



Product Model Number

CKO-CH19-030015-2505

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

(A)

(B)

(C)

(D)

(E)

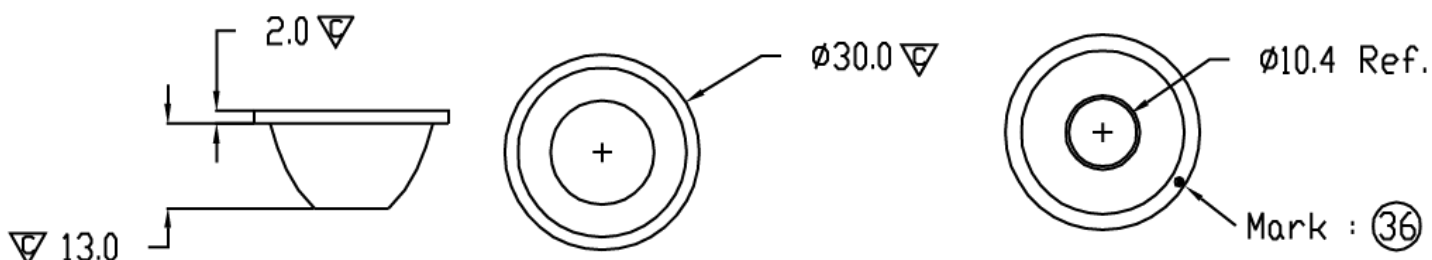


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

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

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

✓ Dimensions (mm) : Φ30 x 15

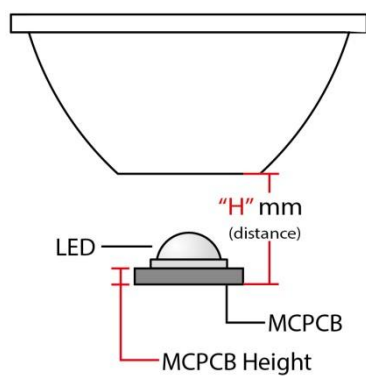


▽:Critical Dimension

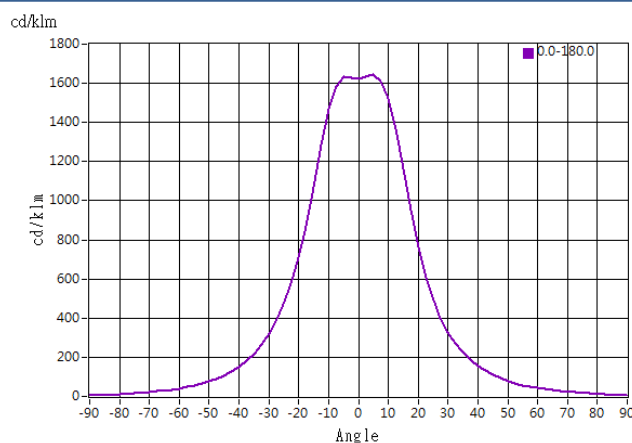
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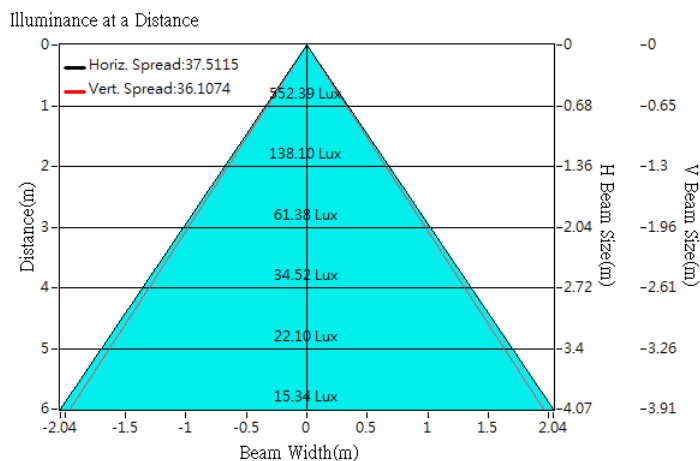
Optical Characteristics

Model Number		CKO-CH19-030015-2505	"H" definition
LED	XD-16 4IN1		
LES / LED Size	1.6 x 1.6		
FWHM (D50)	36°		
Field Angle (D10)	77°		
H (distance)	2.5 mm		
MCPCB Height	1.1 mm		
Dimension	Φ =30 mm, Thickness=15 mm		
Luminous Flux	340 lm	Measured @ 3.3 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

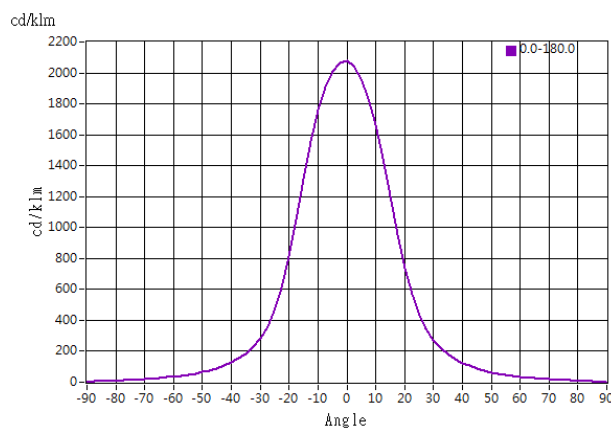




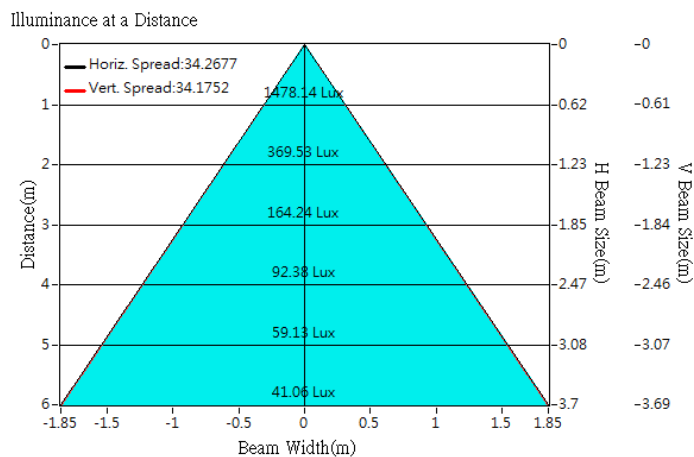
Optical Characteristics

Model Number		CKO-CH19-030015-2505		"H" definition
LED		CMA1303		
LES / LED Size		Φ 4.5 mm		
FWHM (D50)		34°		
Field Angle (D10)		67°		
H (distance)		2.5 mm		
Dimension		Φ =30mm, Thickness=15mm		
Luminous Flux		712 lm	Measured @ 6.7 W	
Material		PC / UL94V2		

cd/klm



Illuminance At Distances

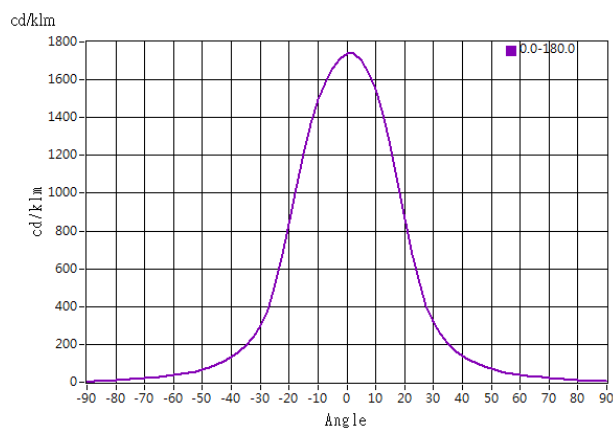




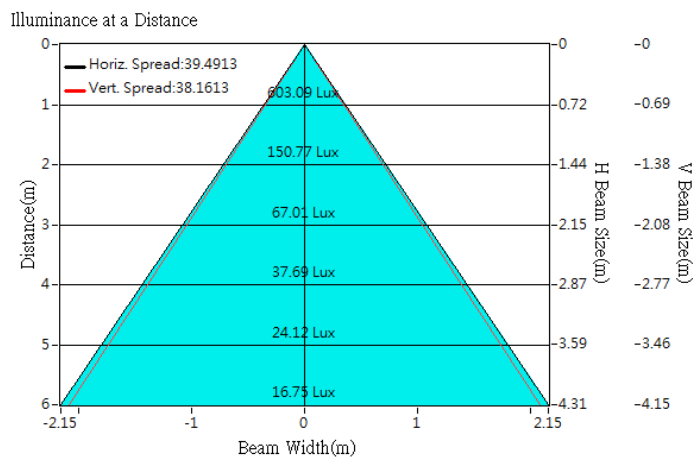
Optical Characteristics

Model Number		CKO-CH19-030015-2505	"H" definition
LED		CXA1304	
LES / LED Size		Φ 6 mm	
FWHM (D50)		39°	
Field Angle (D10)		73°	
H (distance)		2.5 mm	
Dimension		Φ =30mm, Thickness=15mm	
Luminous Flux		347 lm Measured @ 4.1 W	
Material		PC / UL94V2	

cd/klm

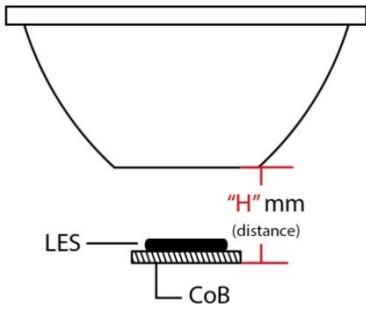


Illuminance At Distances

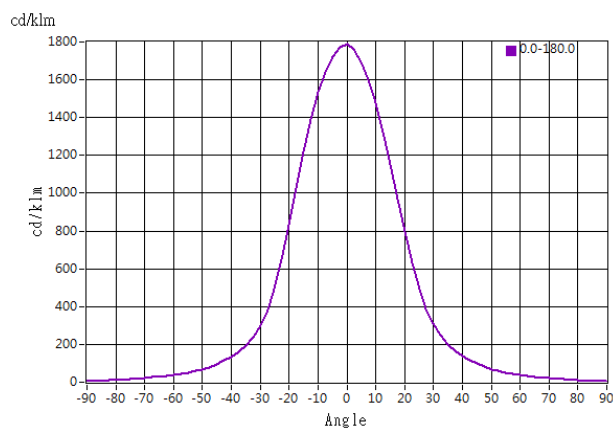




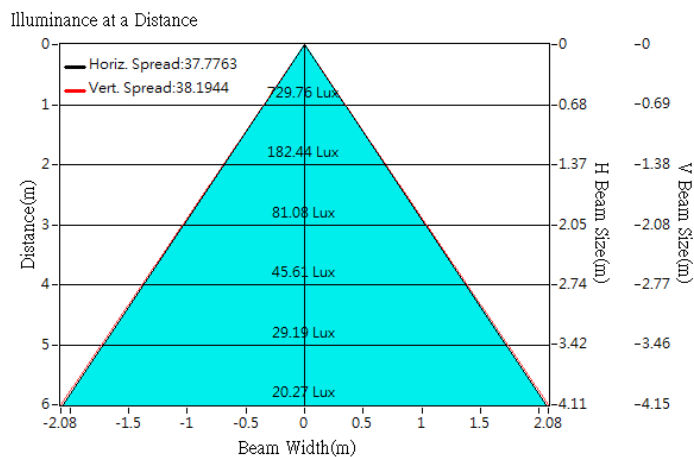
Optical Characteristics

Model Number		CKO-CH19-030015-2505	"H" definition
LED		CXB1304	
LES / LED Size		Φ 6 mm	
FWHM (D50)		38°	
Field Angle (D10)		73°	
H (distance)		2.5 mm	
Dimension		Φ =30mm, Thickness=15mm	
Luminous Flux		408 lm Measured @ 3.5 W	
Material		PC / UL94V2	

cd/klm

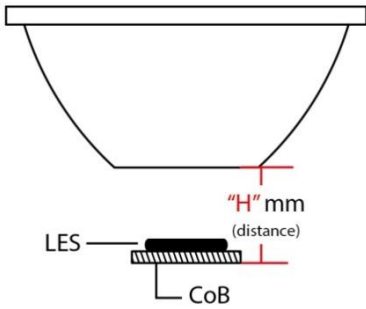


Illuminance At Distances

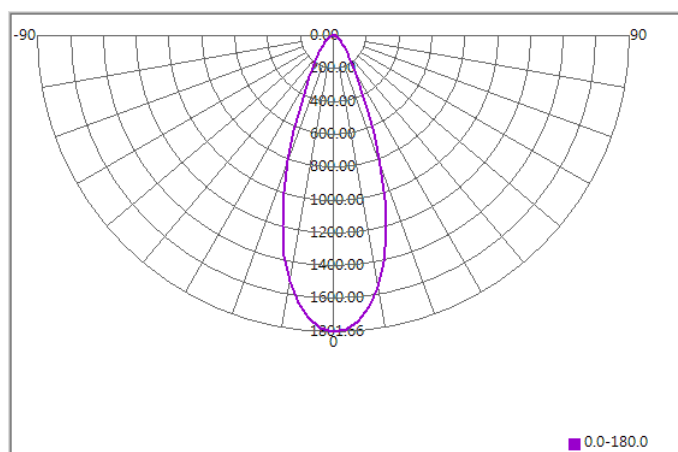




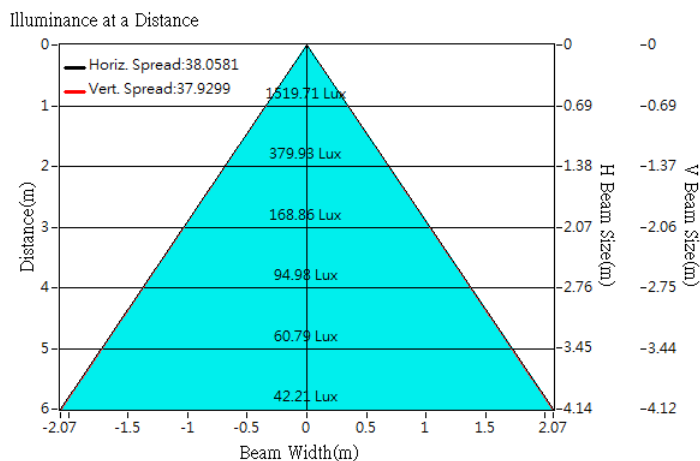
Optical Characteristics

Model Number	CKO-CH19-030015-2505		
LED	CMA1306		
LES / LED Size	Φ 6 mm		
FWHM (D50)	38°		
Field Angle (D10)	72°		
H (distance)	2.5 mm		
Dimension	Φ =30mm, Thickness=15mm		
Luminous Flux	843 lm	Measured @ 7.3 W	
Material	PC / UL94V2		

cd/klm

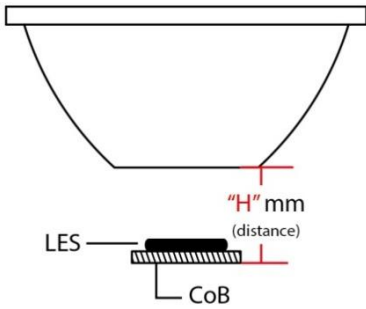


Illuminance At Distances

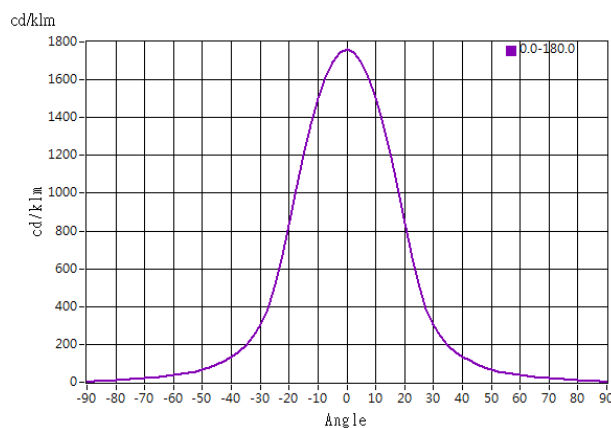




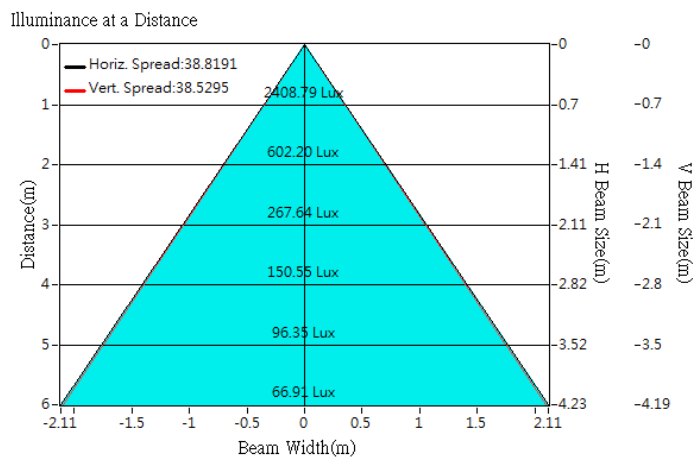
Optical Characteristics

Model Number	CKO-CH19-030015-2505		
LED	CXB1310		
LES / LED Size	Φ 6 mm		
FWHM (D50)	39°		
Field Angle (D10)	73°		
H (distance)	2.5 mm		
Dimension	Φ =30mm, Thickness=15mm		
Luminous Flux	1366 lm	Measured @ 11.9 W	
Material	PC / UL94V2		

cd/klm

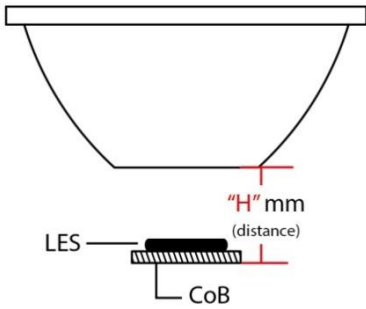


Illuminance At Distances

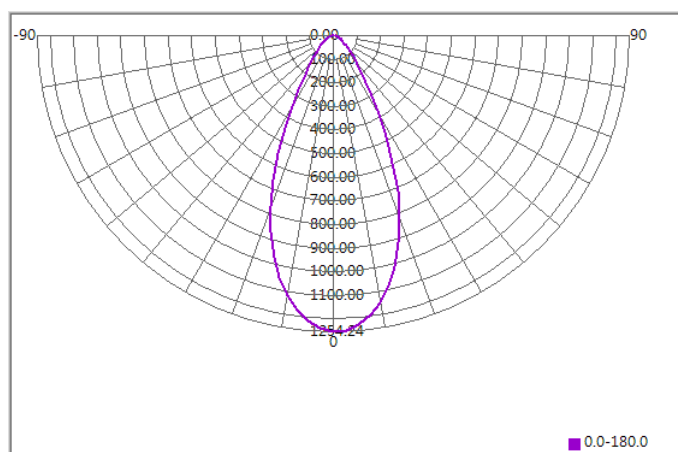




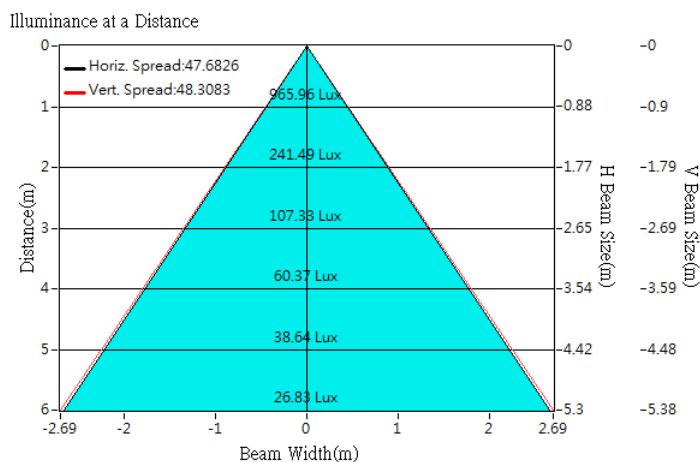
Optical Characteristics

Model Number	CKO-CH19-030015-2505		
LED	CXB1507		
LES / LED Size	Φ 6 mm		
FWHM (D50)	48°		
Field Angle (D10)	85°		
H (distance)	2.5 mm		
Dimension	Φ =30mm, Thickness=15mm		
Luminous Flux	770 lm	Measured @ 7.2 W	
Material	PC / UL94V2		

cd/klm

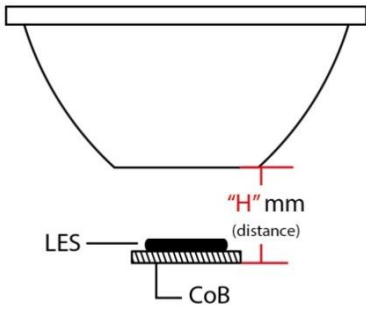


Illuminance At Distances

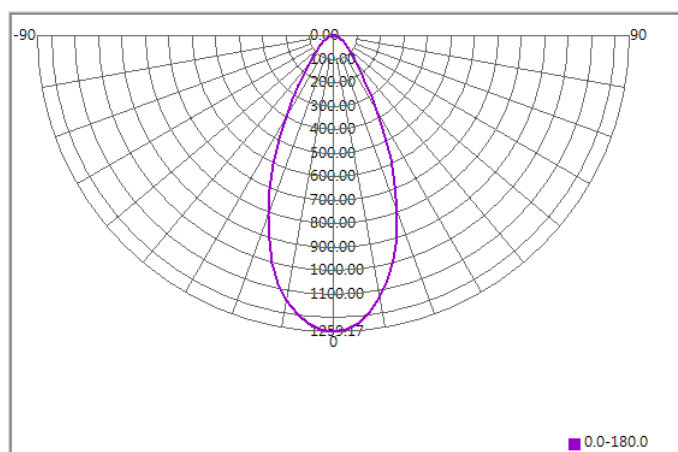




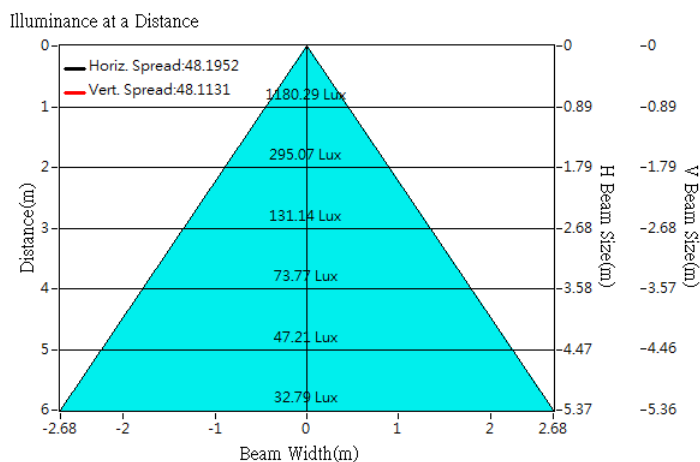
Optical Characteristics

Model Number	CKO-CH19-030015-2505		
LED	CXA1510		
LES / LED Size	Φ 6 mm		
FWHM (D50)	48°		
Field Angle (D10)	88°		
H (distance)	2.5 mm		
Dimension	Φ =30mm, Thickness=15mm		
Luminous Flux	937 lm	Measured @ 9.1 W	
Material	PC / UL94V2		

cd/klm

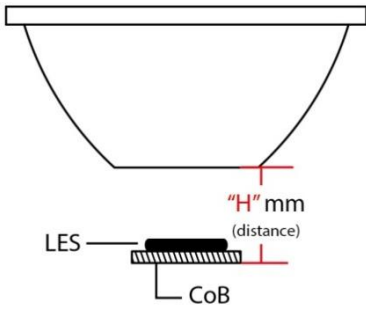


Illuminance At Distances

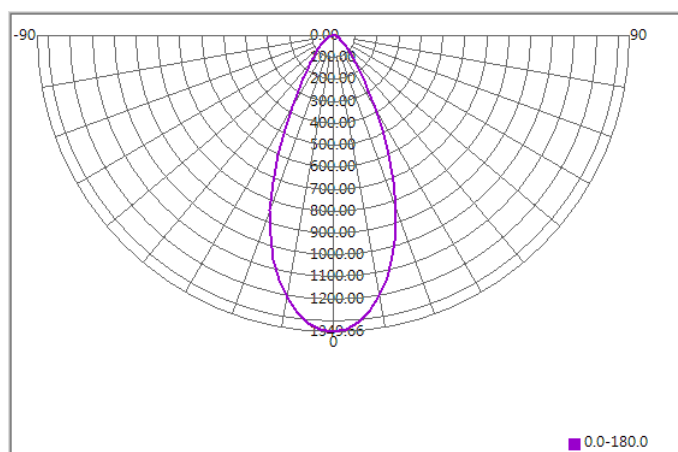




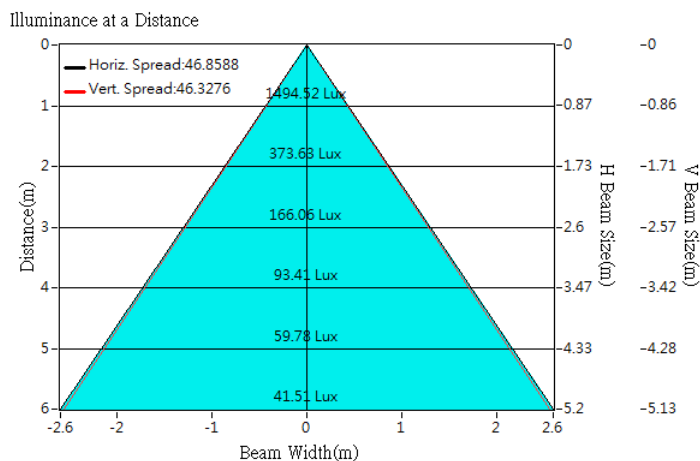
Optical Characteristics

Model Number	CKO-CH19-030015-2505		
LED	CXA1512		
LES / LED Size	Φ 6 mm		
FWHM (D50)	47°		
Field Angle (D10)	84°		
H (distance)	2.5 mm		
Dimension	Φ =30mm, Thickness=15mm		
Luminous Flux	1107 lm	Measured @ 13.2 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

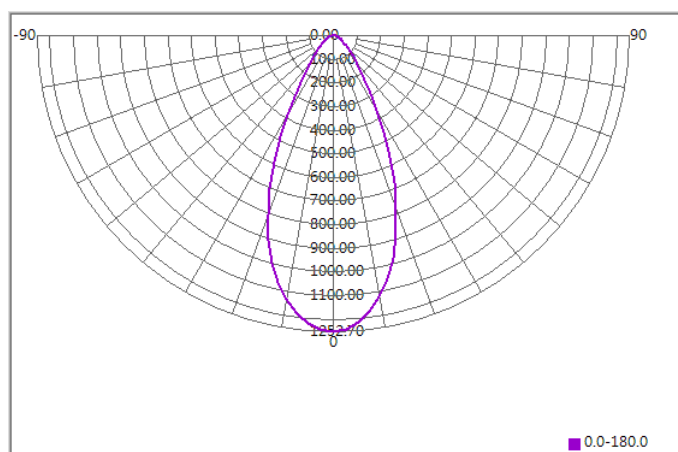




Optical Characteristics

Model Number	CKO-CH19-030015-2505		The diagram illustrates the beam spread and the distance H. The top part shows a semi-circular beam profile. The bottom part shows a cross-section of the LED package, with labels for LES (LED Surface), CoB (Chip on Board), and the distance H (distance) in mm.
LED	CXB1512		
LES / LED Size	Φ 6 mm		
FWHM (D50)	48°		
Field Angle (D10)	87°		
H (distance)	2.5 mm		
Dimension	Φ =30mm, Thickness=15mm		
Luminous Flux	1303 lm	Measured @ 12.1 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

