



Product Model Number

CKO-SP16-033016-3701

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

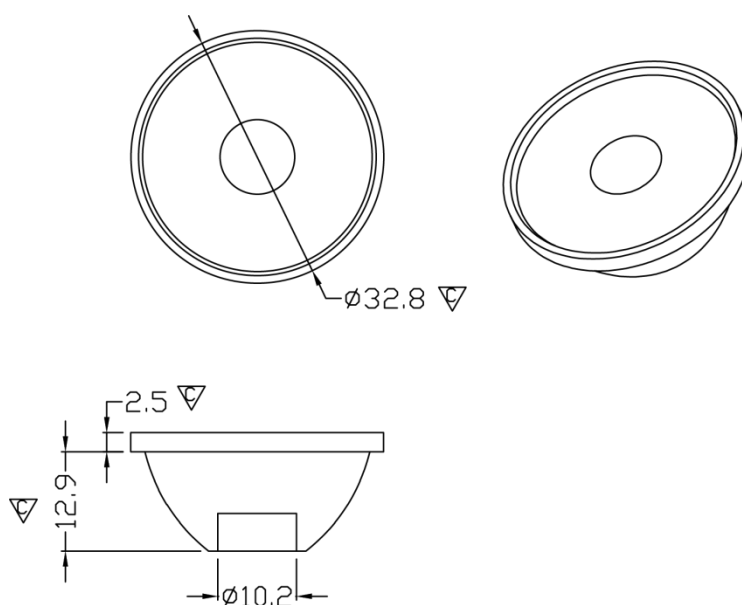


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

- 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) : Φ32.8 x 15.4



▽:Critical Dimension

Chun Kuang Optics Corp.

2018/7/12

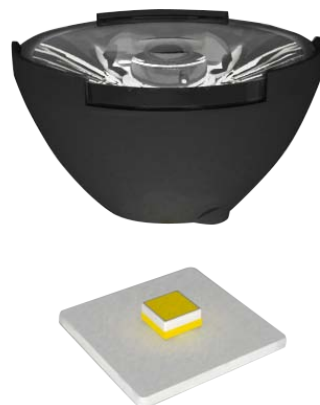
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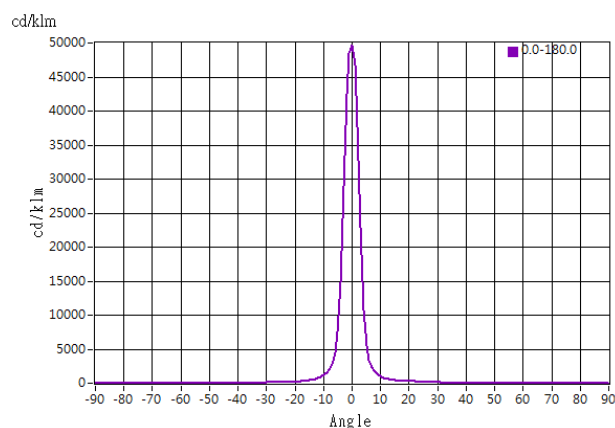
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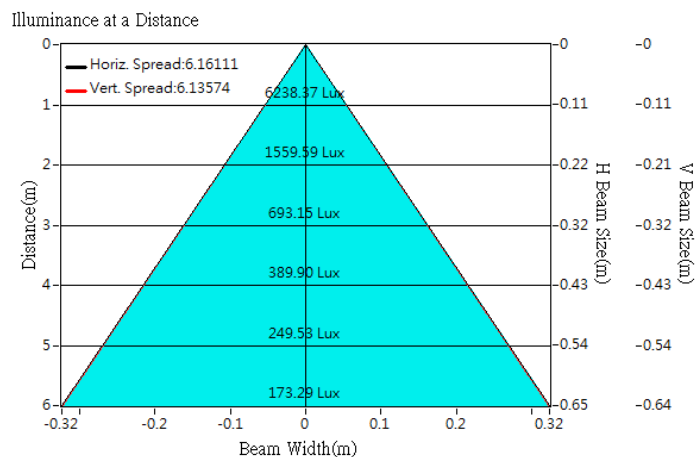
Optical Characteristics

Model Number	CKO-SP16-033016-3701		Schematic Diagram
LED	Cree XD 16		
LES / LED Size	1.6 x 1.6		
FWHM (D50)	6°		
Field Angle (D10)	11°		
Dimension with Holder	Φ =32.8 mm, Thickness=15.4 mm		
Luminous Flux	125 lm	Measured @ 1.01 W	
Material	PC / UL94V2		

cd/klm

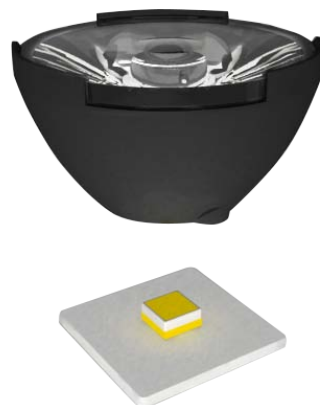


Illuminance At Distances

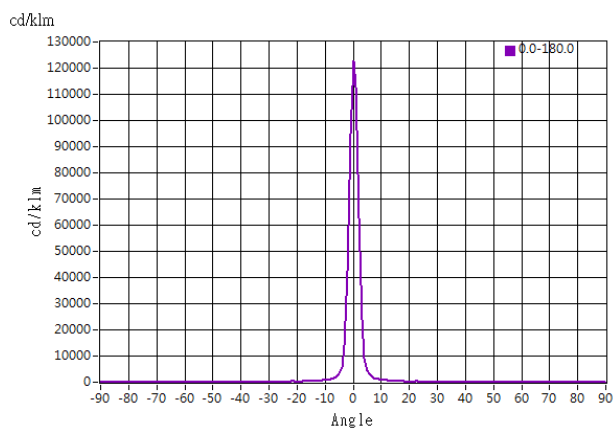




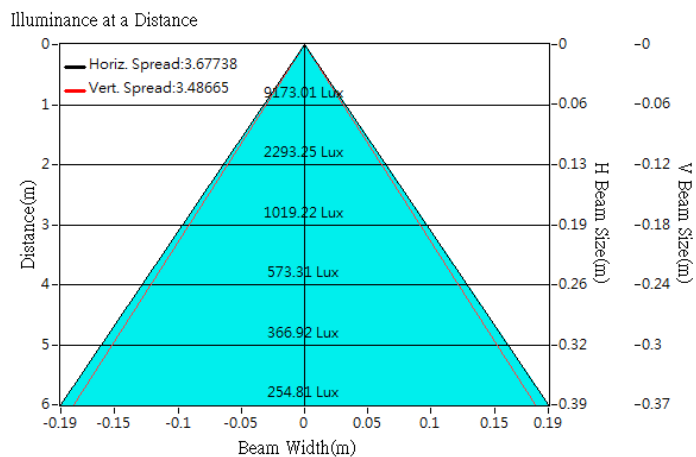
Optical Characteristics

Model Number	CKO-SP16-033016-3701		Schematic Diagram
LED	Cree XQ-E HI		
LES / LED Size	1.6 x 1.6		
FWHM (D50)	3.7°		
Field Angle (D10)	6°		
Dimension with Holder	Φ =32.8 mm, Thickness=15.4 mm		
Luminous Flux	75 lm	Measured @ 1.1 W	
Material	PC / UL94V2		

cd/klm

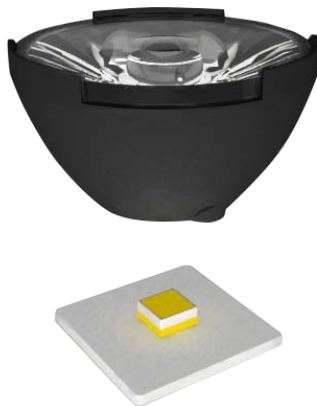


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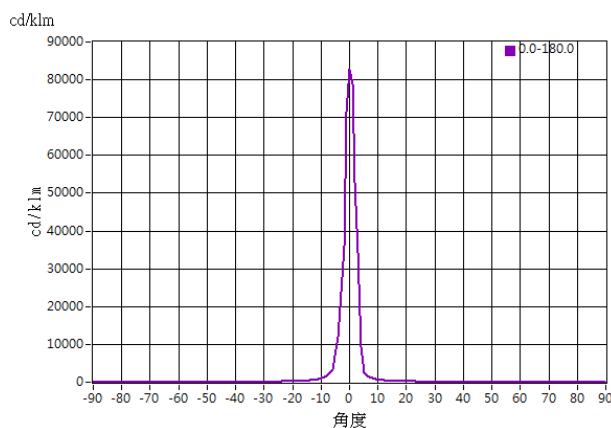




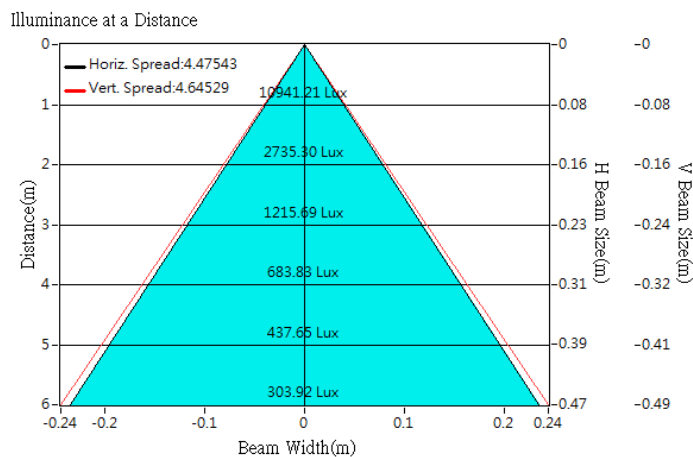
Optical Characteristics

Model Number	CKO-SP16-033016-3701		Schematic Diagram
LED	Cree XP-E2		
LES / LED Size	3.5 x 3.5		
FWHM (D50)	4.5°		
Field Angle (D10)	8°		
Dimension with Holder	Φ =32.8 mm, Thickness=15.4 mm		
Luminous Flux	132 lm	Measured @ 1.1 W	
Material	PC / UL94V2		

cd/klm

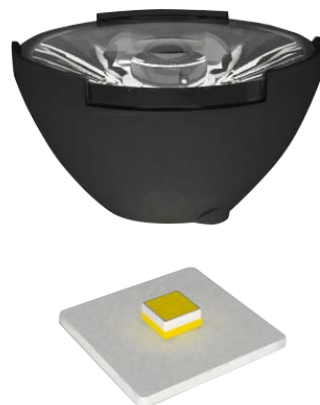


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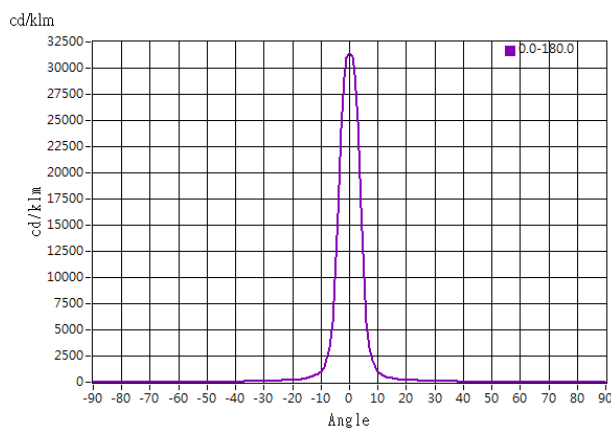




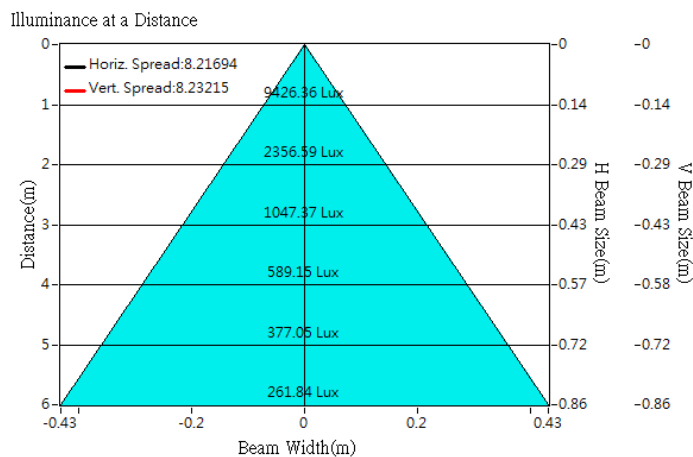
Optical Characteristics

Model Number	CKO-SP16-033016-3701		Schematic Diagram
LED	Cree XHP35 HI		
LES / LED Size	3.5 x 3.5		
FWHM (D50)	8°		
Field Angle (D10)	14°		
Dimension with Holder	Φ =32.8 mm, Thickness=15.4 mm		
Luminous Flux	300 lm	Measured @ 4.0 W	
Material	PC / UL94V2		

cd/klm

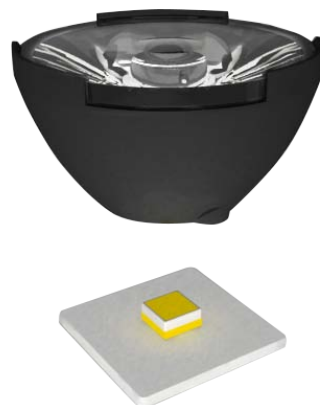


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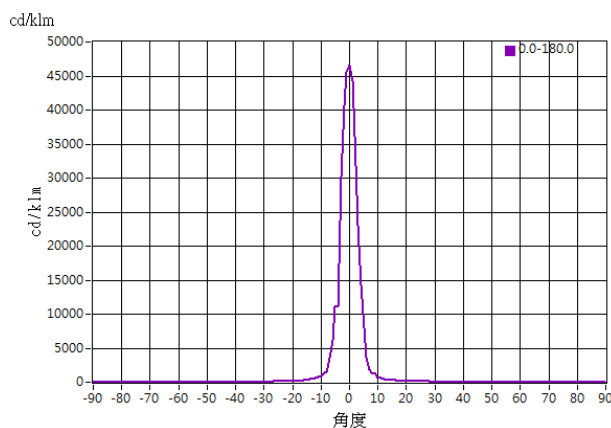




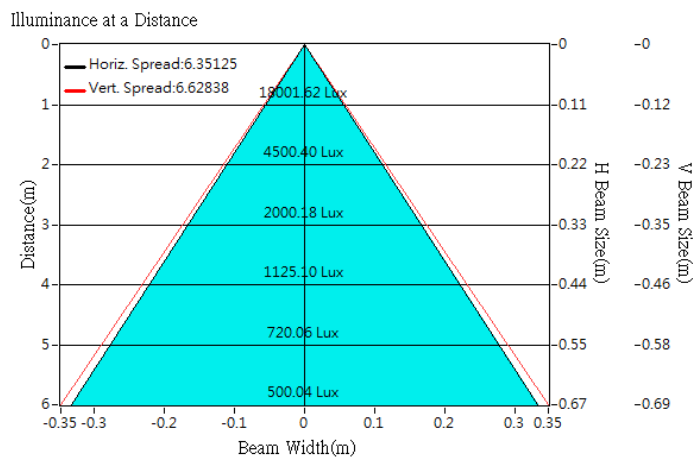
Optical Characteristics

Model Number	CKO-SP16-033016-3701		Schematic Diagram
LED	Cree XP-L HI		
LES / LED Size	3.5 x 3.5		
FWHM (D50)	6°		
Field Angle (D10)	12°		
Dimension with Holder	Φ =32.8 mm, Thickness=15.4 mm		
Luminous Flux	387 lm	Measured @ 3.6 W	
Material	PC / UL94V2		

cd/klm

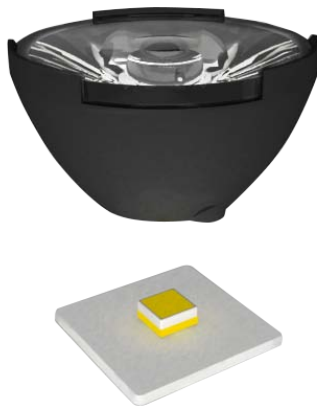


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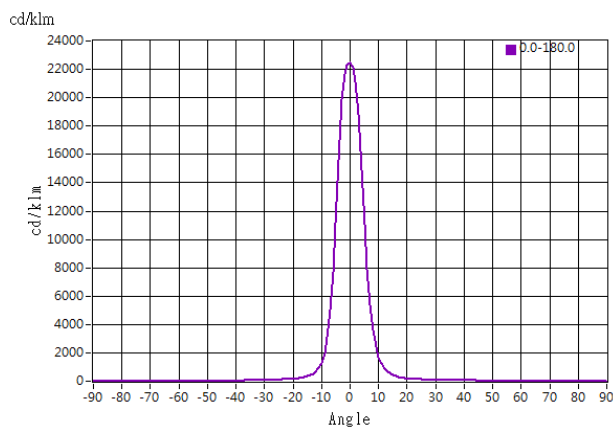




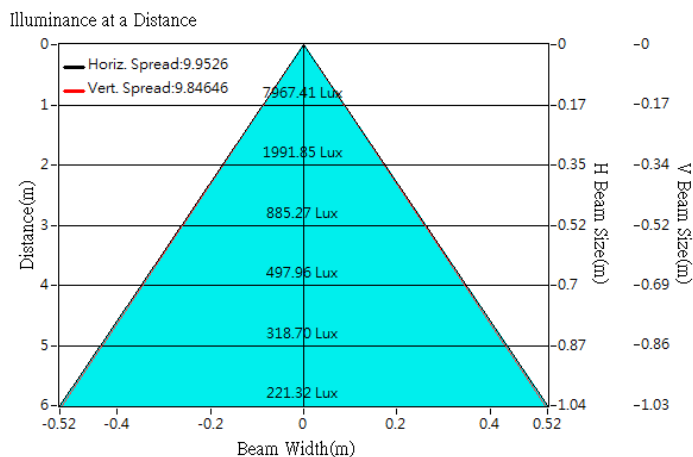
Optical Characteristics

Model Number	CKO-SP16-033016-3701		Schematic Diagram
LED	Cree XP-L HD		
LES / LED Size	3.5 x 3.5		
FWHM (D50)	9°		
Field Angle (D10)	17°		
Dimension with Holder	Φ =32.8 mm, Thickness=15.4 mm		
Luminous Flux	354 lm	Measured @ 3.6 W	
Material	PC / UL94V2		

cd/klm

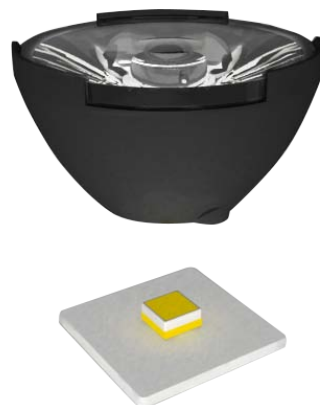


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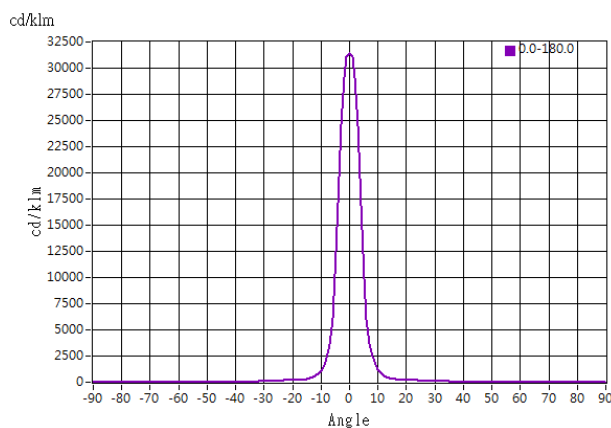




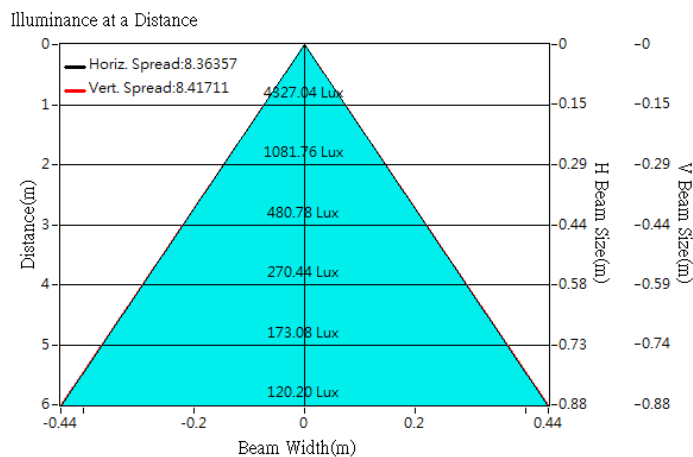
Optical Characteristics

Model Number	CKO-SP16-033016-3701		Schematic Diagram
LED	Cree XP-G3		
LES / LED Size	3.5 x 3.5		
FWHM (D50)	8°		
Field Angle (D10)	14°		
Dimension with Holder	Φ =32.8 mm, Thickness=15.4 mm		
Luminous Flux	138 lm	Measured @ 1.1 W	
Material	PC / UL94V2		

cd/klm



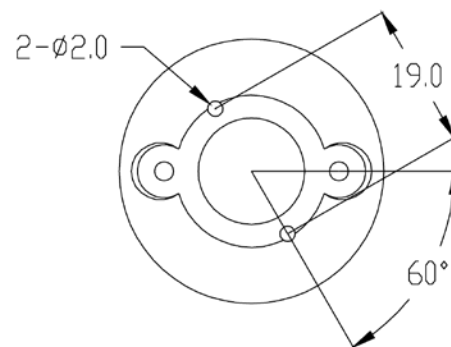
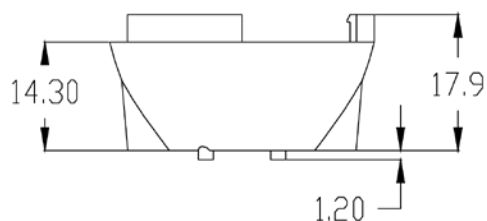
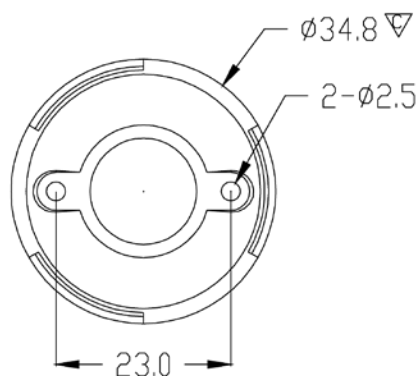
Illuminance At Distances





Lens Accessories - Lens Holder

Product Model	Size (mm)	Material
CKO-HL16-035020-3801	34.8 x 19.1	PC



▽:Critical Dimension