



Product Model Number

CKO-SA16-035016-4801

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

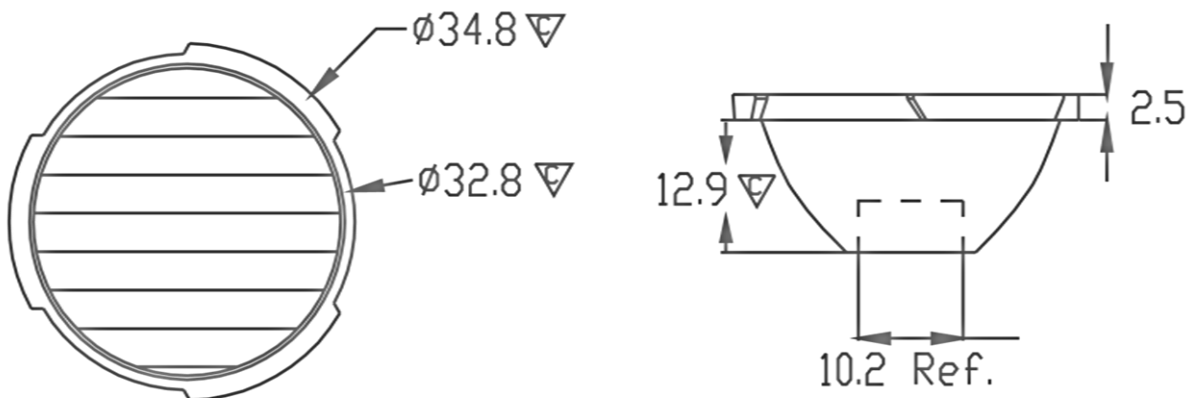


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

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

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

✓ Dimensions (mm) : Φ34.8 x 15.4



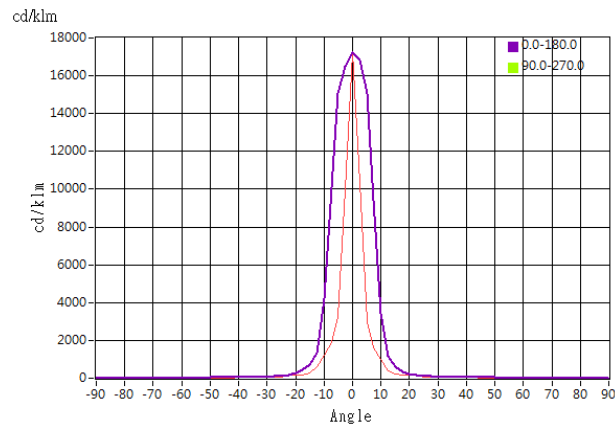
∇:Critical Dimension



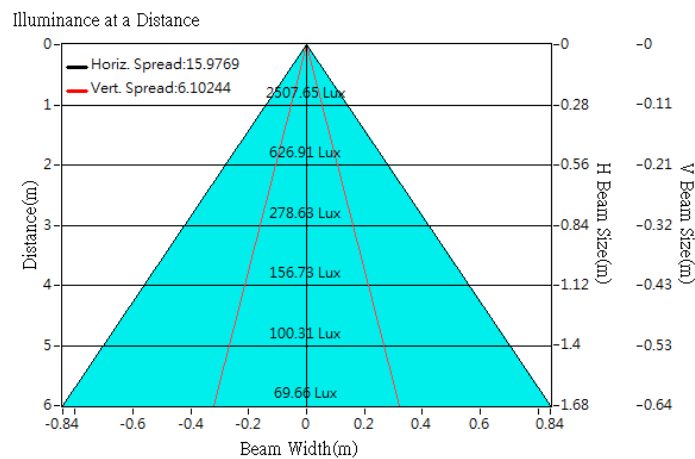
Optical Characteristics

Model Number	CKO-SA16-035016-4801		
LED	Cree XD 16		
LES / LED Size	1.6 x 1.6		
FWHM (D50)	6° x 15°		
Field Angle (D10)	15° x 24°		
Dimension with Holder	Φ =34.8mm, Thickness=15.4 mm		
Luminous Flux	146 lm	Measured @ 1.1 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

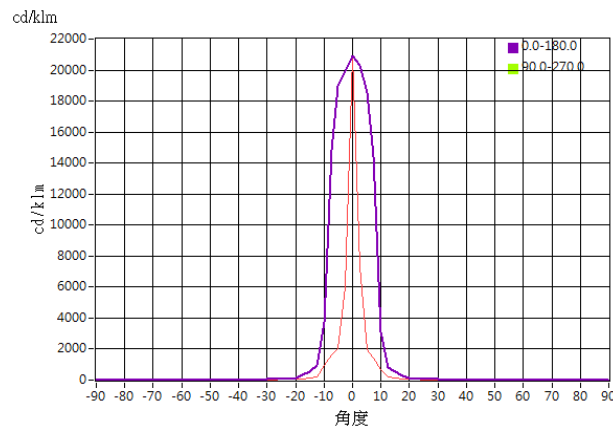




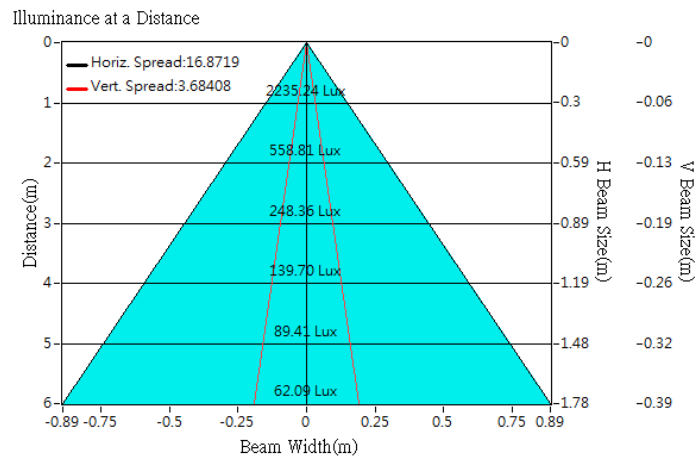
Optical Characteristics

Model Number	CKO-SA16-035016-4801		
LED	Cree XQ-E HI		
LES / LED Size	1.6 x 1.6		
FWHM (D50)	3.7° x 16°		
Field Angle (D10)	9° x 23°		
Dimension with Holder	Φ =34.8mm, Thickness=15.4 mm		
Luminous Flux	107 lm	Measured @ 1.1 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

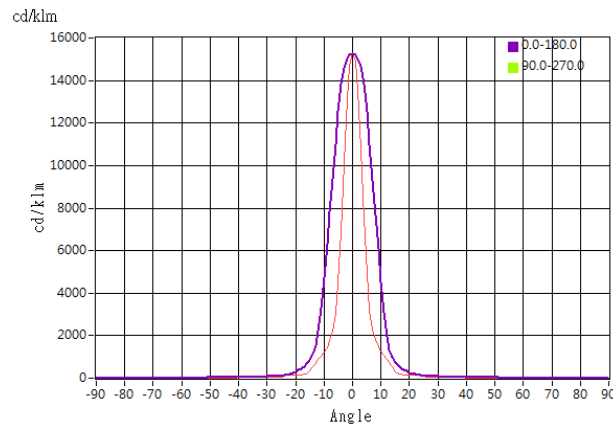




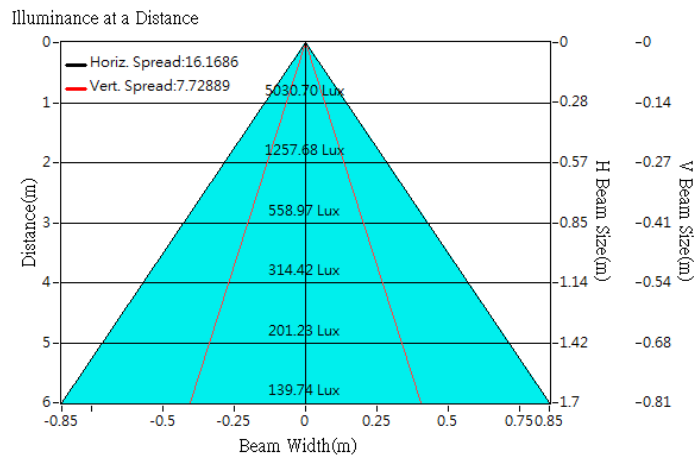
Optical Characteristics

Model Number	CKO-SA16-035016-4801		
LED	Cree XHP35 HI		
LES / LED Size	3.5 x 3.5		
FWHM (D50)	7° x 16°		
Field Angle (D10)	17° x 26°		
Dimension with Holder	Φ =34.8 mm, Thickness=15.4 mm		
Luminous Flux	330 lm	Measured @ 4.0 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

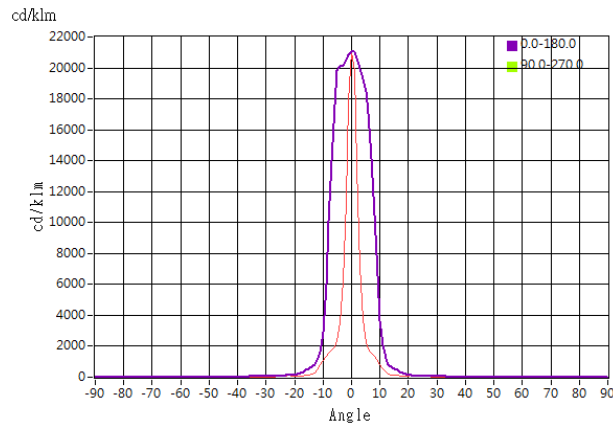




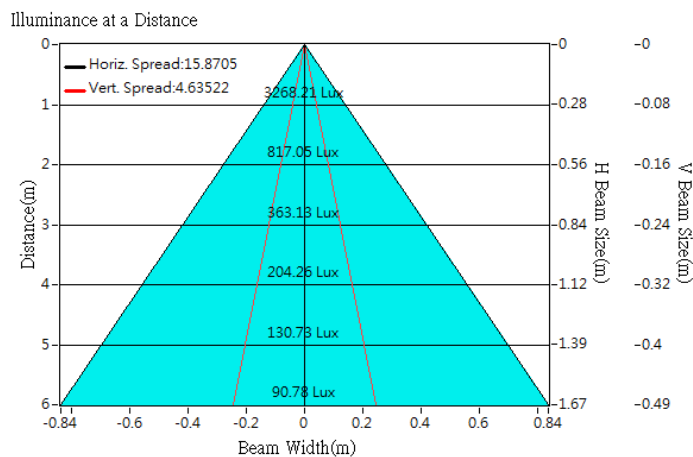
Optical Characteristics

Model Number	CKO-SA16-035016-4801		<p>Schematic Diagram</p>
LED	Cree XP-E2		
LES / LED Size	3.5 x 3.5		
FWHM (D50)	4.6° x 15°		
Field Angle (D10)	10° x 22°		
Dimension with Holder	Φ =34.8 mm, Thickness=15.4 mm		
Luminous Flux	155 lm	Measured @ 1.2 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

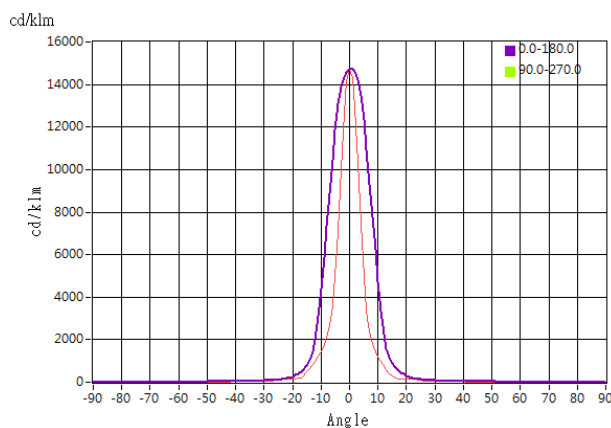




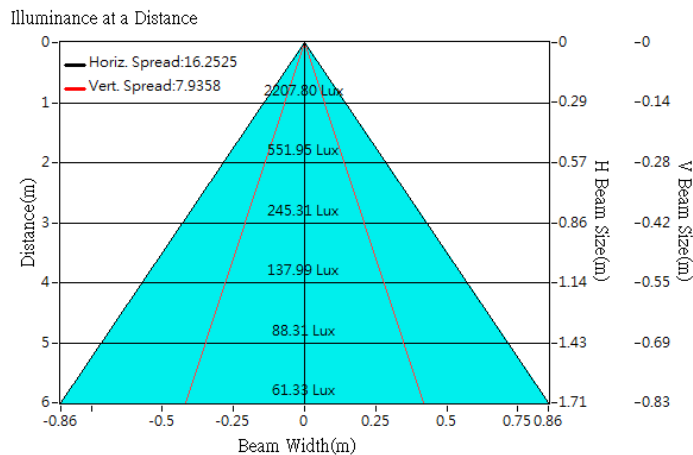
Optical Characteristics

Model Number	CKO-SA16-035016-4801		
LED	Cree XP-G3		
LES / LED Size	3.5 x 3.5		
FWHM (D50)	7° x 16°		
Field Angle (D10)	18° x 26°		
Dimension with Holder	Φ =34.8 mm, Thickness=15.4 mm		
Luminous Flux	150 lm	Measured @ 1.1 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

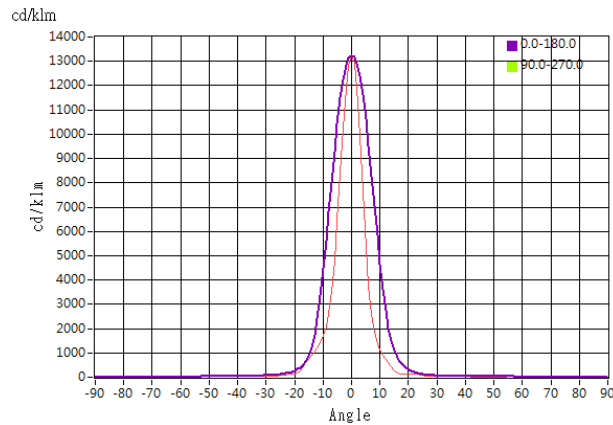




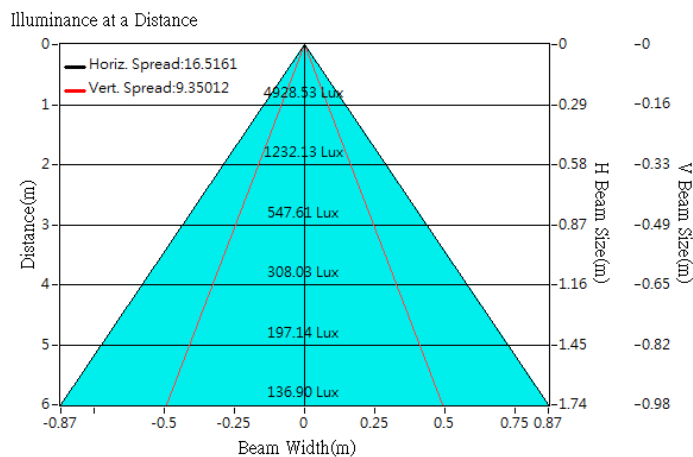
Optical Characteristics

Model Number	CKO-SA16-035016-4801		
LED	Cree XP-L HD		
LES / LED Size	3.5 x 3.5		
FWHM (D50)	9° x 16°		
Field Angle (D10)	21° x 28°		
Dimension with Holder	Φ =34.8 mm, Thickness=15.4 mm		
Luminous Flux	373 lm	Measured @ 4.0 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

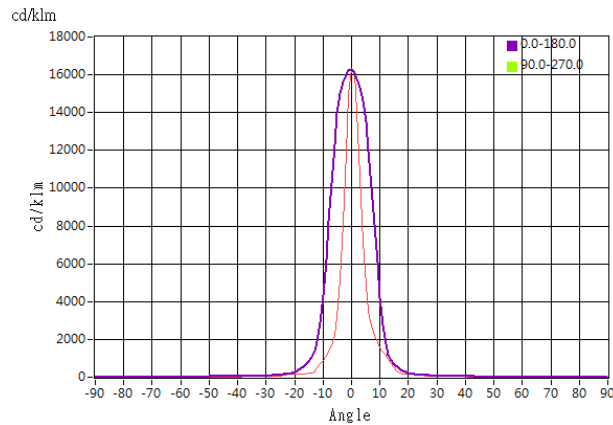




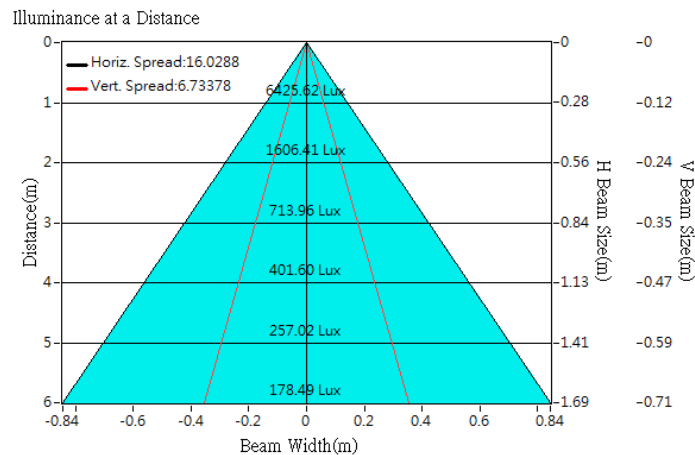
Optical Characteristics

Model Number	CKO-SA16-035016-4801		
LED	Cree XP-L HI		
LES / LED Size	3.5 x 3.5		
FWHM (D50)	6° x 16°		
Field Angle (D10)	16° x 25°		
Dimension with Holder	Φ =34.8 mm, Thickness=15.4 mm		
Luminous Flux	395 lm	Measured @ 3.6 W	
Material	PC / UL94V2		

cd/klm



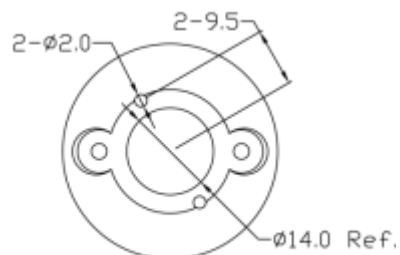
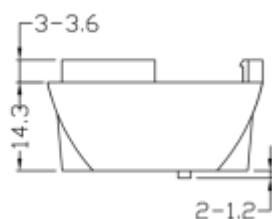
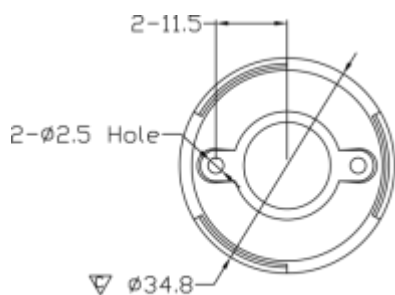
Illuminance At Distances





Lens Accessories - Lens Holder

Product Model	Size (mm)	Material
CKO-HL16-035020-3801	34.8 x 19.1	PC-V0



Bottom view

▽:Critical Dimension