



Product Model Number

CKO-CH17-045026-0401

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

(A)

(B)

(C)

(D)

(E)

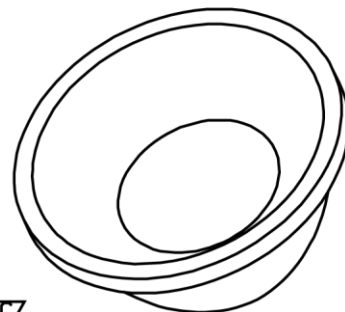
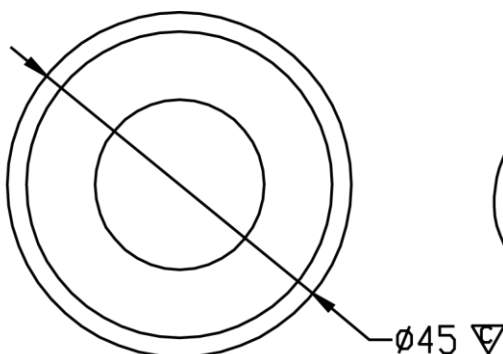
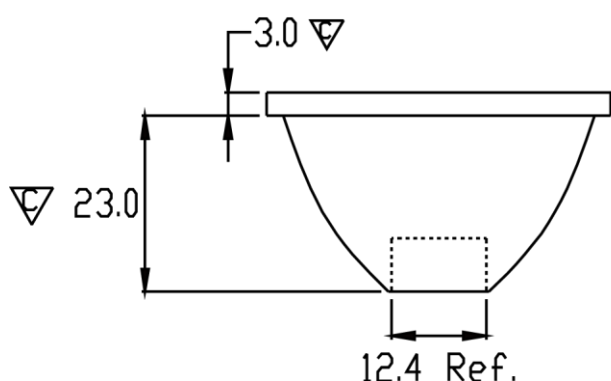


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

- 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 45 x 26



▽:Critical Dimension

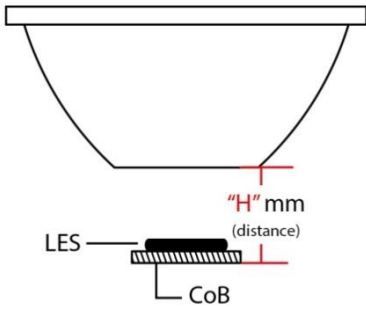


✓ Optical Characteristics – Angle Performances

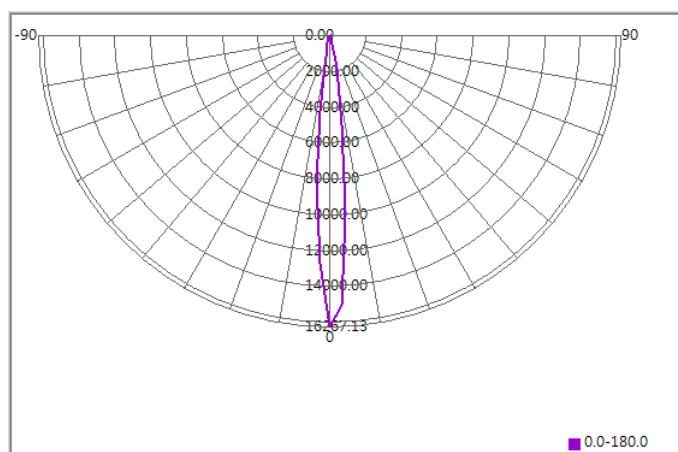
Cree	LED LES (mm)	FWHM (degrees)	Field Angle (degrees)
CMA1303	Φ4.5	12°	27°
CXA1304	Φ6	12°	26°
CXB1304	Φ6	11°	28°
CMA1306	Φ6	13°	31°
CXB1310	Φ6	12°	28°
CXA1507	Φ9	16°	38°
CXB1507	Φ9	17°	40°
CXA1510	Φ9	16°	39°
CXA1512	Φ9	15°	39°
CXB1512	Φ9	17°	39°
CMA1516	Φ9	17°	40°
CXB1520	Φ9	18°	42°
CMT1407	Φ9.8	17°	41°
CMT1412	Φ9.8	17°	42°
CMT1420	Φ9.8	18°	43°



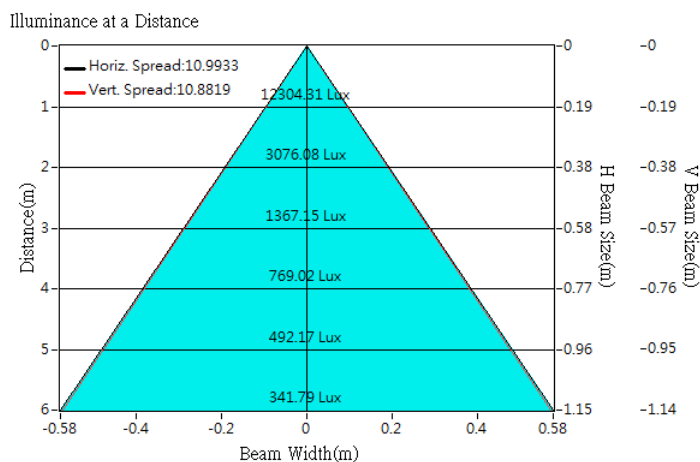
Optical Characteristics

Model Number	CKO-CH17-045026-0401		
LED	CMA1303		
LES / LED Size	Φ 4.5 mm		
FWHM (D50)	12°		
Field Angle (D10)	27°		
H (distance)	2.5 mm		
Dimension	Φ =45 mm, Thickness=26 mm		
Luminous Flux	756 lm	Measured @ 6.7 W	
Material	PC / UL94V2		

cd/klm

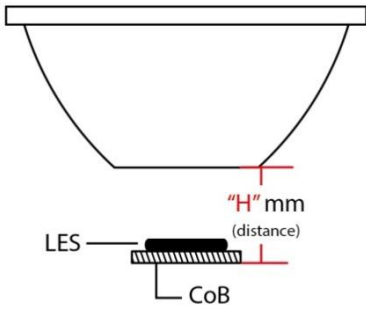


Illuminance At Distances

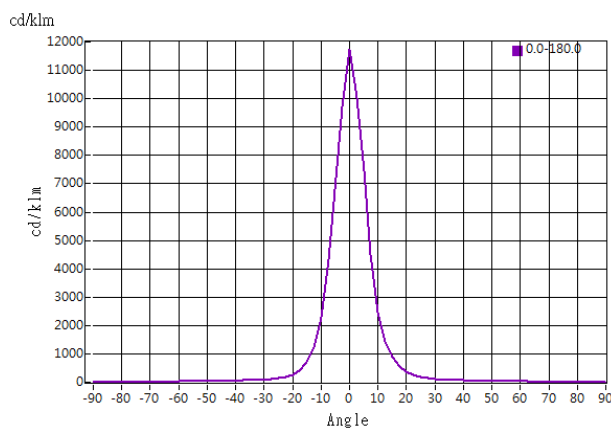




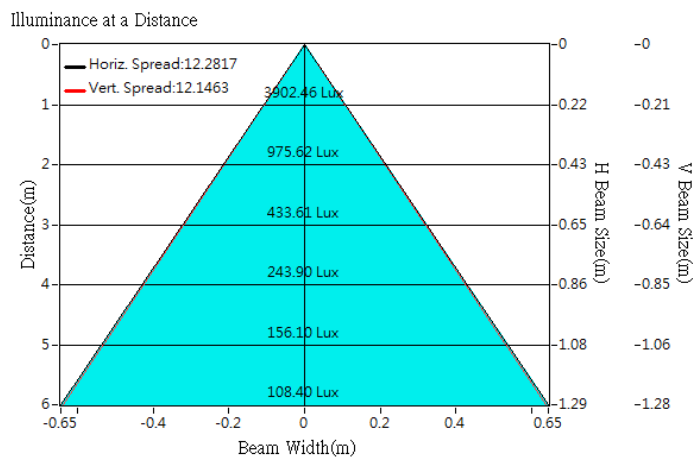
Optical Characteristics

Model Number	CKO-CH17-045026-0401		
LED	CXA1304		
LES / LED Size	Φ 6 mm		
FWHM (D50)	12°		
Field Angle (D10)	26°		
H (distance)	2.5 mm		
Dimension	Φ =45 mm, Thickness=26 mm		
Luminous Flux	333 lm	Measured @ 3.7 W	
Material	PC / UL94V2		

cd/klm

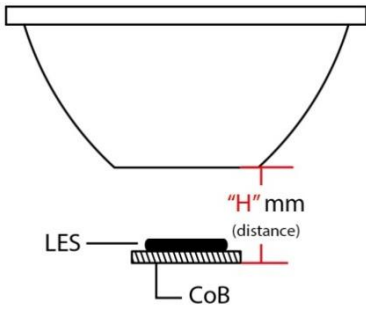


Illuminance At Distances

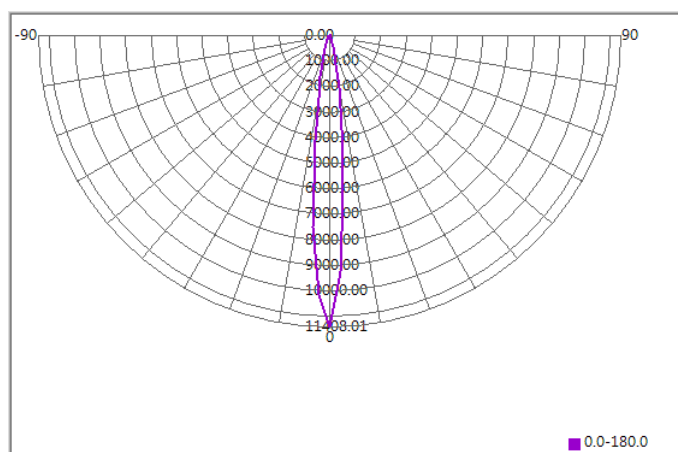




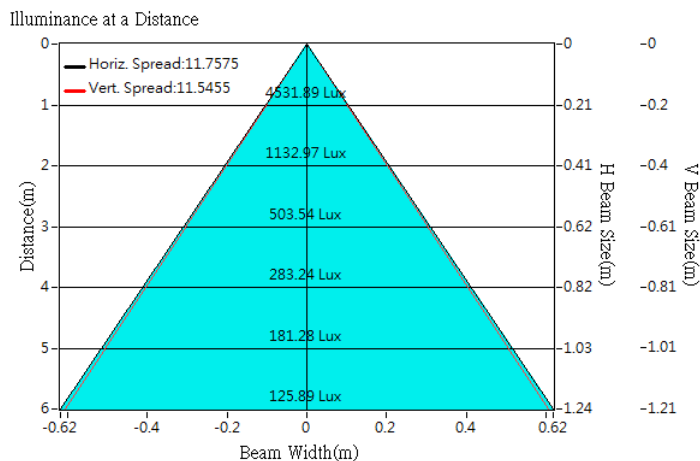
Optical Characteristics

Model Number	CKO-CH17-045026-0401		“H” definition 
LED	CXB1304		
LES / LED Size	Φ 6 mm		
FWHM (D50)	11°		
Field Angle (D10)	28°		
H (distance)	2.5 mm		
Dimension	Φ =45 mm, Thickness=26 mm		
Luminous Flux	397 lm	Measured @ 3.5 W	
Material	PC / UL94V2		

cd/klm

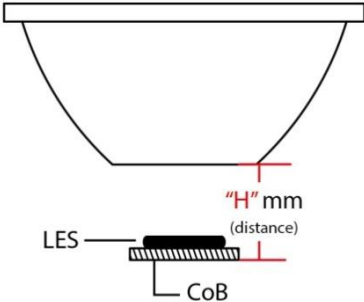


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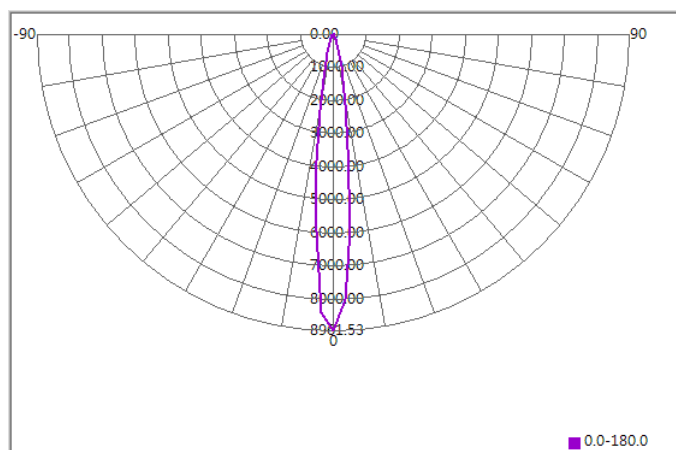




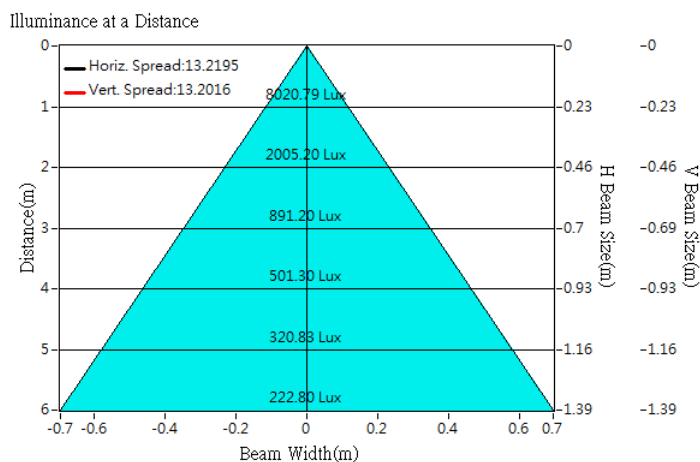
Optical Characteristics

Model Number	CKO-CH17-045026-0401		
LED	CMA1306		
LES / LED Size	Φ 6 mm		
FWHM (D50)	13°		
Field Angle (D10)	31°		
H (distance)	2.5 mm		
Dimension	Φ =45 mm, Thickness=26 mm		
Luminous Flux	895 lm	Measured @ 7.3 W	
Material	PC / UL94V2		

cd/klm

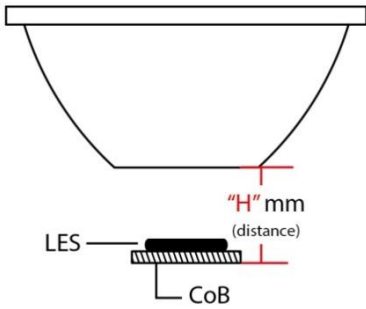


Illuminance At Distances

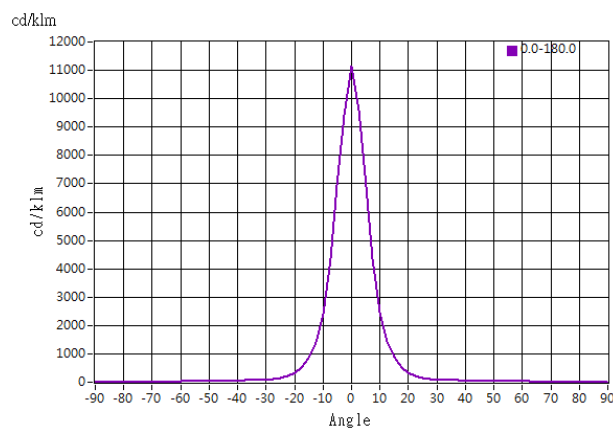




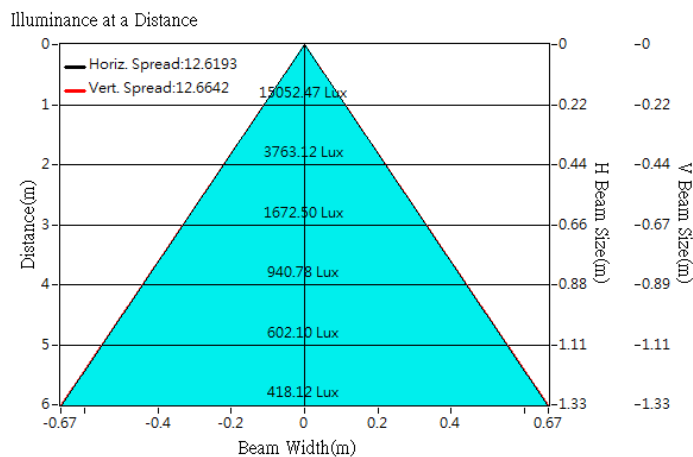
Optical Characteristics

Model Number	CKO-CH17-045026-0401		
LED	CXB1310		
LES / LED Size	Φ 6 mm		
FWHM (D50)	12°		
Field Angle (D10)	28°		
H (distance)	2.5 mm		
Dimension	Φ =45 mm, Thickness=26 mm		
Luminous Flux	1349 lm	Measured @ 12.5 W	
Material	PC / UL94V2		

cd/klm

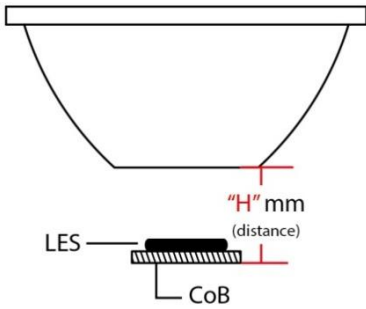


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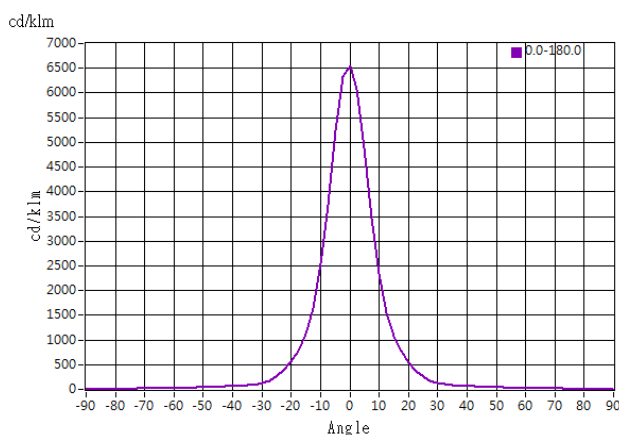




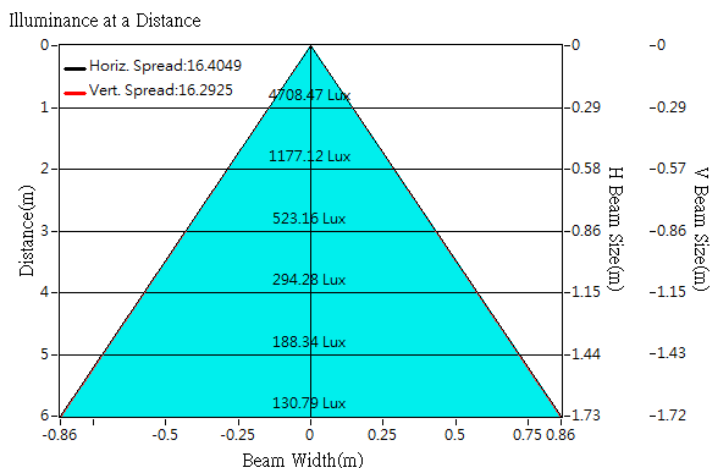
Optical Characteristics

Model Number	CKO-CH17-045026-0401		
LED	CXA1507		
LES / LED Size	Φ 9 mm		
FWHM (D50)	16°		
Field Angle (D10)	38°		
H (distance)	2.5 mm		
Dimension	Φ =45 mm, Thickness=26 mm		
Luminous Flux	719 lm	Measured @ 7.3 W	
Material	PC / UL94V2		

cd/klm



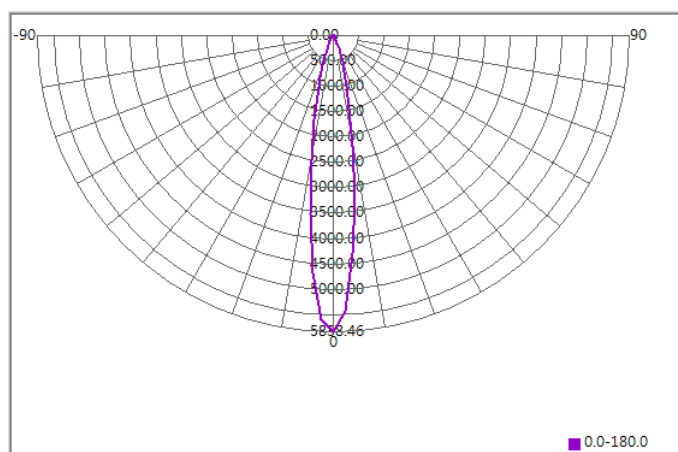
Illuminance At Distances



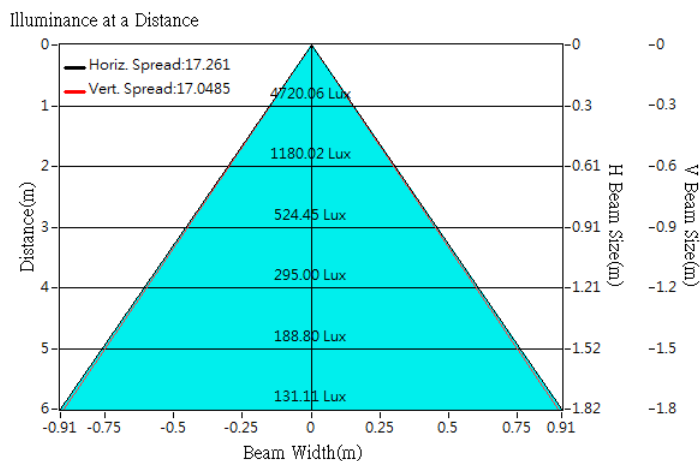
Optical Characteristics

Model Number	CKO-CH17-045026-0401		“H” definition
LED	CXB1507		
LES / LED Size	Φ 9 mm		
FWHM (D50)	17°		
Field Angle (D10)	40°		
H (distance)	2.5 mm		
Dimension	Φ =45 mm, Thickness=26 mm		
Luminous Flux	808 lm	Measured @ 7.1 W	
Material	PC / UL94V2		

cd/klm

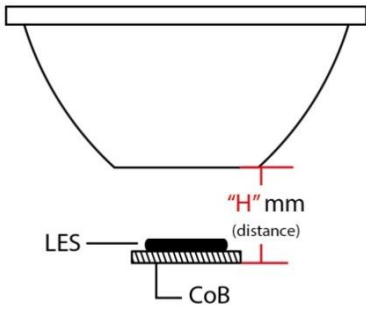


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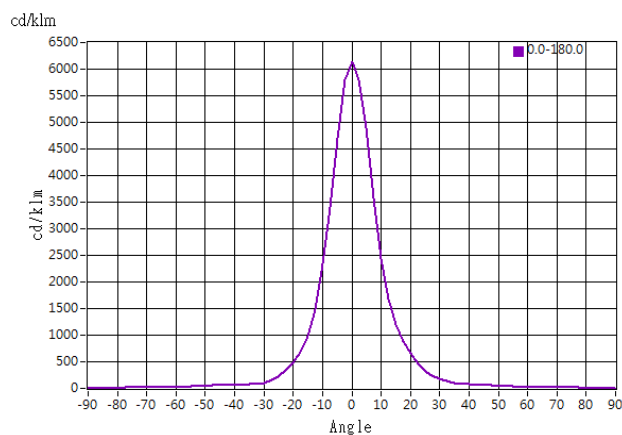




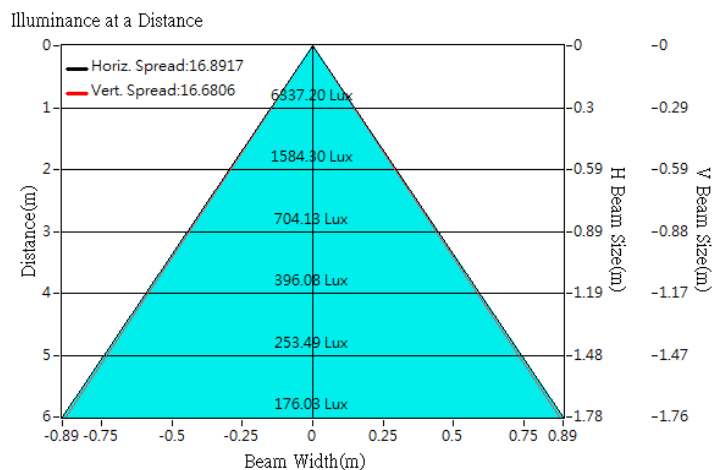
Optical Characteristics

Model Number	CKO-CH17-045026-0401		
LED	CXA1510		
LES / LED Size	Φ 9 mm		
FWHM (D50)	16°		
Field Angle (D10)	39°		
H (distance)	2.5 mm		
Dimension	Φ =45 mm, Thickness=26 mm		
Luminous Flux	1034 lm	Measured @ 9.1 W	
Material	PC / UL94V2		

cd/klm

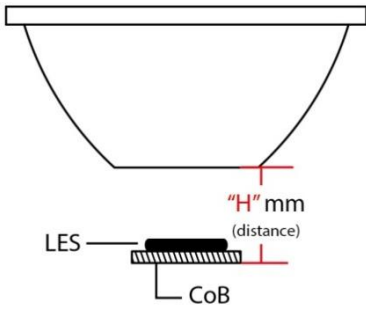


Illuminance At Distances

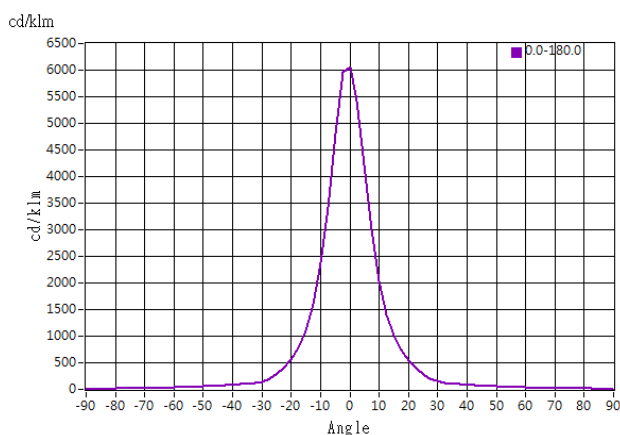




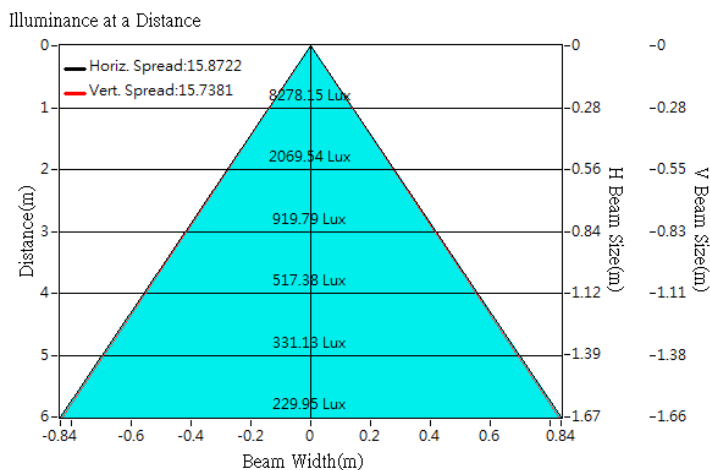
Optical Characteristics

Model Number	CKO-CH17-045026-0401		
LED	CXA1512		
LES / LED Size	Φ 9 mm		
FWHM (D50)	15°		
Field Angle (D10)	39°		
H (distance)	2.5 mm		
Dimension	Φ =45 mm, Thickness=26 mm		
Luminous Flux	1366 lm	Measured @ 13.6 W	
Material	PC / UL94V2		

cd/klm

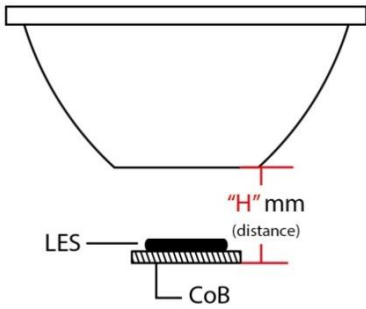


Illuminance At Distances

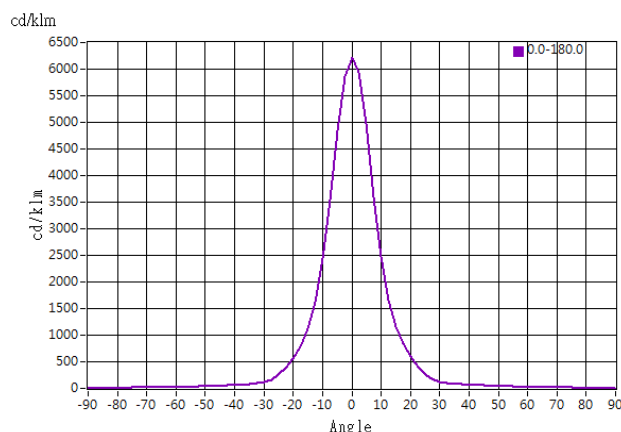




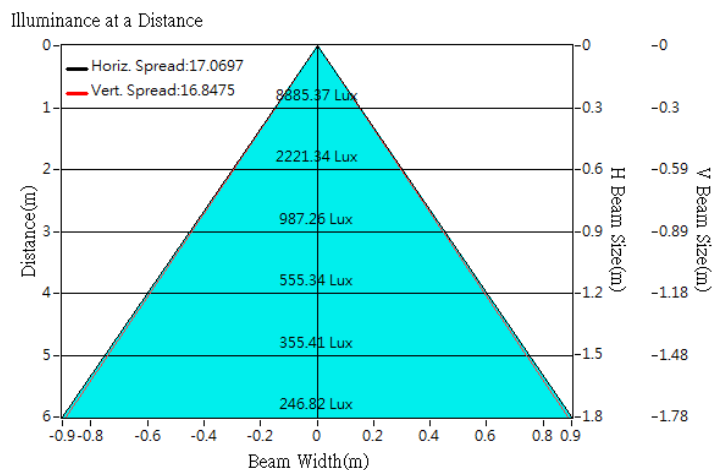
Optical Characteristics

Model Number	CKO-CH17-045026-0401		
LED	CXB1512		
LES / LED Size	Φ 9 mm		
FWHM (D50)	17°		
Field Angle (D10)	39°		
H (distance)	2.5 mm		
Dimension	Φ =45 mm, Thickness=26 mm		
Luminous Flux	1427 lm	Measured @ 12.1 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

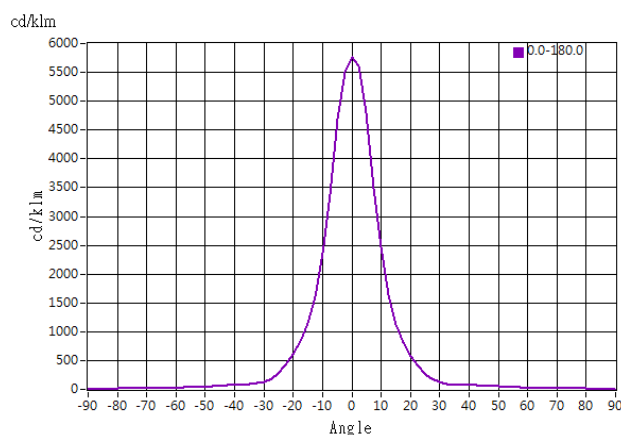




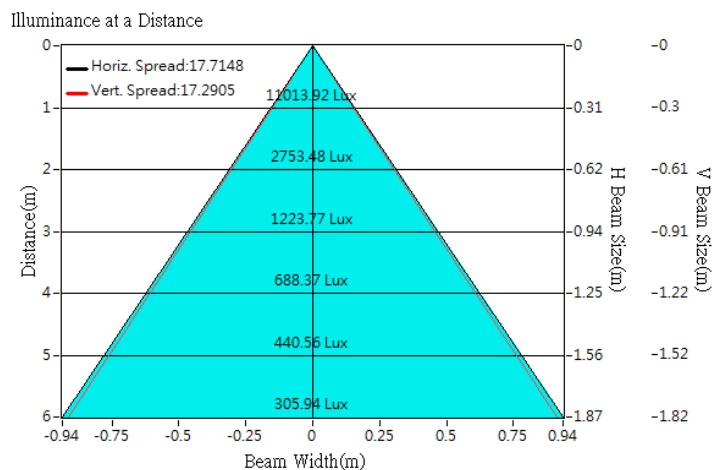
Optical Characteristics

Model Number	CKO-CH17-045026-0401		
LED	CMA1516		
LES / LED Size	Φ 9 mm		
FWHM (D50)	17°		
Field Angle (D10)	40°		
H (distance)	2.5 mm		
Dimension	Φ =45 mm, Thickness=26 mm		
Luminous Flux	1909 lm	Measured @ 15.9 W	
Material	PC / UL94V2		

cd/klm

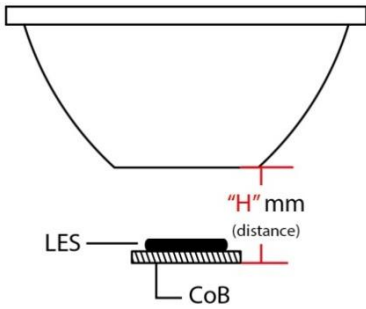


Illuminance At Distances

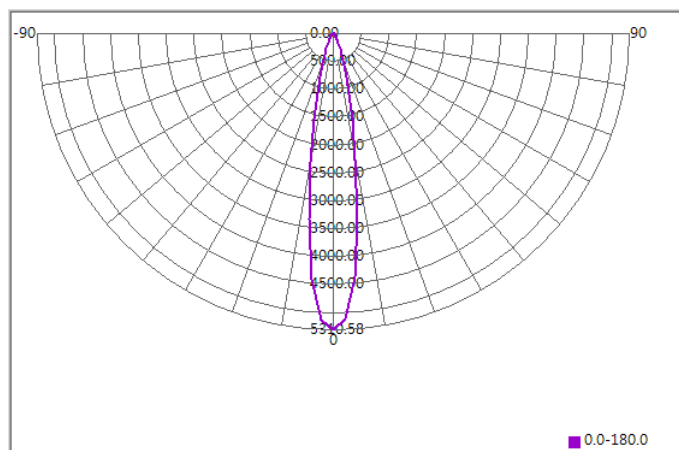




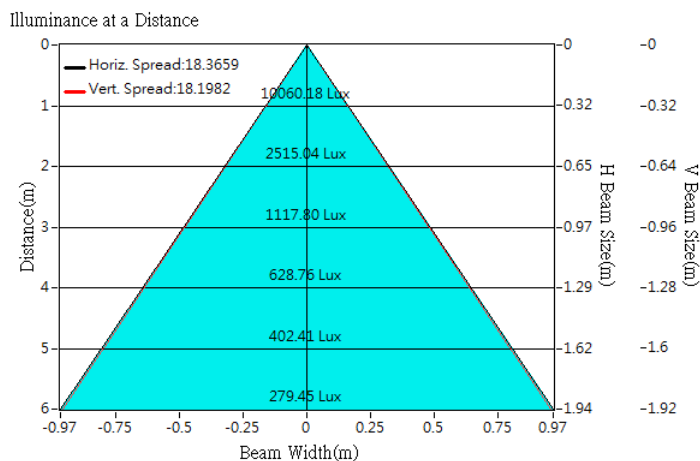
Optical Characteristics

Model Number	CKO-CH17-045026-0401		
LED	CXB1520		
LES / LED Size	Φ 9 mm		
FWHM (D50)	18°		
Field Angle (D10)	42°		
H (distance)	2.5 mm		
Dimension	Φ =45 mm, Thickness=26 mm		
Luminous Flux	1894 lm	Measured @ 17.3 W	
Material	PC / UL94V2		

cd/klm

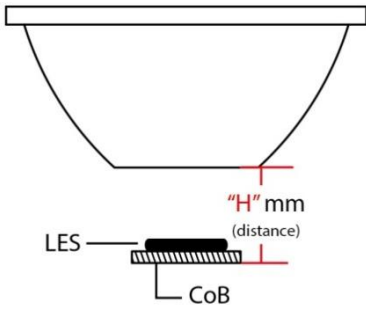


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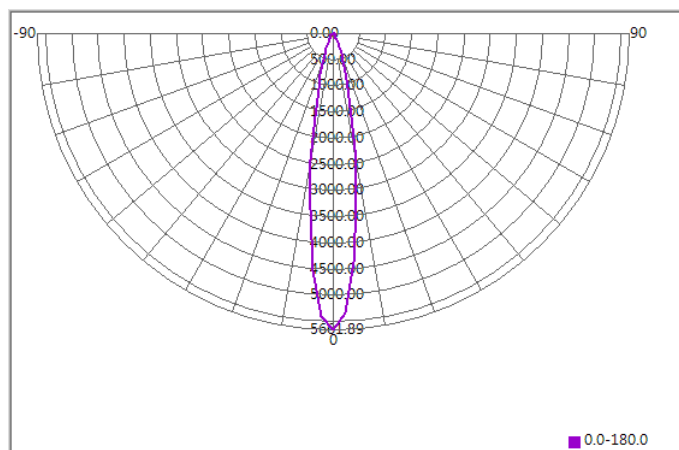




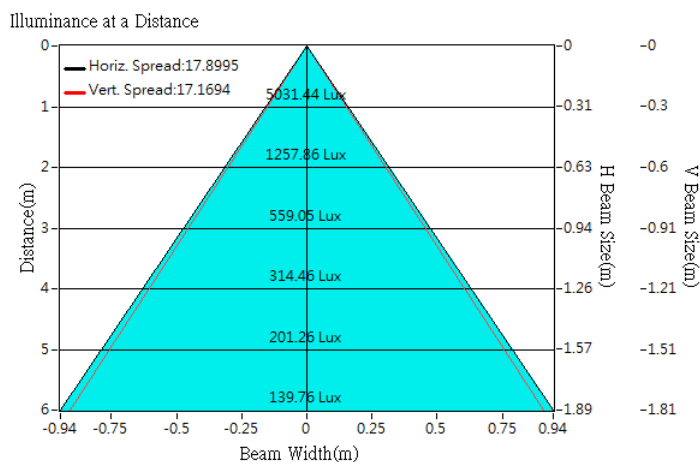
Optical Characteristics

Model Number	CKO-CH17-045026-0401		
LED	CMT1407		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	17°		
Field Angle (D10)	41°		
H (distance)	2.5 mm		
Dimension	Φ =45 mm, Thickness=26 mm		
Luminous Flux	889 lm	Measured @ 7 W	
Material	PC / UL94V2		

cd/klm

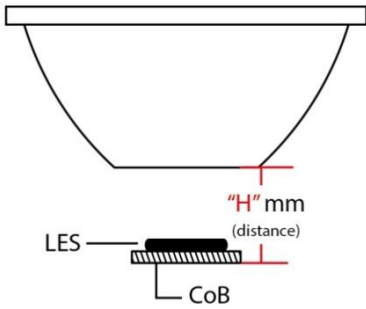


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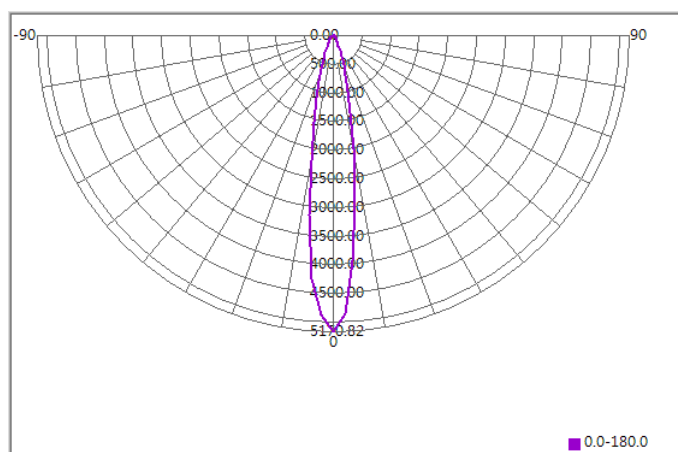




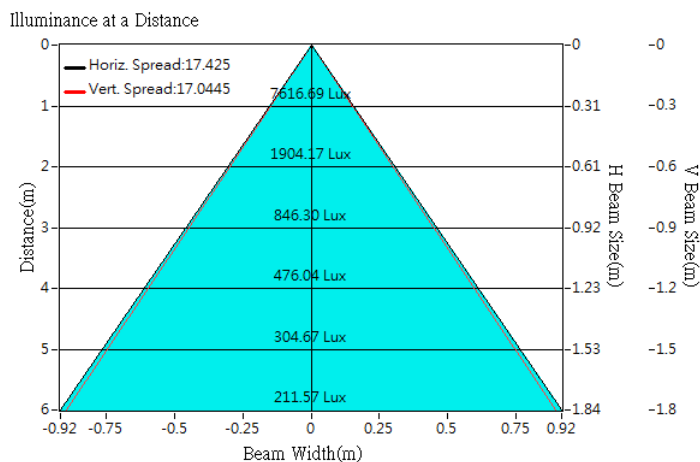
Optical Characteristics

Model Number	CKO-CH17-045026-0401		"H" definition
LED	CMT1412		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	17°		
Field Angle (D10)	42°		
H (distance)	2.5 mm		
Dimension	Φ =45 mm, Thickness=26 mm		
Luminous Flux	1473 lm	Measured @12.2 W	
Material	PC / UL94V2		

cd/klm

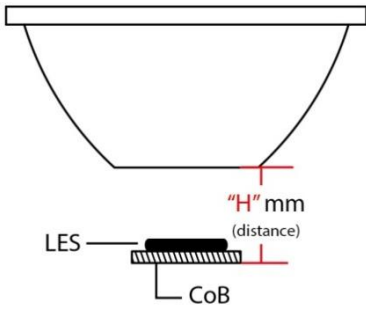


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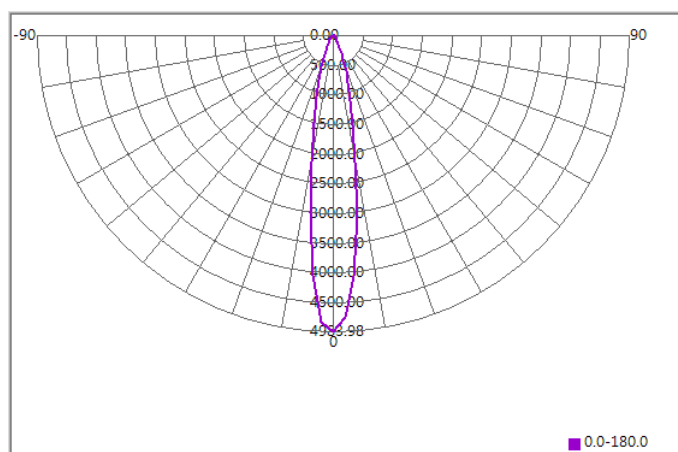




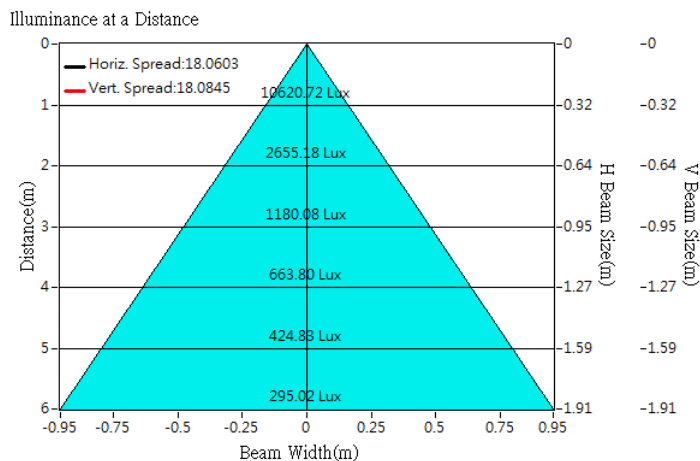
Optical Characteristics

Model Number	CKO-CH17-045026-0401		
LED	CMT1420		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	18°		
Field Angle (D10)	43°		
H (distance)	2.5 mm		
Dimension	Φ =45 mm, Thickness=26 mm		
Luminous Flux	2130 lm	Measured @ 18.9 W	
Material	PC / UL94V2		

cd/klm

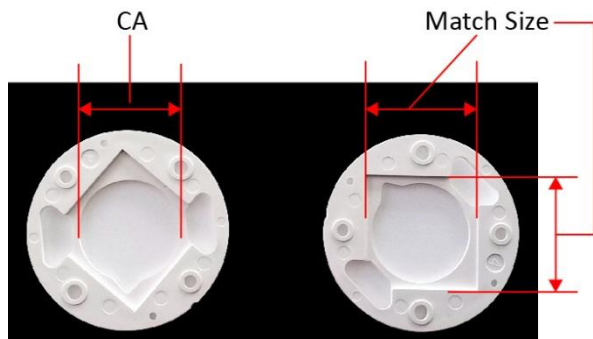


Illuminance At Distances





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