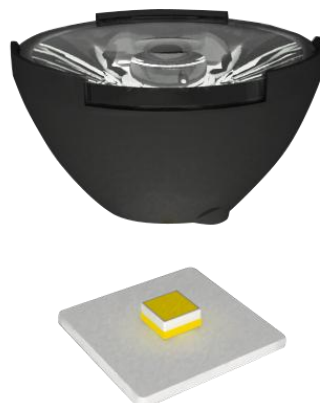
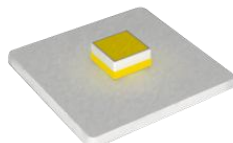


Illuminance At Distances

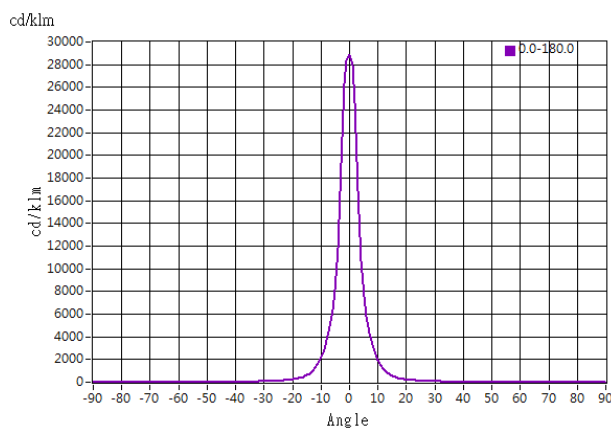




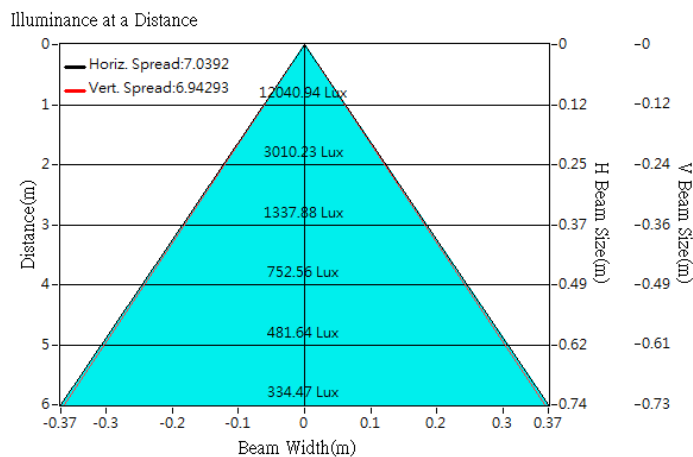
Optical Characteristics

Model Number	CKO-SP16-048025-2803		Schematic Diagram
LED	Cree XP-L HD		
LES / LED Size	3.5 x 3.5		
FWHM (D50)	7°		
Field Angle (D10)	17°		
Dimension with Holder	Φ =48 mm, Thickness=25 mm		
Luminous Flux	416 lm	Measured @ 4.5 W	
Material	PC / UL94V2		

cd/klm

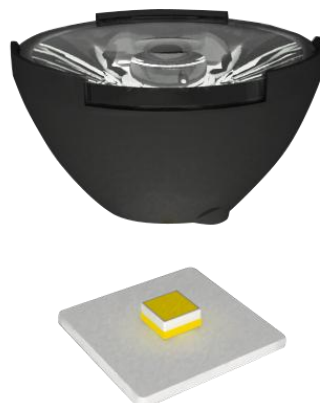


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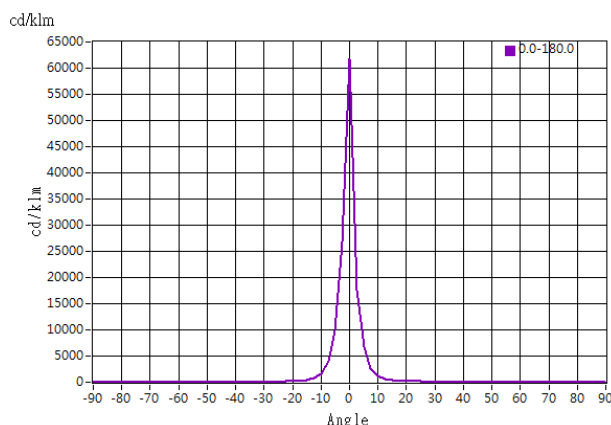




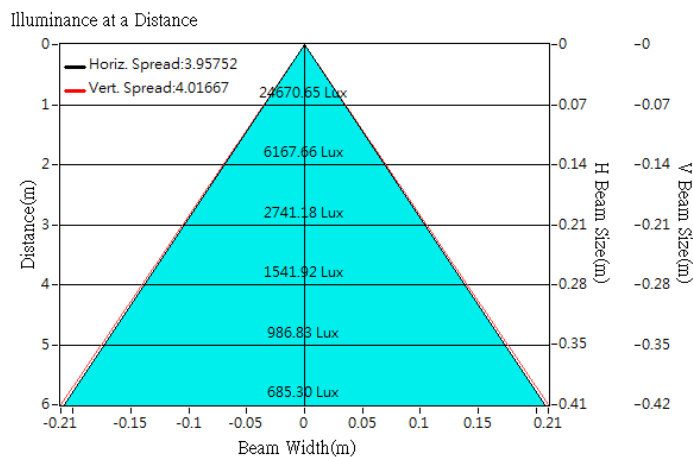
Optical Characteristics

Model Number	CKO-SP16-048025-2803		Schematic Diagram
LED	Cree XP-L HI		
LES / LED Size	3.5 x 3.5		
FWHM (D50)	4°		
Field Angle (D10)	11°		
Dimension with Holder	Φ =48 mm, Thickness=25 mm		
Luminous Flux	399 lm	Measured @ 4.56 W	
Material	PC / UL94V2		

cd/klm



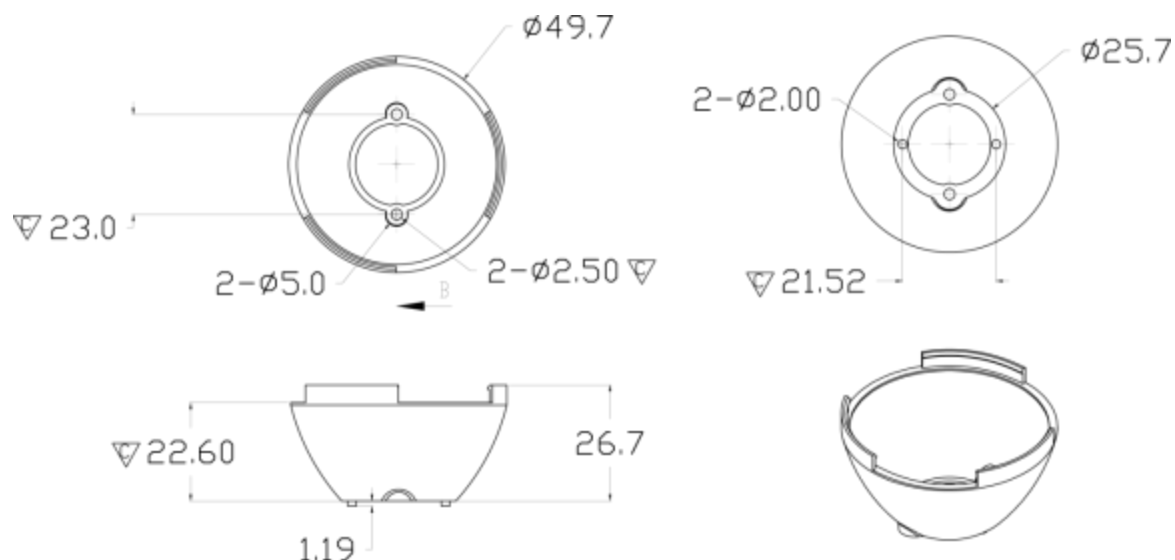
Illuminance At Distances





Lens Accessories - Lens Holder

Product Model	Size (mm)	Material
CKO-HL16-050028-3201	49.7 x 27.89	PC-V0



▽:Critical Dimension