



Product Model Number

CKO-CS18-025014-0901

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

(A)

(B)

(C)

(D)

(E)

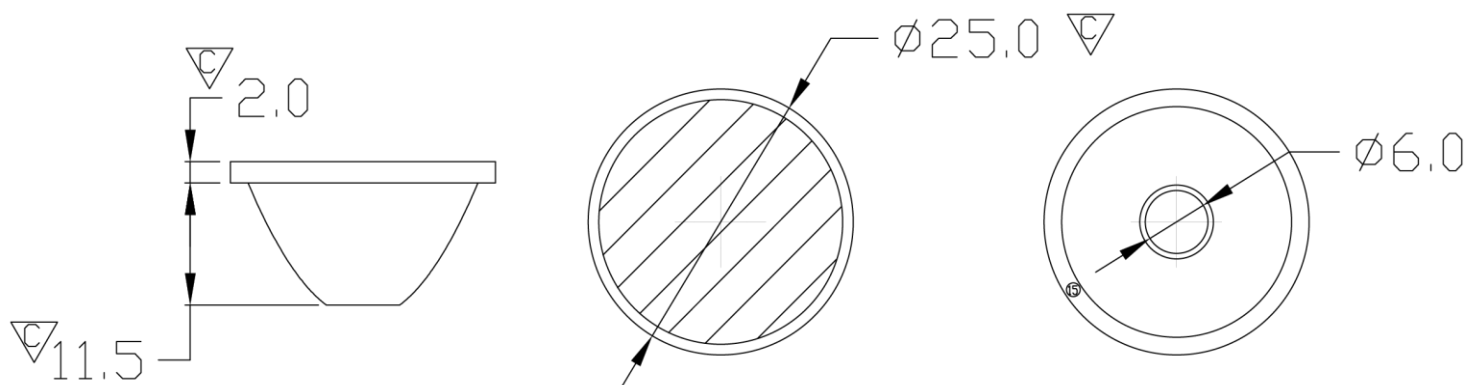


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
MX→Multi 33 in 1
SW→Single Wall Washer
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

- C. Identity Code
- D. Lens / Fixture Size
Ex: 025014=Φ25mm / Thickness=13.5mm (round up)
- C. Serial Numbers

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

✓ Dimensions (mm) : Φ25x13.5



▽:Critical Dimension

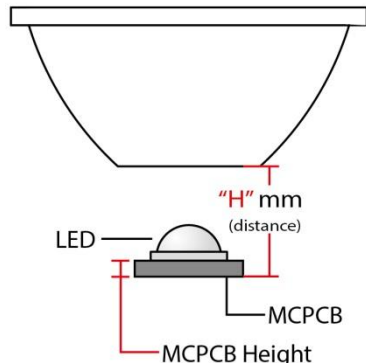


✓ **Optical Characteristics – Angle Performances**

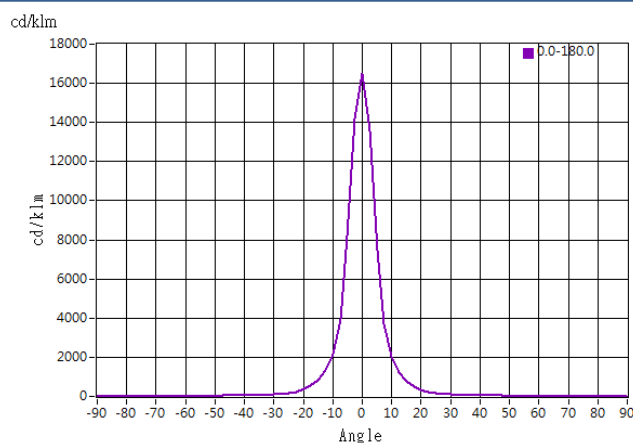
Cree	LED LES (mm)	FWHM (degrees)	Field Angle (degrees)
XD16	1.6 x 1.6	9°	23°
XQ-E HI	1.6 x 1.6	6°	15°
J Series 3030	3.0 x 3.0	17°	40°
XP-E2	3.45 x 3.45	8°	18°
XP-G2	3.45 x 3.45	13°	28°
XP-G3	3.45 x 3.45	13°	28°
XP-L	3.45 x 3.45	15°	32°
XP-L HI	3.45 x 3.45	10°	23°
CMA1303	Φ4.5	18°	54°
CXA1304	Φ6	20°	59°
CXB1304	Φ6	21°	63°
CMA1306	Φ6	22°	66°
CXB1310	Φ6	22°	65°



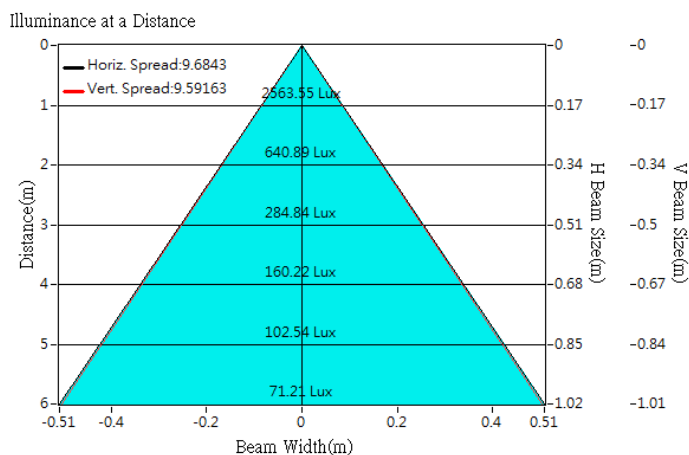
Optical Characteristics

Model Number	CKO-CS18-025014-0901		"H" definition
LED	XD 16		
LES / LED Size	1.6 x 1.6		
FWHM (D50)	9°		
Field Angle (D10)	23°		
H (distance)	0 mm		
Dimension	Φ =25 mm, Thickness=13.5 mm		
Luminous Flux	156 lm	Measured @ 1.0 W	
Material	PC / UL94V2		

cd/klm

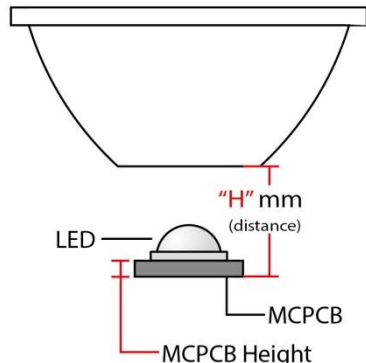


Illuminance At Distances

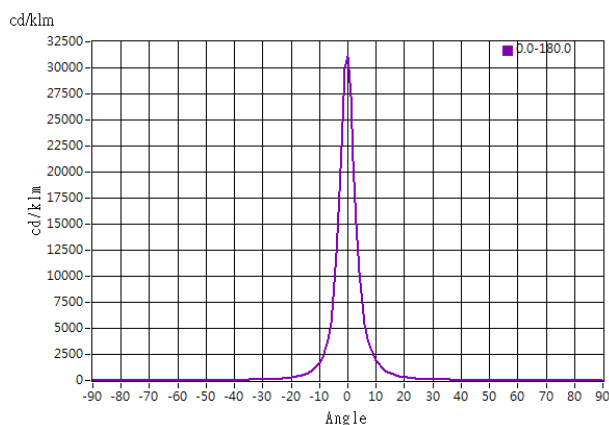




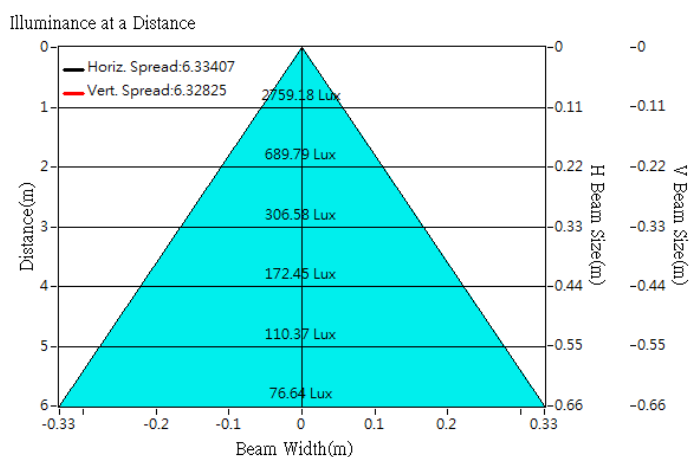
Optical Characteristics

Model Number		CKO-CS18-025014-0901	"H" definition
LED	XQ-E HI		
LES / LED Size	1.6 x 1.6		
FWHM (D50)	6°		
Field Angle (D10)	15°		
H (distance)	0 mm		
Dimension	Φ =25 mm, Thickness=13.5 mm		
Luminous Flux	89 lm	Measured @ 1.1 W	
Material	PC / UL94V2		

cd/klm

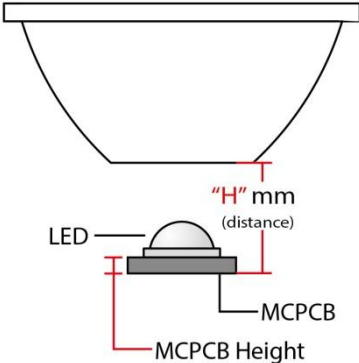


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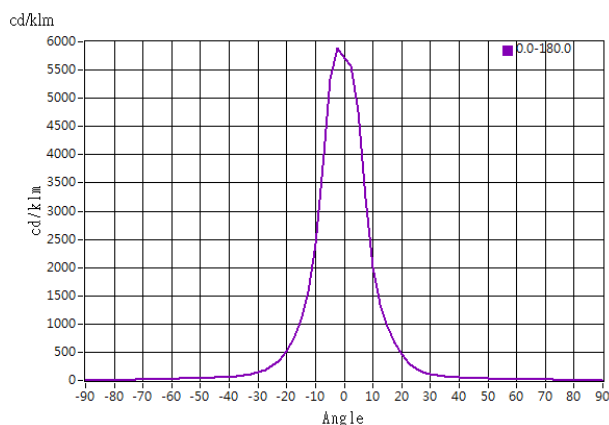




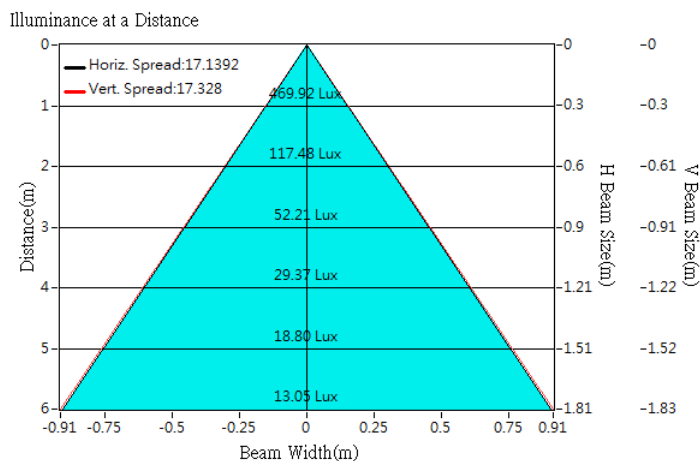
Optical Characteristics

Model Number	CKO-CS18-025014-0901		"H" definition 
LED	Cree J Series 3030		
LES / LED Size	3.0 x 3.0		
FWHM (D50)	17°		
Field Angle (D10)	40°		
H (distance)	0 mm		
Dimension	Φ =25 mm, Thickness=13.5 mm		
Luminous Flux	82 lm	Measured @ 0.5 W	
Material	PC / UL94V2		

cd/klm

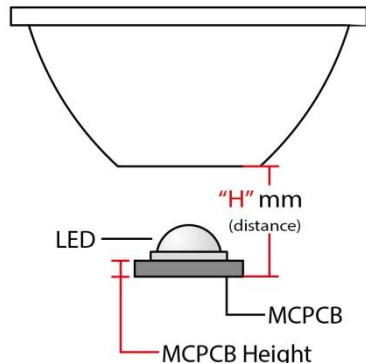


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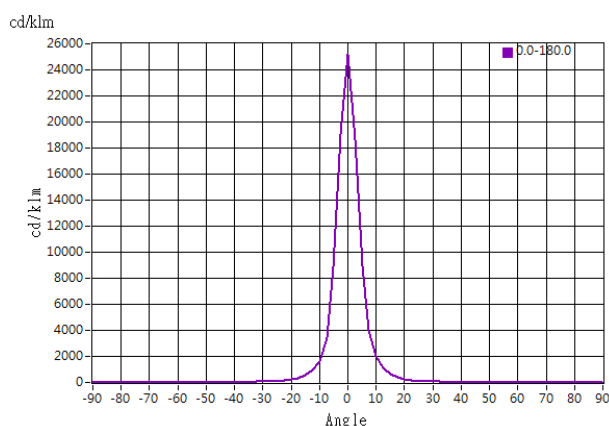




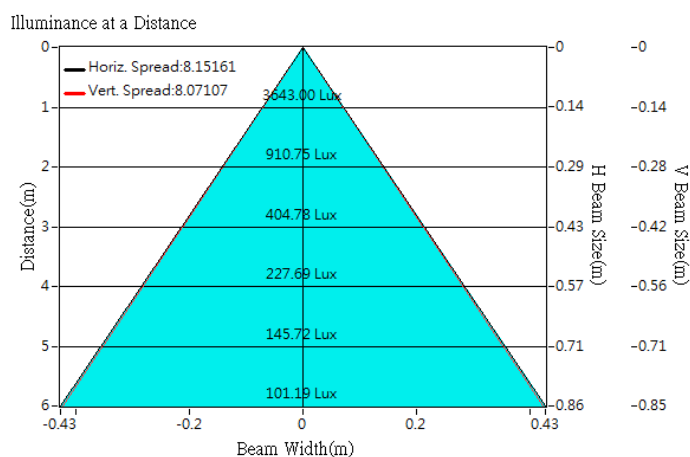
Optical Characteristics

Model Number		CKO-CS18-025014-0901	"H" definition
LED	XP-E2		
LES / LED Size	3.45 x 3.45		
FWHM (D50)	8°		
Field Angle (D10)	18°		
H (distance)	0 mm		
Dimension	Φ =25 mm, Thickness=13.5 mm		
Luminous Flux	145 lm	Measured @ 1.1 W	
Material	PC / UL94V2		

cd/klm

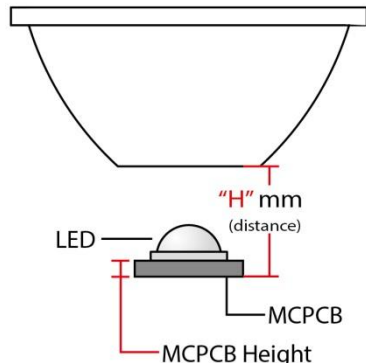


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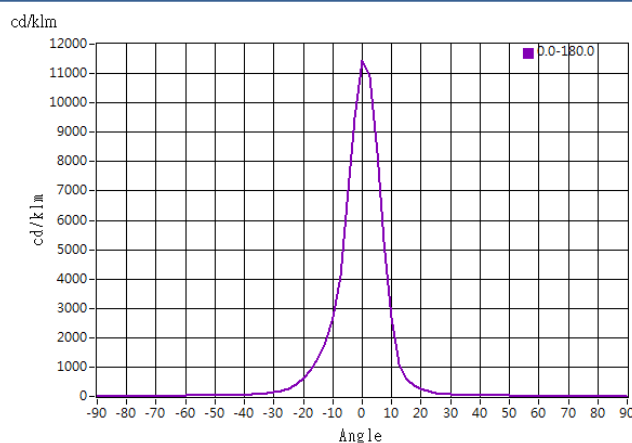




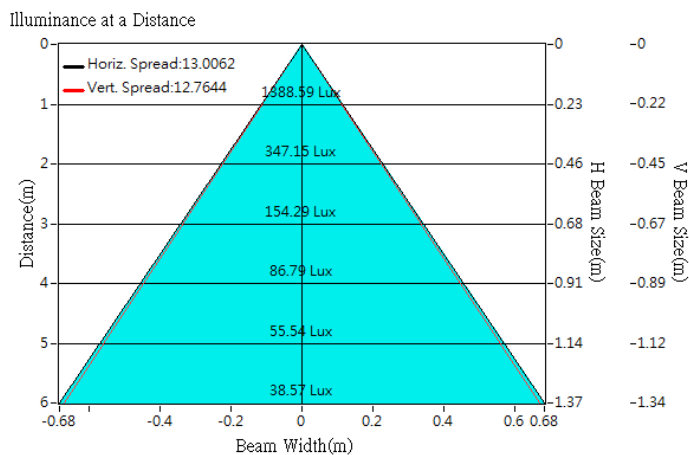
Optical Characteristics

Model Number	CKO-CS18-025014-0901		"H" definition 
LED	XP-G2		
LES / LED Size	3.45 x 3.45		
FWHM (D50)	13°		
Field Angle (D10)	28°		
H (distance)	0 mm		
Dimension	Φ =25 mm, Thickness=13.5 mm		
Luminous Flux	121 lm	Measured @ 1.0 W	
Material	PC / UL94V2		

cd/klm

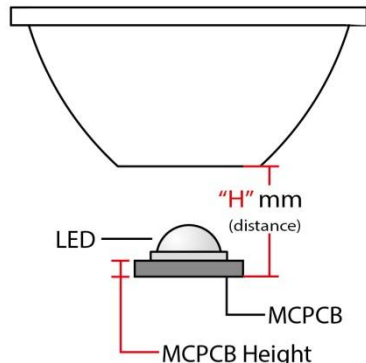


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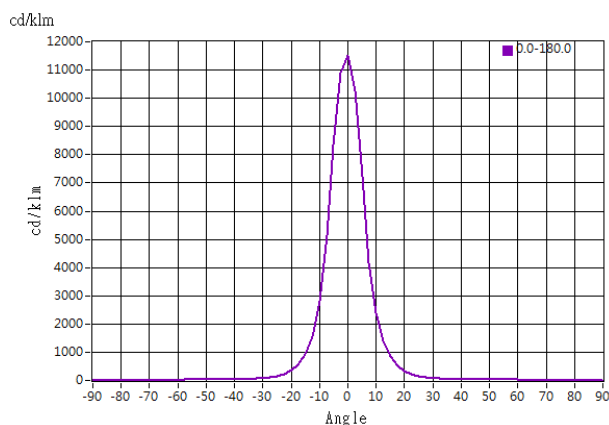




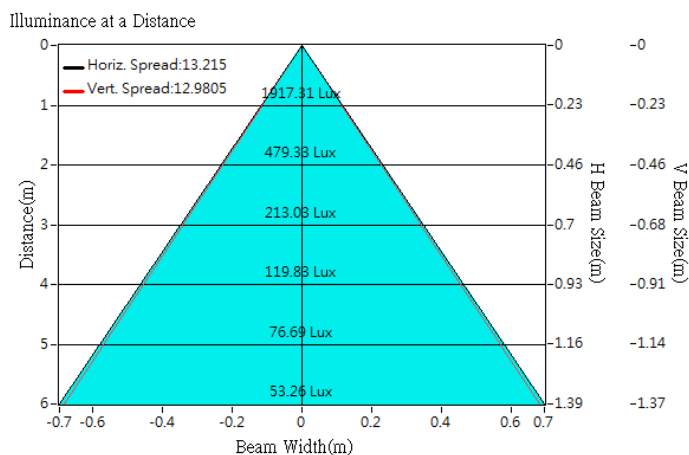
Optical Characteristics

Model Number	CKO-CS18-025014-0901		
LED	XP-G3		
LES / LED Size	3.45 x 3.45		
FWHM (D50)	13°		
Field Angle (D10)	28°		
H (distance)	0 mm		
Dimension	Φ =25 mm, Thickness=13.5 mm		
Luminous Flux	167 lm	Measured @ 1.1 W	
Material	PC / UL94V2		

cd/klm

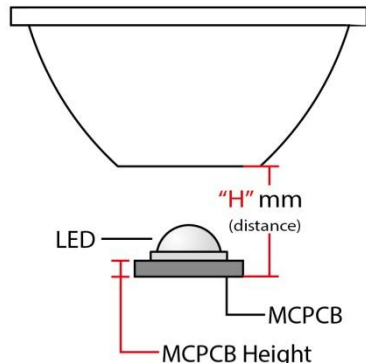


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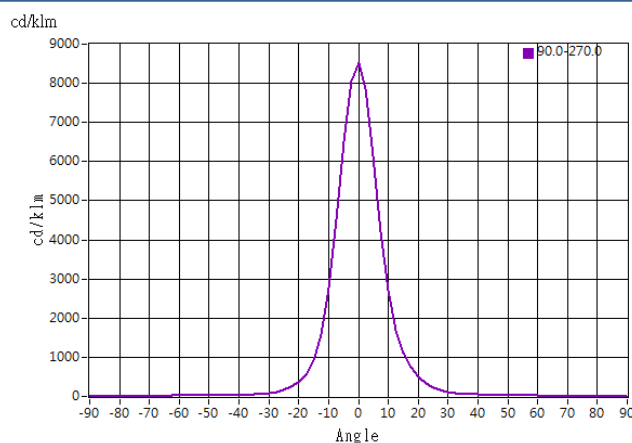




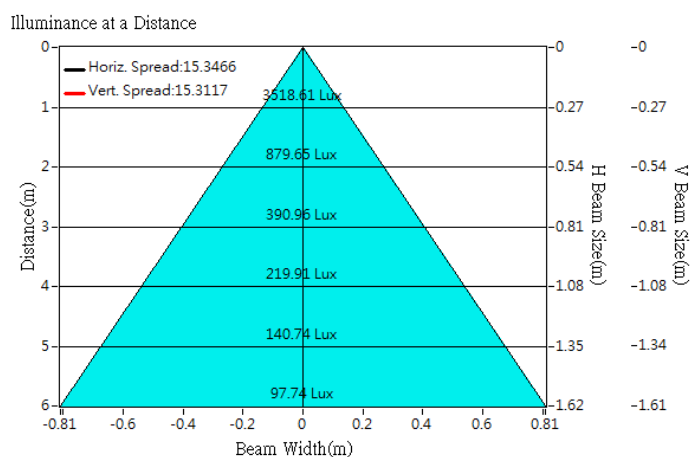
Optical Characteristics

Model Number		CKO-CS18-025014-0901		"H" definition
LED	XP-L HD			
LES / LED Size	3.45 x 3.45			
FWHM (D50)	15°			
Field Angle (D10)	32°			
H (distance)	0 mm			
Dimension	Φ =25 mm, Thickness=13.5 mm			
Luminous Flux	413 lm	Measured @ 3.66 W		
Material	PC / UL94V2			

cd/klm

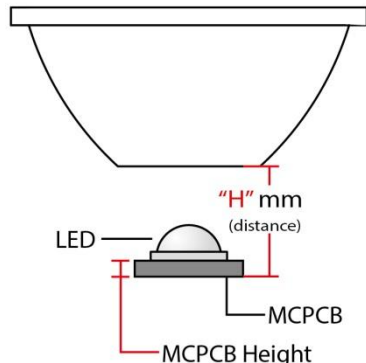


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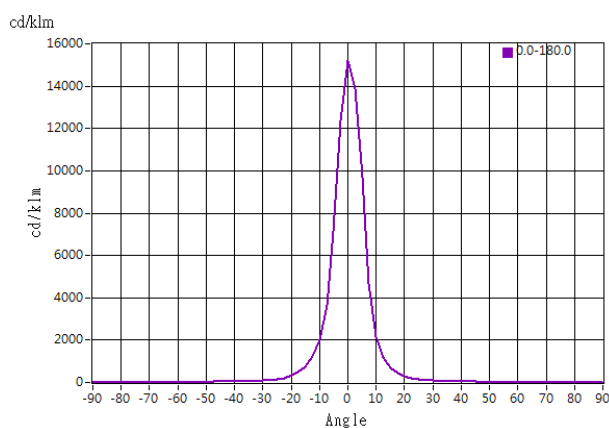




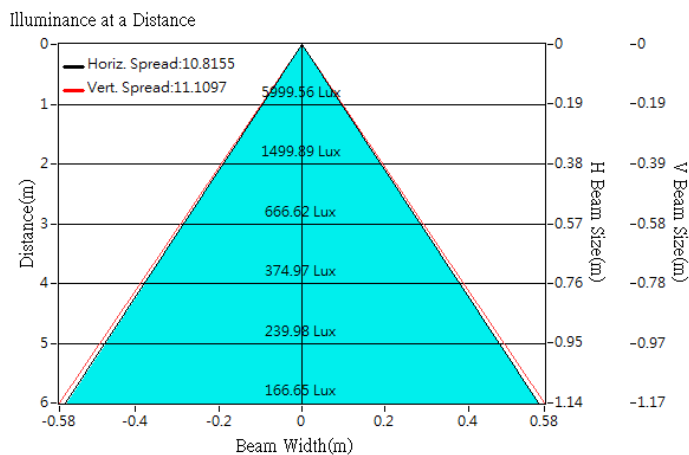
Optical Characteristics

Model Number	CKO-CS18-025014-0901		
LED	XP-L HI		
LES / LED Size	3.45 x 3.45		
FWHM (D50)	10°		
Field Angle (D10)	23°		
H (distance)	0 mm		
Dimension	Φ =25 mm, Thickness=13.5 mm		
Luminous Flux	394 lm	Measured @ 3.5 W	
Material	PC / UL94V2		

cd/klm

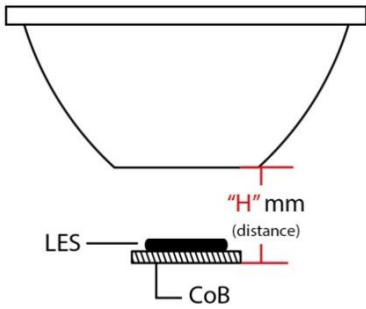


Illuminance At Distances

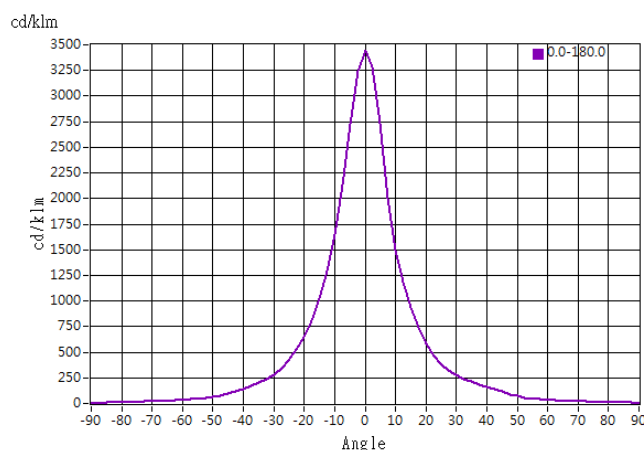




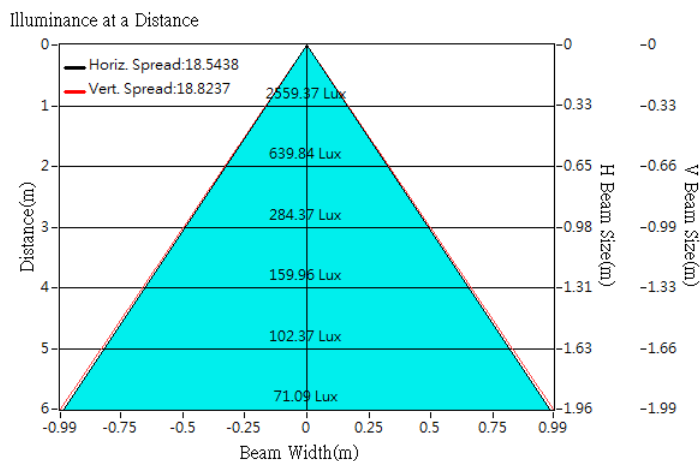
Optical Characteristics

Model Number	CKO-CS18-025014-0901		“H” definition 
LED	CMA1303		
LES / LED Size	Φ 4.5 mm		
FWHM (D50)	18°		
Field Angle (D10)	54°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	743 lm	Measured @ 6.7 W	
Material	PC / UL94V2		

cd/klm

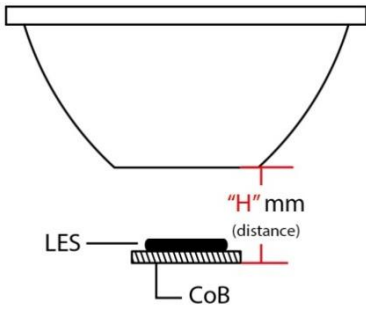


Illuminance At Distances

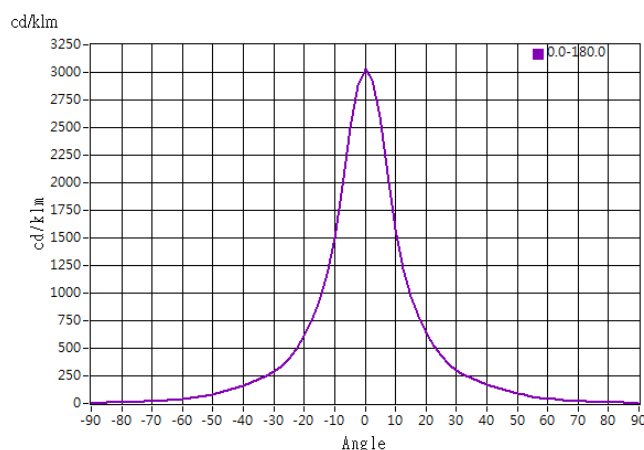




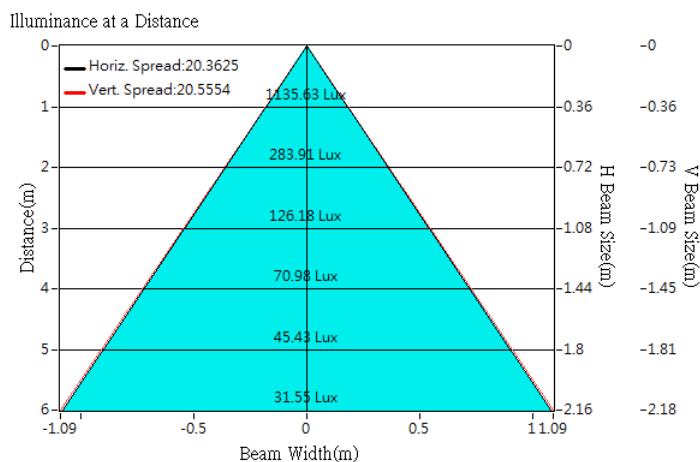
Optical Characteristics

Model Number		CKO-CS18-025014-0901	"H" definition
LED	CXA1304		
LES / LED Size	Φ 6 mm		
FWHM (D50)	20°		
Field Angle (D10)	59°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	375 lm	Measured @ 3.6 W	
Material	PC / UL94V2		

cd/klm

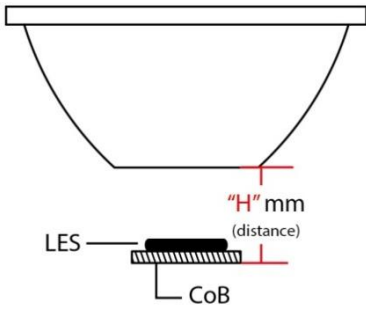


Illuminance At Distances

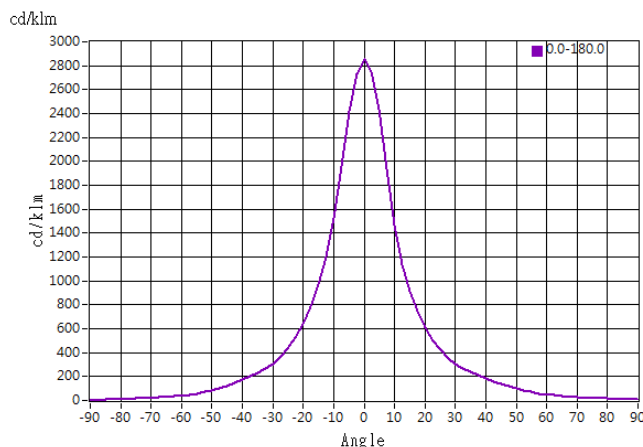




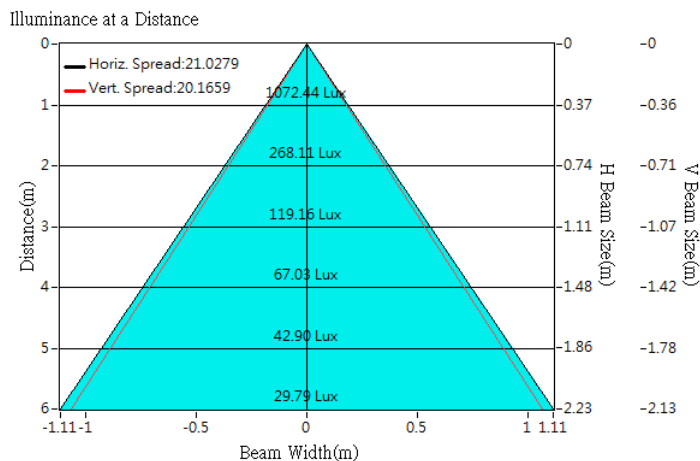
Optical Characteristics

Model Number		CKO-CS18-025014-0901		"H" definition
LED	CXB1304			
LES / LED Size	Φ 6 mm			
FWHM (D50)	21°			
Field Angle (D10)	63°			
H (distance)	2.5mm			
Dimension	Φ =45 mm, Thickness=20.9 mm			
Luminous Flux	375 lm	Measured @ 3.5 W		
Material	PC / UL94V2			

cd/klm

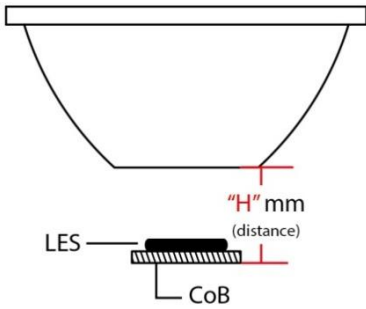


Illuminance At Distances

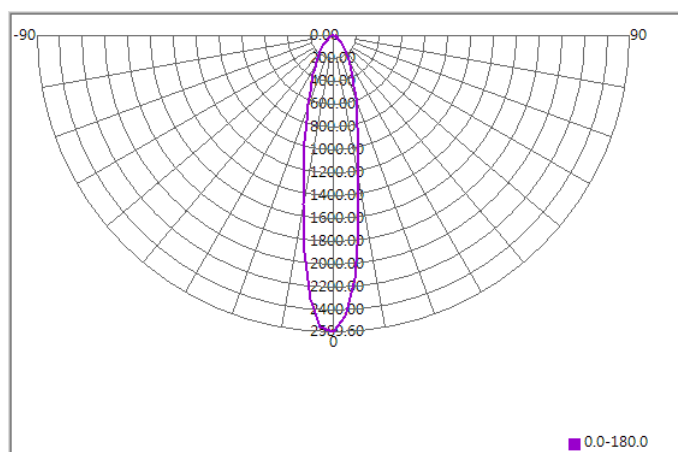




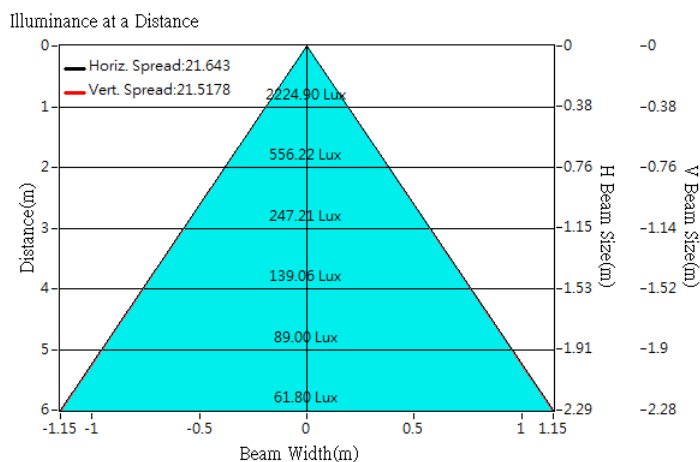
Optical Characteristics

Model Number		CKO-CS18-025014-0901	"H" definition
LED	CMA1306		
LES / LED Size	Φ 6 mm		
FWHM (D50)	22°		
Field Angle (D10)	66°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	859 lm	Measured @ 7.3 W	
Material	PC / UL94V2		

cd/klm

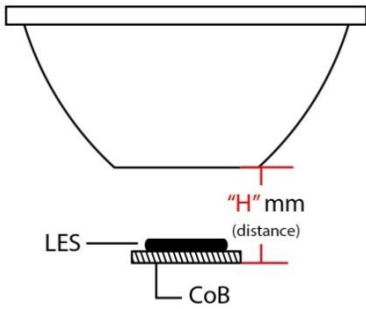


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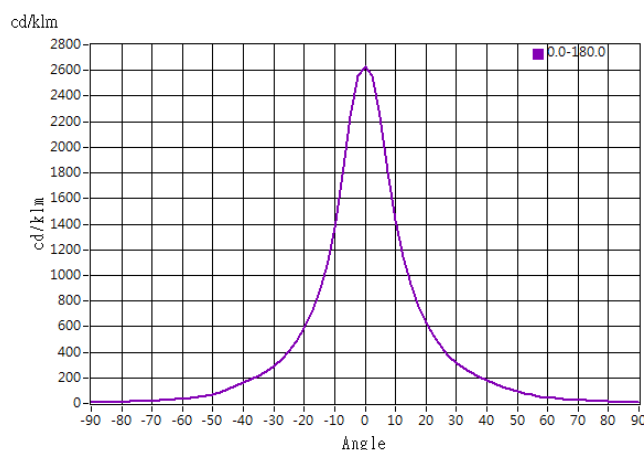




Optical Characteristics

Model Number	CKO-CS18-025014-0901		
LED	CXB1310		
LES / LED Size	Φ 6 mm		
FWHM (D50)	22°		
Field Angle (D10)	65°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	1304 lm	Measured @ 12.1 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

