Product Model Number

CKO-SD16-150023-4901

✓ Model Number Definitions

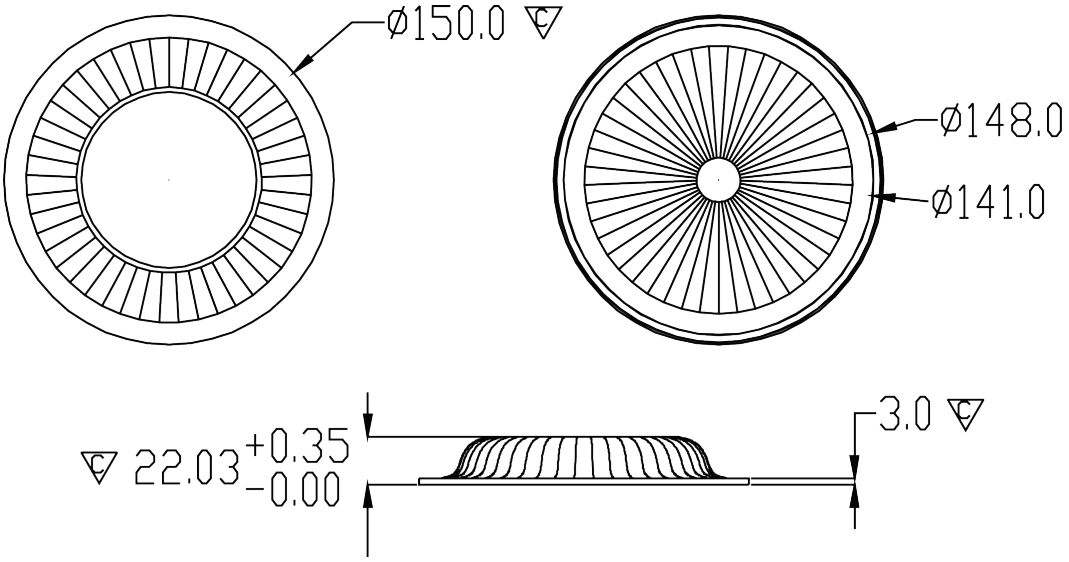
CKO-XXXX-XXXXXX-XXXX

Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ

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) : Φ150 x 23



Ⓒ:Critical Dimension

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✓ Optical Characteristics – Angle Performances

CREE	LED LES (mm)	FWHM (degrees)	Field Angle (degrees)
CXA1830	Φ14	114°	180°
CXA2530	Φ19	113°	180°
CXA3050	Φ23	86°	180°
CXA3590	Φ30	84°	175°

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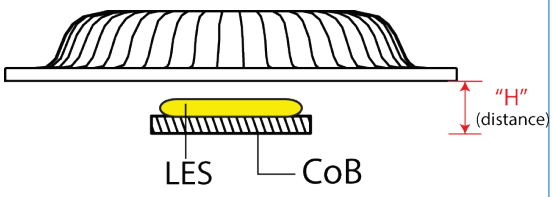
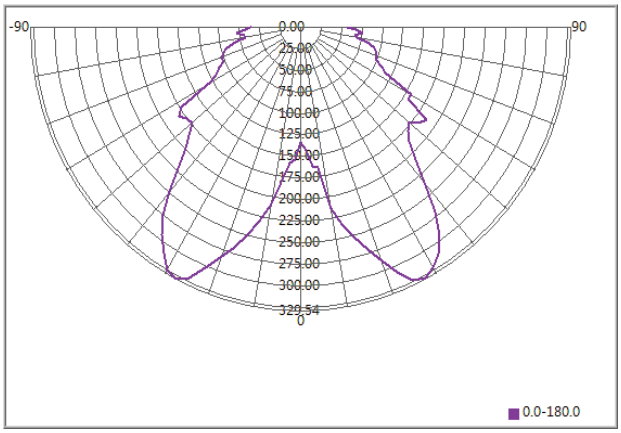
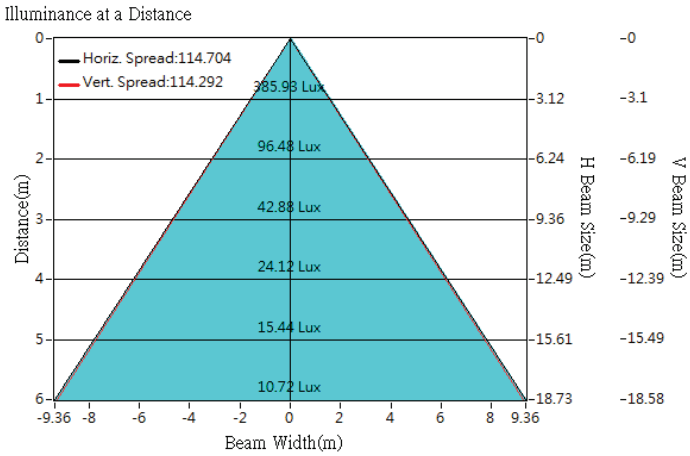
Optical Characteristics

Model Number	CKO-SD16-150023-4901		"H" definition
LED	**CREE CXA1830**		
LES / LED Size	Φ 14 mm		
FWHM (D50)	114°		
Field Angle (D10)	180°		
H (distance)	3 mm		
Dimension	Φ =150 mm, Thickness=23mm		
Luminous Flux	2882 lm	Measured @ 29 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances



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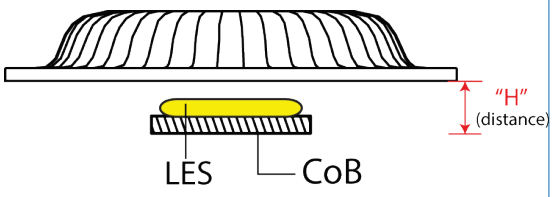
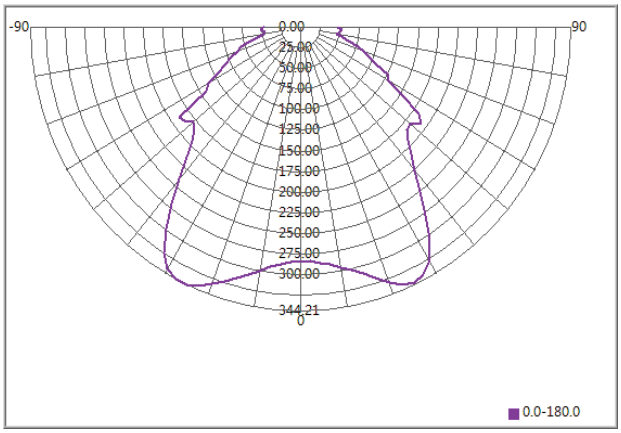
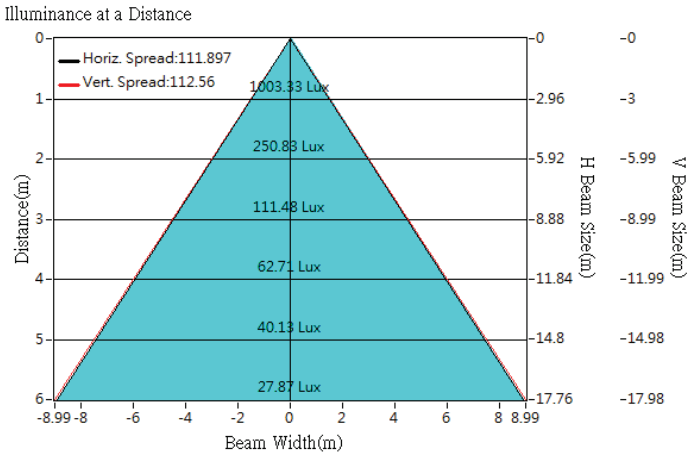
Optical Characteristics

Model Number	CKO-SD16-150023-4901		"H" definition
LED	**CREE CXA2530**		
LES / LED Size	Φ 19 mm		
FWHM (D50)	113°		
Field Angle (D10)	180°		
H (distance)	3 mm		
Dimension	Φ =150 mm, Thickness=23mm		
Luminous Flux	3524 lm	Measured @ 30 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances



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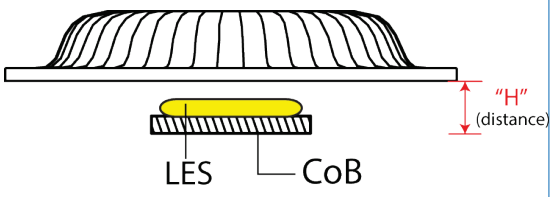
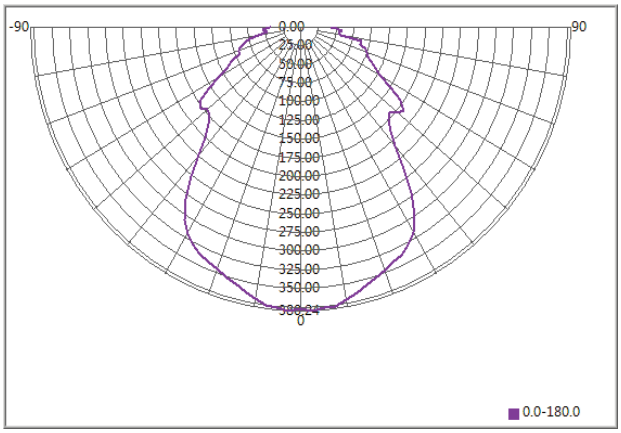
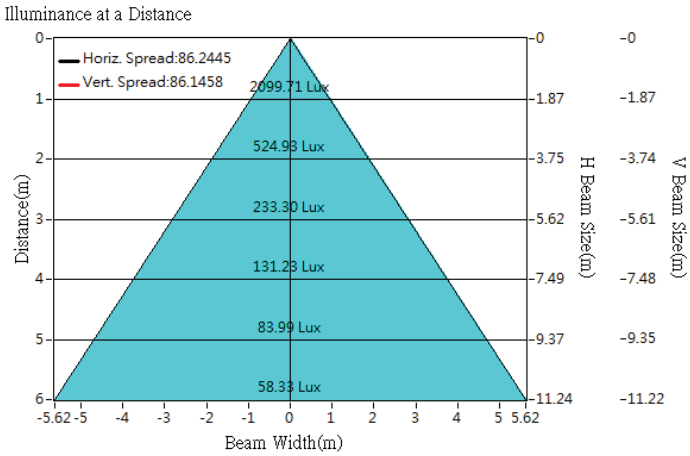
Optical Characteristics

Model Number	CKO-SD16-150023-4901		"H" definition
LED	**CREE CXA3050**		
LES / LED Size	Φ 23 mm		
FWHM (D50)	86°		
Field Angle (D10)	180°		
H (distance)	3 mm		
Dimension	Φ =150 mm, Thickness=23mm		
Luminous Flux	5568 lm	Measured @ 50 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances



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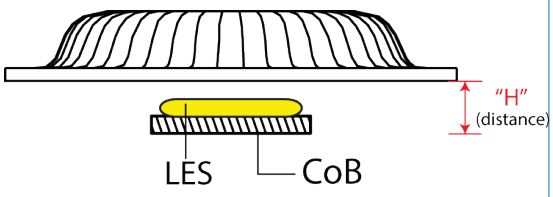
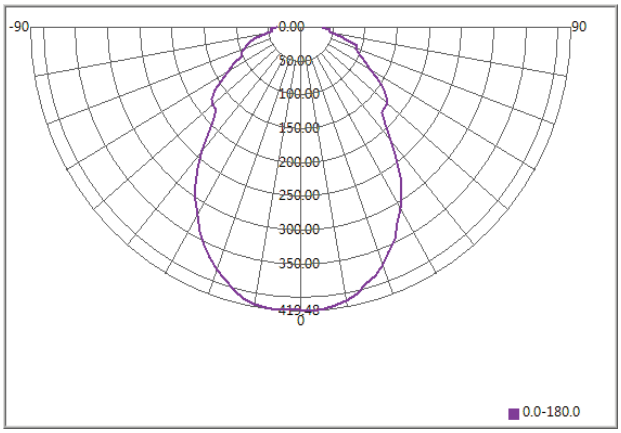
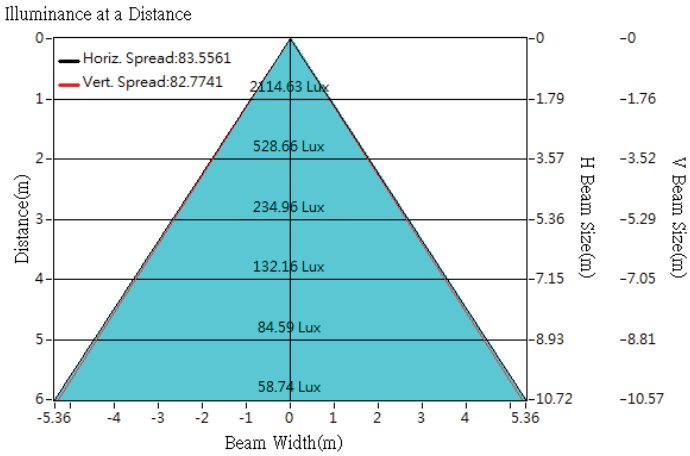
Optical Characteristics

Model Number	CKO-SD16-150023-4901		"H" definition
LED	**CREE CXA3590**		
LES / LED Size	Φ 30 mm		
FWHM (D50)	84°		
Field Angle (D10)	175°		
H (distance)	3 mm		
Dimension	Φ =150 mm, Thickness=23mm		
Luminous Flux	5060 lm	Measured @ 42 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances



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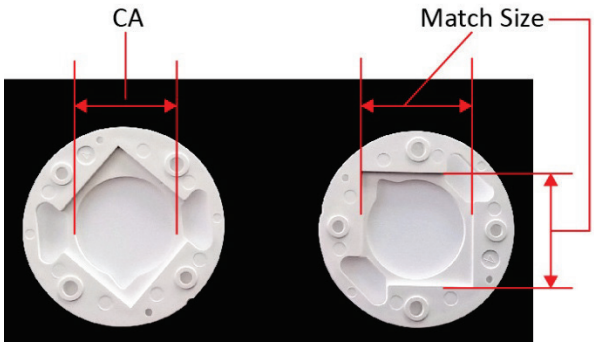
Lens Accessories - CoB Holder



Example of LES Area & LED Size Dimension Locations

Product Model	Match Size (mm)	CA (mm)	Material	Applicability
CKO-HC13-131307-6411	13.6 x 13.6	Φ 7.8	PBT	CREE CXA 13XX
CKO-HC13-161610-6412	16.1 x 16.1	Φ 10.8	PBT	CREE CXA 15XX
CKO-HC13-181816-6413	18.1 x 18.1	Φ 16.4	PBT	CREE CXA 18XX
CKO-HC13-242421-6414	24.1 x 24.1	Φ 21.3	PBT	CREE CXA 25XX
CKO-HC13-272725-6415	27.6 x 27.6	Φ 25.3	PBT	CREE CXA 30XX

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