



Product Model Number

CKO-CH17-092050-0701

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

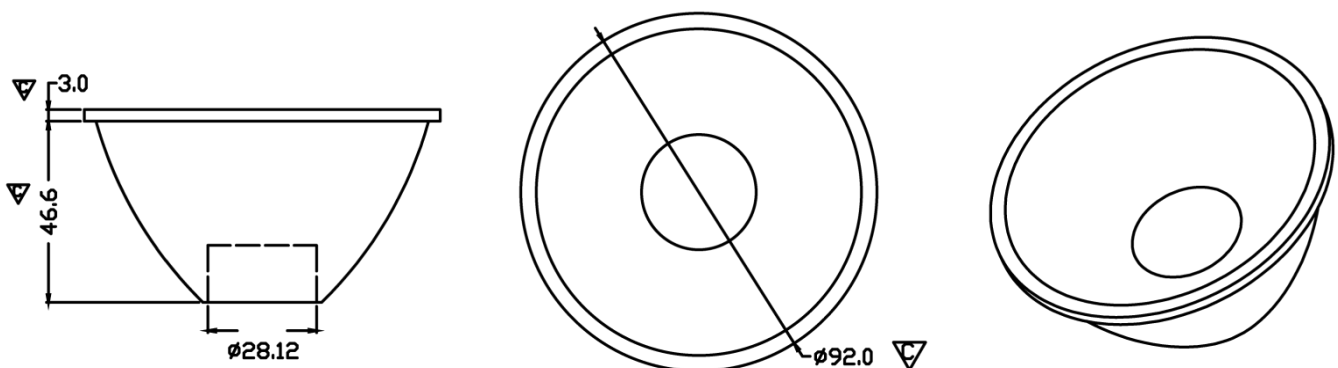


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

- 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) : Φ 92 x 49.6



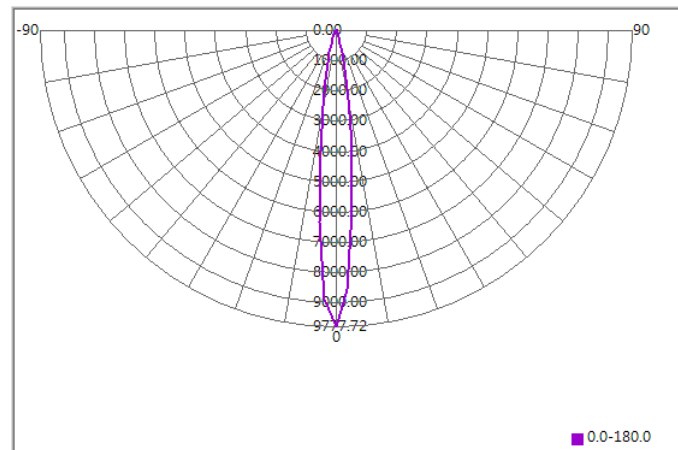
▽:Critical Dimension



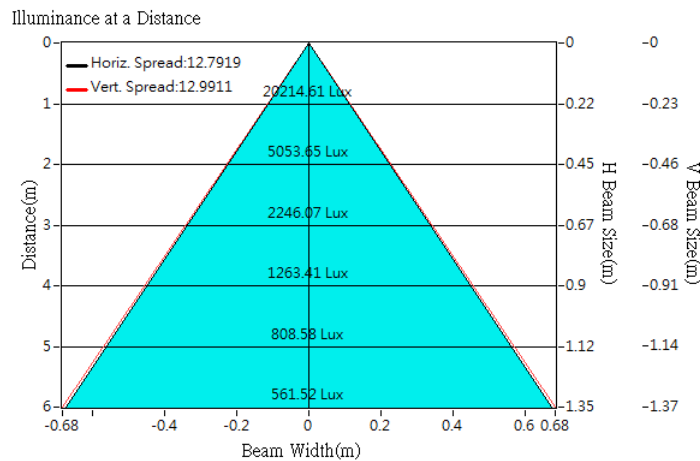
Optical Characteristics

Model Number	CKO-CH17-092050-0701	<p>"H" definition</p> <p>LES CoB</p>
LED	CXA1820	
LES / LED Size	Φ 12 mm	
FWHM (D50)	12°	
Field Angle (D10)	30°	
H (distance)	3.65 mm	
Dimension	Φ =92 mm, Thickness=49.6 mm	
Luminous Flux	2067 lm	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

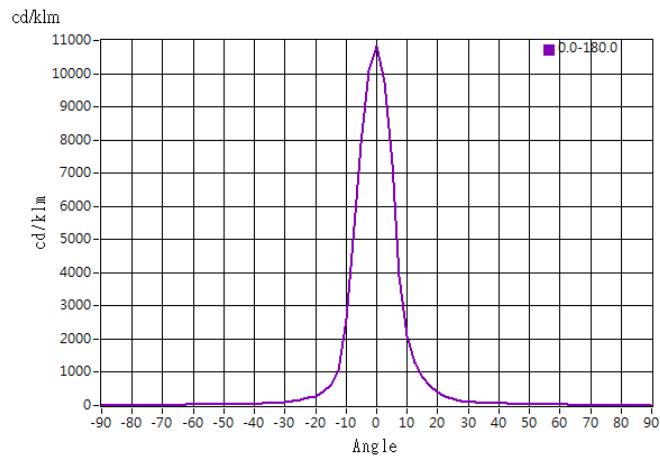




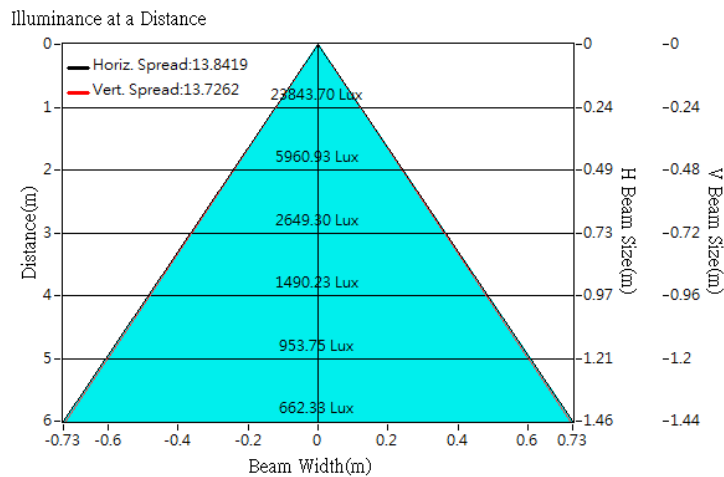
Optical Characteristics

Model Number	CKO-CH17-092050-0701		<p>"H" definition</p>
LED	CXB1820		
LES / LED Size	Φ 12 mm		
FWHM (D50)	13°		
Field Angle (D10)	26°		
H (distance)	3.65 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	2204 lm	Measured @ 19.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

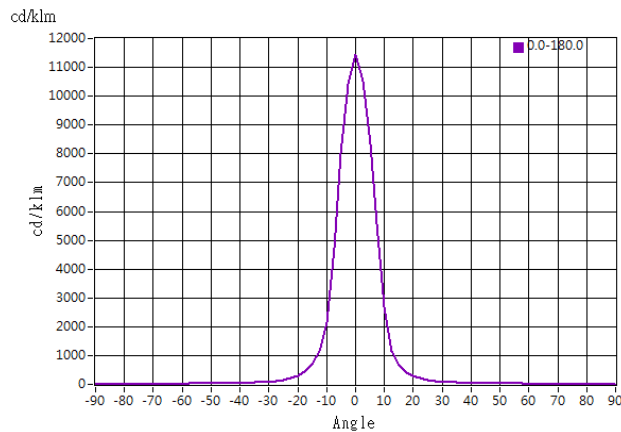




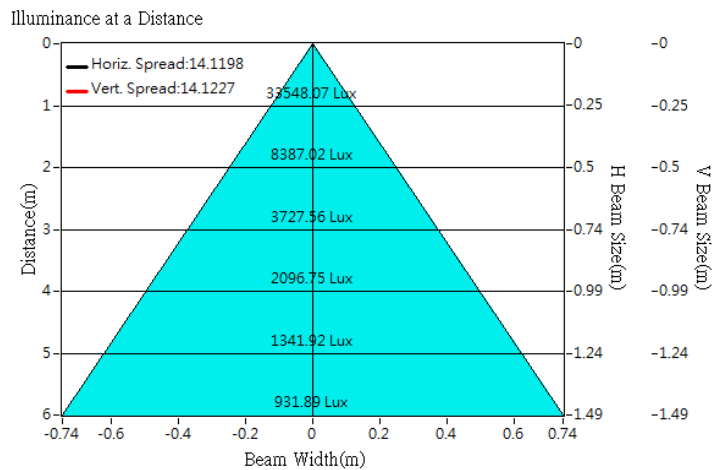
Optical Characteristics

Model Number	CKO-CH17-092050-0701		<p>"H" definition</p>
LED	CMA1825		
LES / LED Size	Φ 12 mm		
FWHM (D50)	14°		
Field Angle (D10)	25°		
H (distance)	3.65 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	2935 lm	Measured @ 24.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

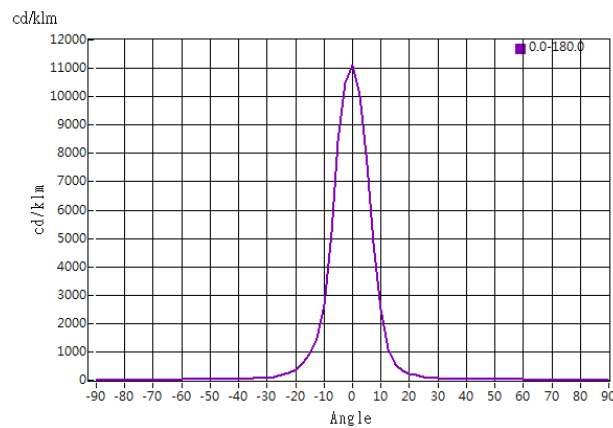




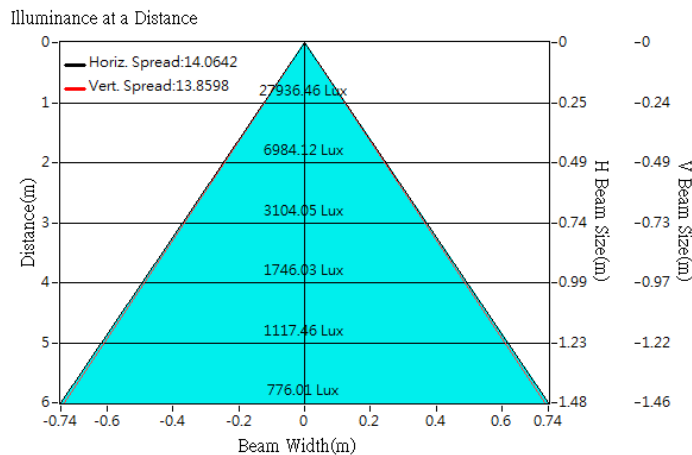
Optical Characteristics

Model Number	CKO-CH17-092050-0701		<p>"H" definition</p>
LED	CXA1830		
LES / LED Size	Φ 14 mm		
FWHM (D50)	14°		
Field Angle (D10)	27°		
H (distance)	3.65 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	2513 lm	Measured @ 29.6 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

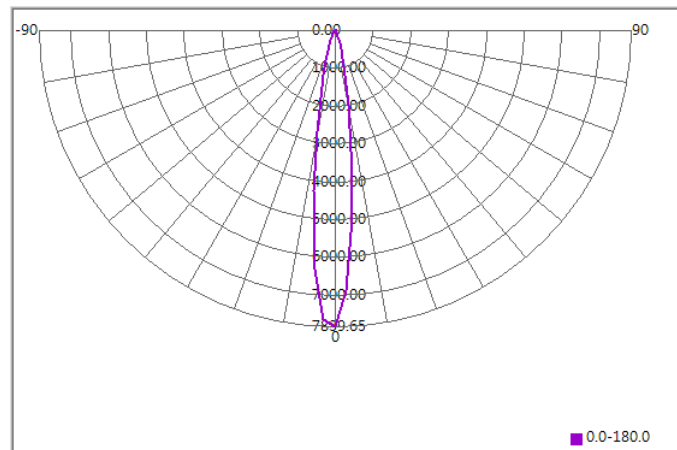




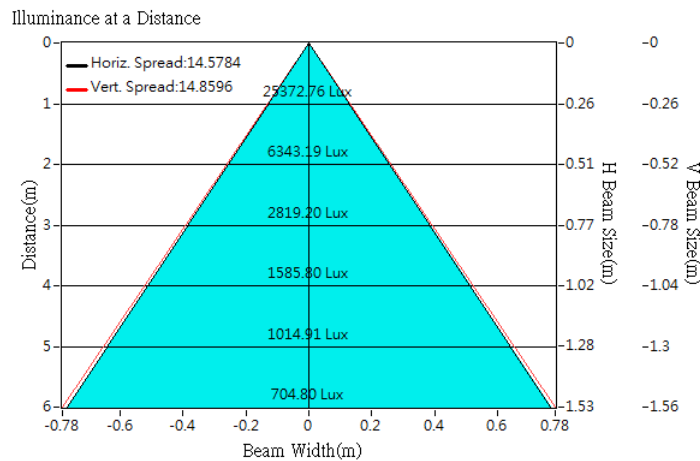
Optical Characteristics

Model Number	CKO-CH17-092050-0701		<p>"H" definition</p> <p>LES CoB</p>
LED	CXB1830		
LES / LED Size	Φ 14 mm		
FWHM (D50)	14°		
Field Angle (D10)	33°		
H (distance)	3.65 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	3236 lm	Measured @ 28.2 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

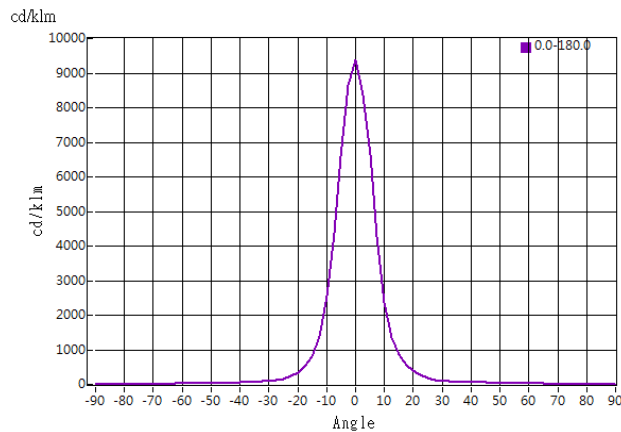




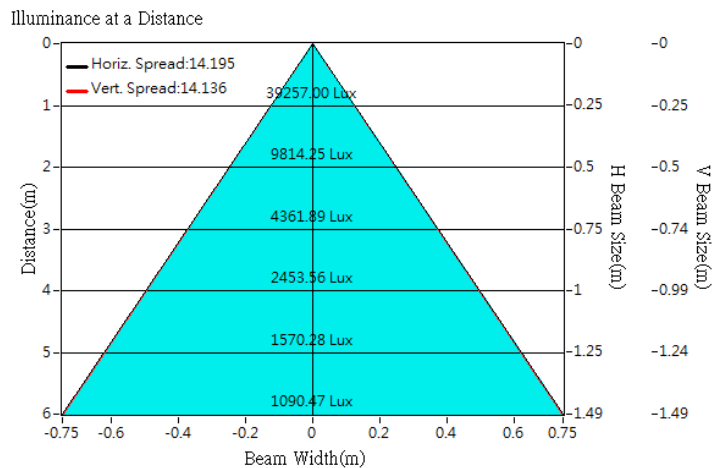
Optical Characteristics

Model Number	CKO-CH17-092050-0701		<p>"H" definition</p>
LED	CMA1840		
LES / LED Size	Φ 14 mm		
FWHM (D50)	14°		
Field Angle (D10)	29°		
H (distance)	3.65 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	4182 lm	Measured @ 40.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

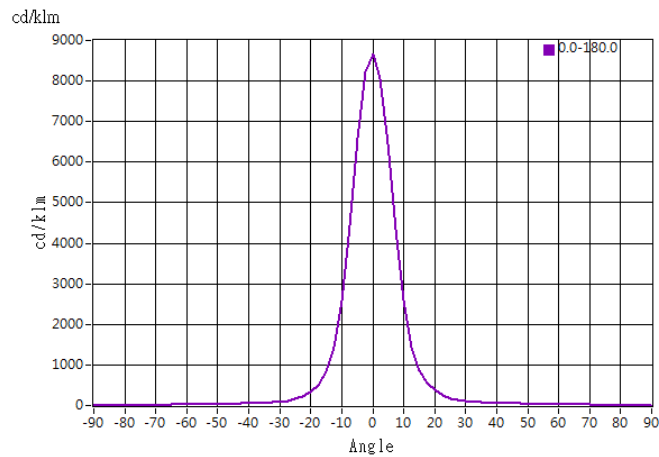




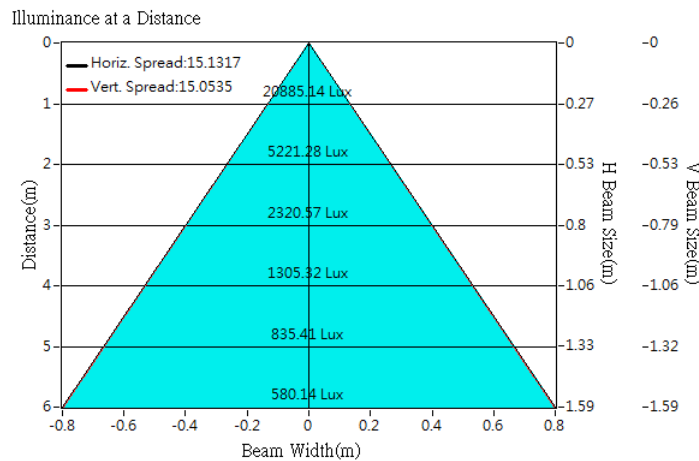
Optical Characteristics

Model Number	CKO-CH17-092050-0701		<p>"H" definition</p>
LED	CMT1922		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	15°		
Field Angle (D10)	30°		
H (distance)	3.65 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	2406 lm	Measured @ 21.8 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

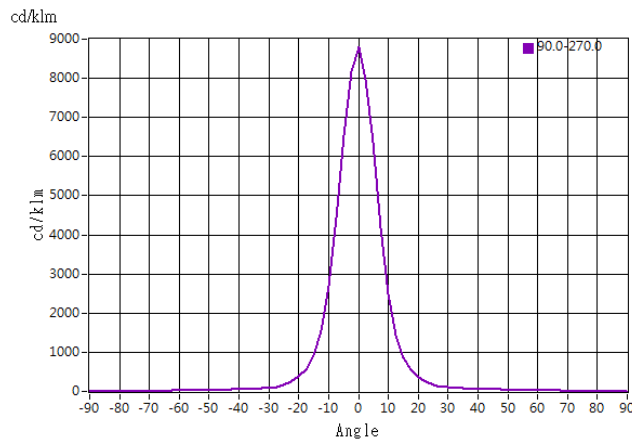




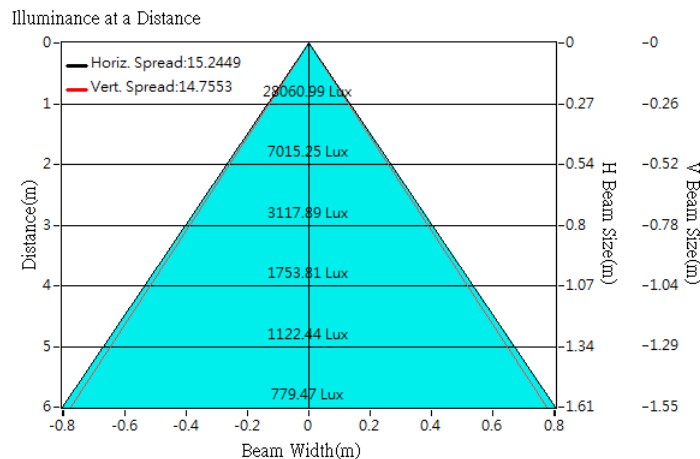
Optical Characteristics

Model Number	CKO-CH17-092050-0701	<p>"H" definition</p>
LED	CMT1930	
LES / LED Size	Φ 14.5 mm	
FWHM (D50)	15°	
Field Angle (D10)	31°	
H (distance)	3.65 mm	
Dimension	Φ =92 mm, Thickness=49.6 mm	
Luminous Flux	3183 lm	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

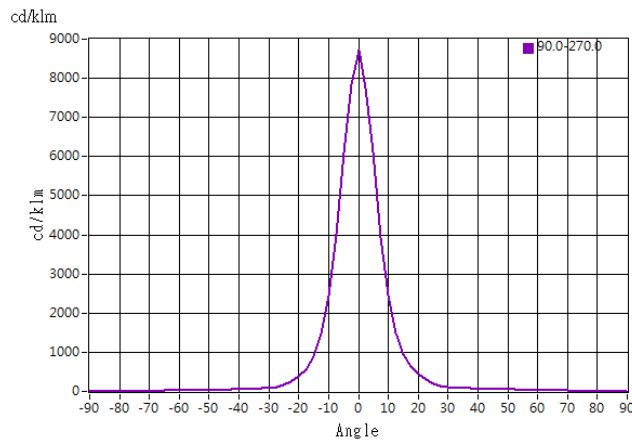




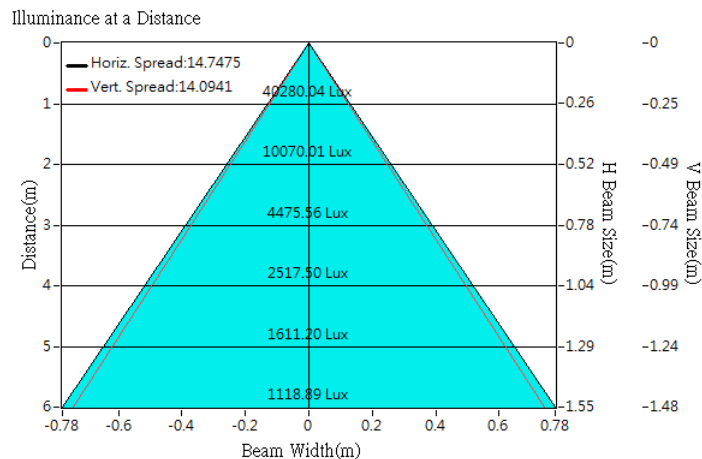
Optical Characteristics

Model Number	CKO-CH17-092050-0701	<p>"H" definition</p>
LED	CMT1945	
LES / LED Size	Φ 14.5 mm	
FWHM (D50)	14°	
Field Angle (D10)	31°	
H (distance)	3.65 mm	
Dimension	Φ =92 mm, Thickness=49.6 mm	
Luminous Flux	4612 lm	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

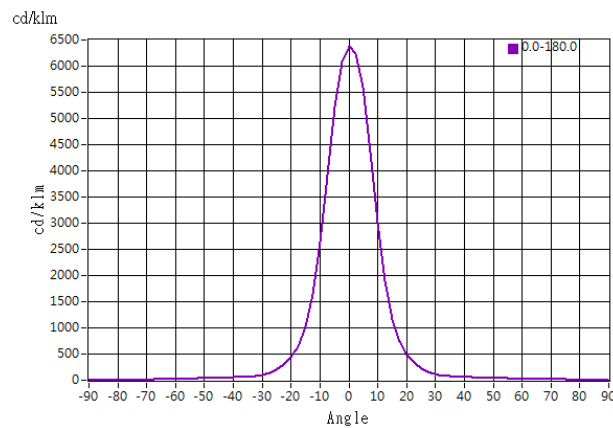




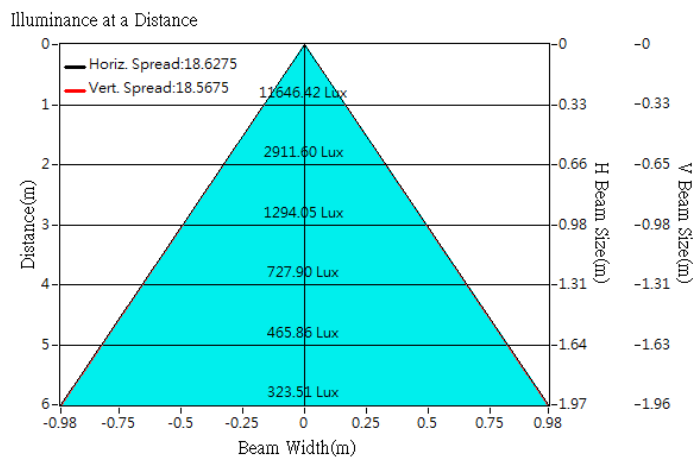
Optical Characteristics

Model Number	CKO-CH17-092050-0701		<p>"H" definition</p>
LED	CXA2520		
LES / LED Size	Φ 19 mm		
FWHM (D50)	18°		
Field Angle (D10)	36°		
H (distance)	3.65 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	1828 lm	Measured @ 20.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

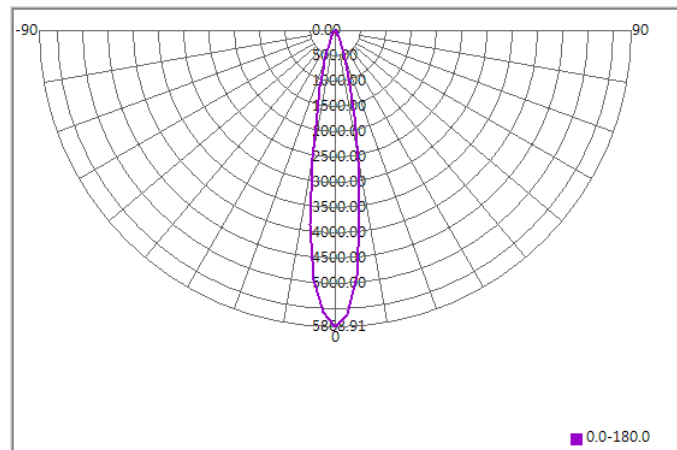




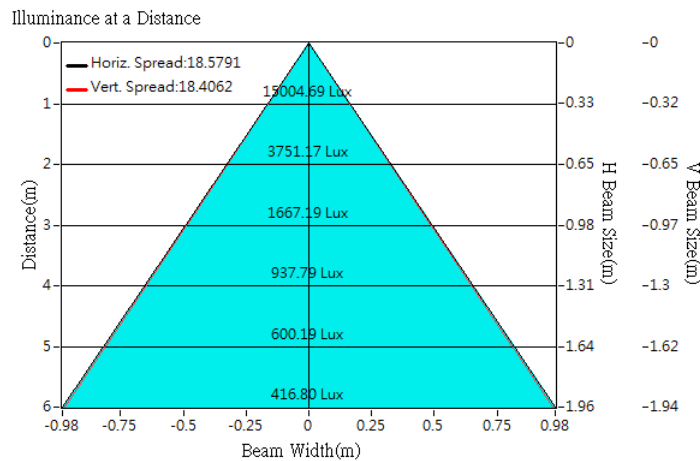
Optical Characteristics

Model Number	CKO-CH17-092050-0701	<p>"H" definition</p>
LED	CXA2530	
LES / LED Size	Φ 19 mm	
FWHM (D50)	18°	
Field Angle (D10)	39°	
H (distance)	3.65 mm	
Dimension	Φ =92 mm, Thickness=49.6 mm	
Luminous Flux	2556 lm	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

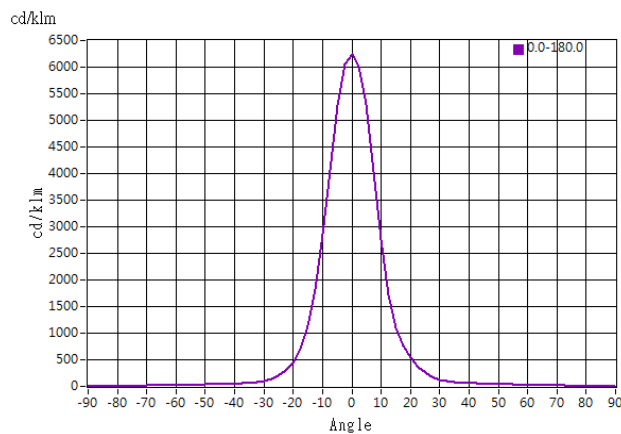




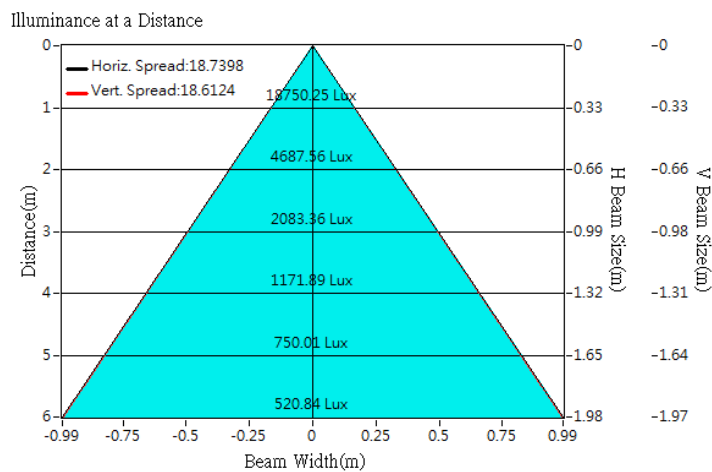
Optical Characteristics

Model Number	CKO-CH17-092050-0701		<p>"H" definition</p>
LED	CXB2530		
LES / LED Size	Φ 19 mm		
FWHM (D50)	18°		
Field Angle (D10)	37°		
H (distance)	3.65 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	3007 lm	Measured @ 28.1 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

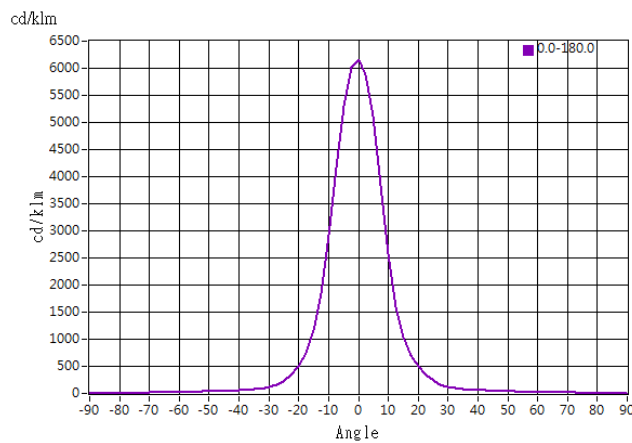




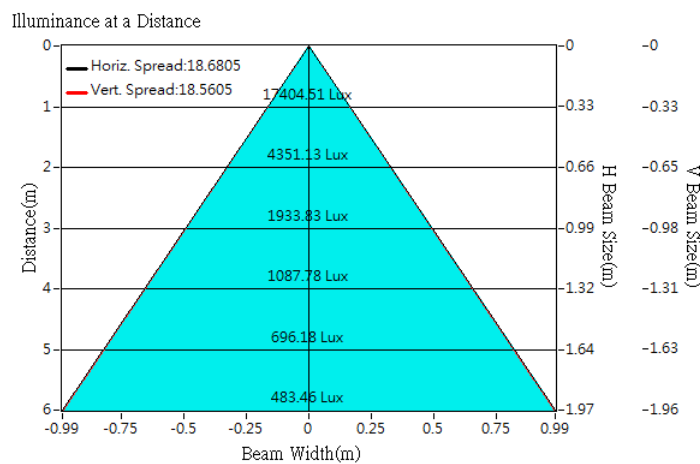
Optical Characteristics

Model Number	CKO-CH17-092050-0701	<p>"H" definition</p>
LED	CXA2540	
LES / LED Size	Φ 19 mm	
FWHM (D50)	18°	
Field Angle (D10)	36°	
H (distance)	3.65 mm	
Dimension	Φ =92 mm, Thickness=49.6 mm	
Luminous Flux	2827 lm	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

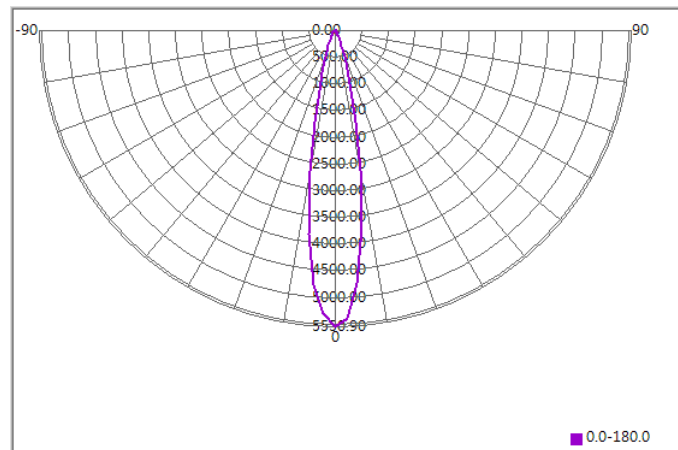




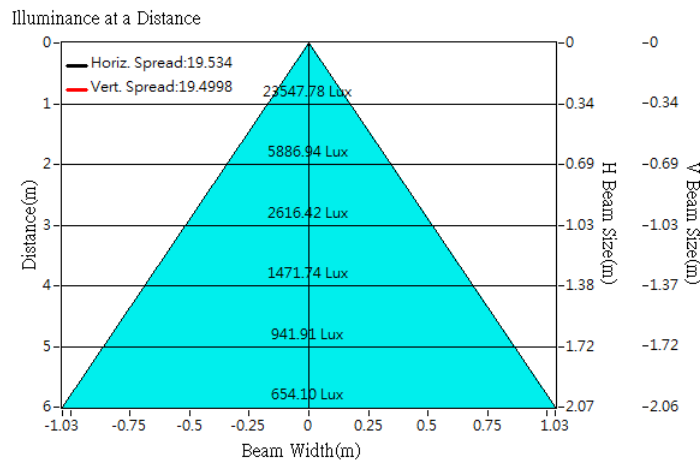
Optical Characteristics

Model Number	CKO-CH17-092050-0701	<p>"H" definition</p> <p>LES CoB</p>
LED	CXB2540	
LES / LED Size	Φ 19 mm	
FWHM (D50)	19°	
Field Angle (D10)	40°	
H (distance)	3.65 mm	
Dimension	Φ =92 mm, Thickness=49.6 mm	
Luminous Flux	4242 lm	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

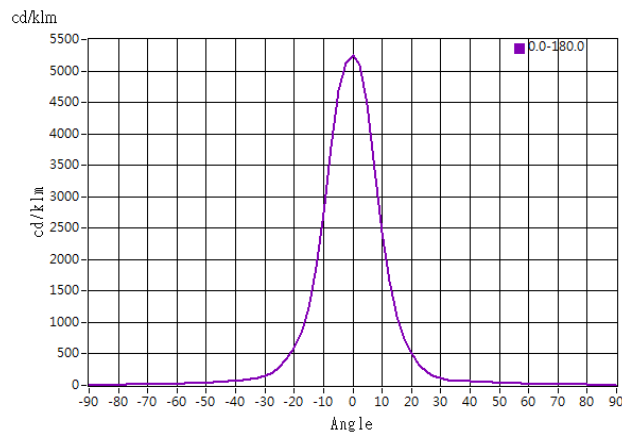




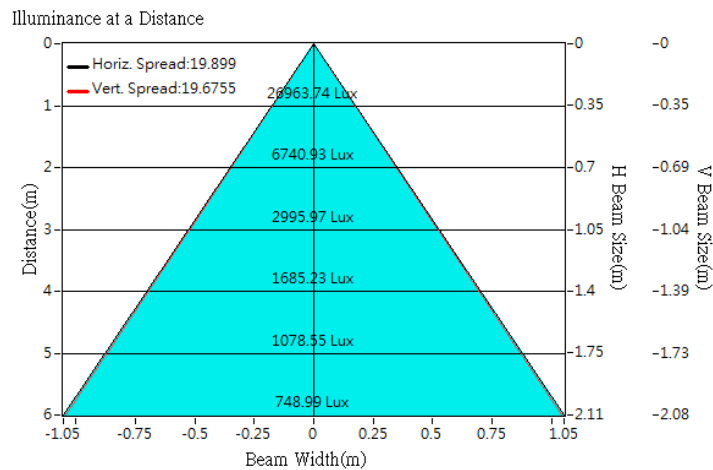
Optical Characteristics

Model Number	CKO-CH17-092050-0701		<p>"H" definition</p>
LED	CMA2550		
LES / LED Size	Φ 19 mm		
FWHM (D50)	19°		
Field Angle (D10)	41°		
H (distance)	3.65 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	5146 lm	Measured @ 42.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

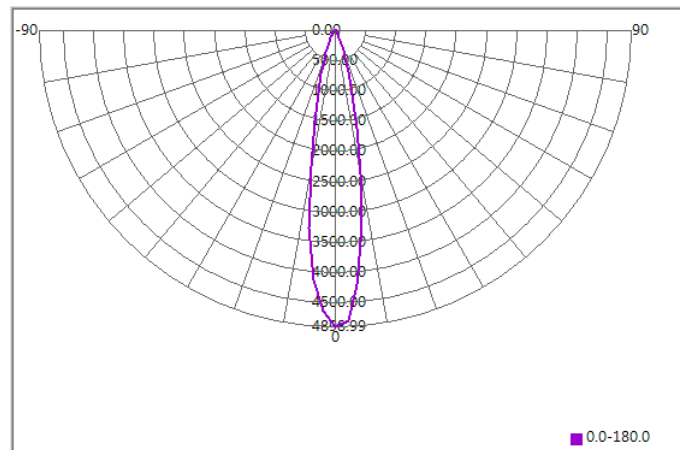




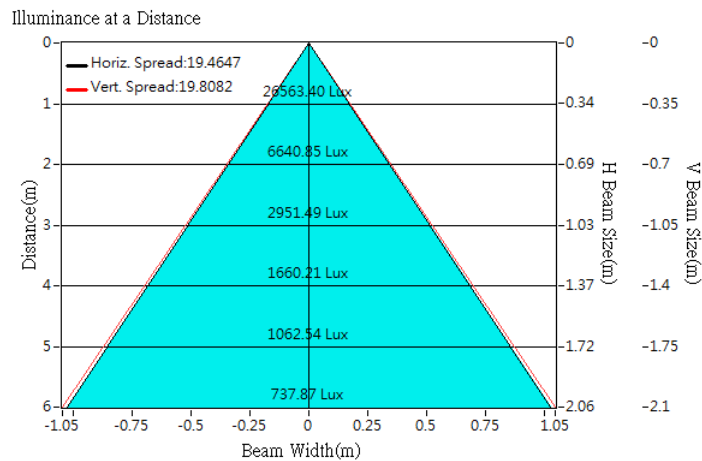
Optical Characteristics

Model Number	CKO-CH17-092050-0701	<p>"H" definition</p> <p>LES CoB</p>
LED	CMT2850	
LES / LED Size	Φ 23 mm	
FWHM (D50)	19°	
Field Angle (D10)	41°	
H (distance)	3.65 mm	
Dimension	Φ =92 mm, Thickness=49.6 mm	
Luminous Flux	5422 lm	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

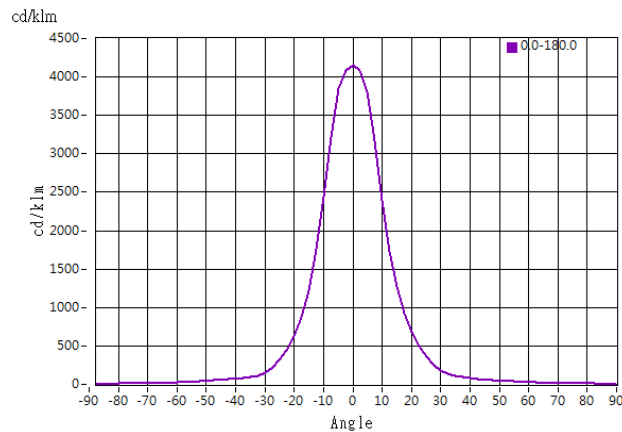




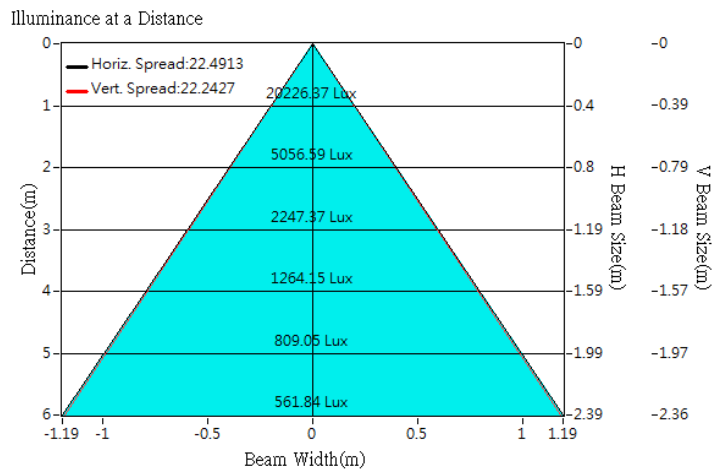
Optical Characteristics

Model Number	CKO-CH17-092050-0701		<p>"H" definition</p>
LED	CXA3050		
LES / LED Size	Φ 23 mm		
FWHM (D50)	22°		
Field Angle (D10)	47°		
H (distance)	3.65 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	4863 lm	Measured @ 51.8 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

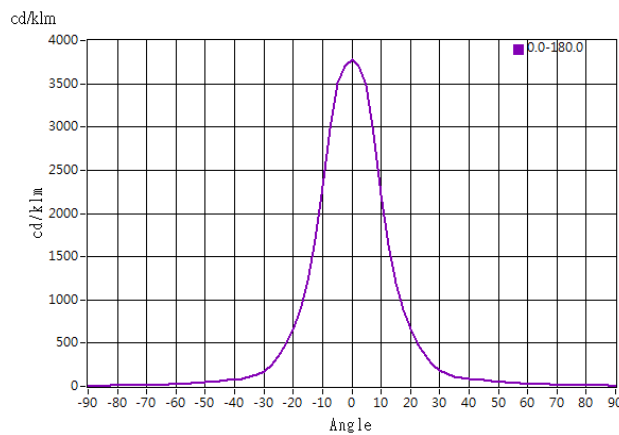




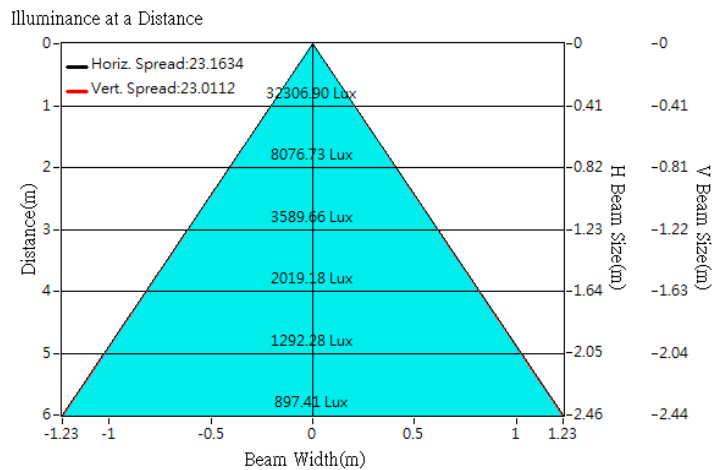
Optical Characteristics

Model Number	CKO-CH17-092050-0701		<p>"H" definition</p>
LED	CMA3090		
LES / LED Size	Φ 23 mm		
FWHM (D50)	23°		
Field Angle (D10)	49°		
H (distance)	3.65 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	8564 lm	Measured @ 69 W	
Material	PC / UL94V2		

cd/klm

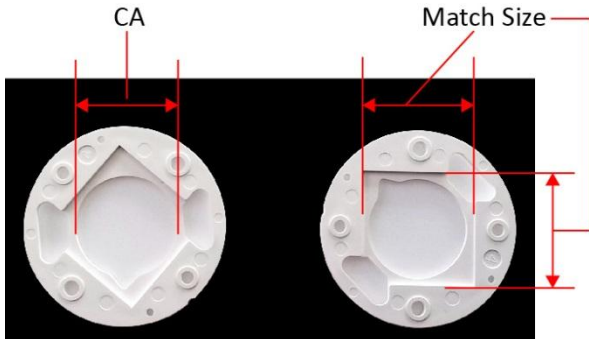


Illuminance At Distances





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