



Product Model Number

CKO-M312-035011-2501

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

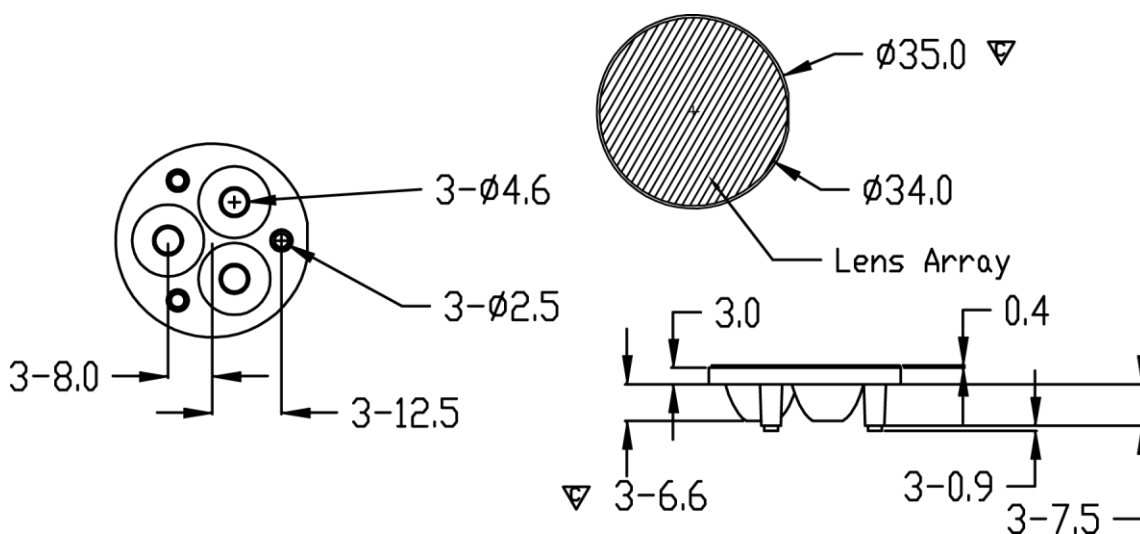


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

- 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) : Φ35 x 10.9



▽:Critical Dimension



✓ Optical Characteristics – Angle Performances

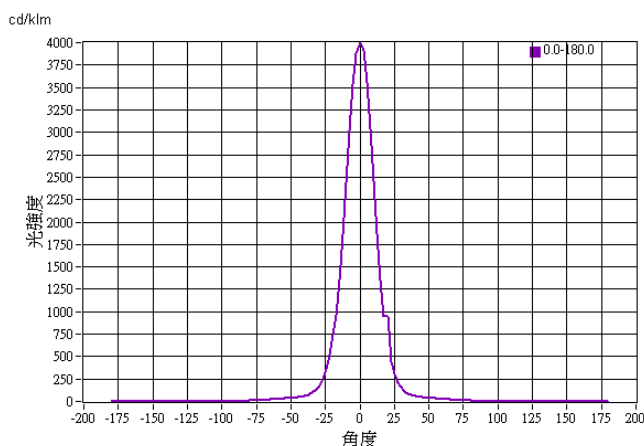
Cree	LED LES (mm)	FWHM (degrees)	Field Angle (degrees)
XB-D	2.45 x 2.45	24°	47°
XB-H	2.45 x 2.45	25°	49°
XP-E	3.45 x 3.45	23°	44°
XP-G	3.45 x 3.45	25°	48°
XP-G2	3.45 x 3.45	25°	49°



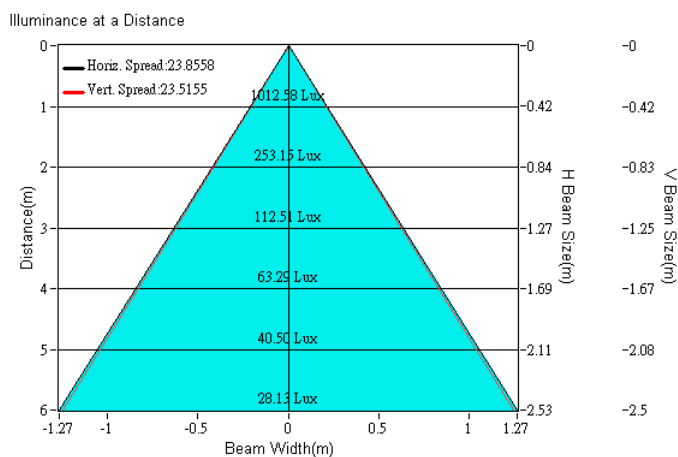
Optical Characteristics

Model Number	CKO-M312-035011-2501	
LED	XB-D	
LES / LED Size	Φ 2.5 x 2.5	
FWHM (D50)	24°	
Field Angle (D10)	47°	
Dimension	Φ =35 mm, Thickness=10.9 mm	
Luminous Flux	253 lm	Measured @ 3.1 W
Material	PC / UL94V0	

cd/klm



Illuminance At Distances

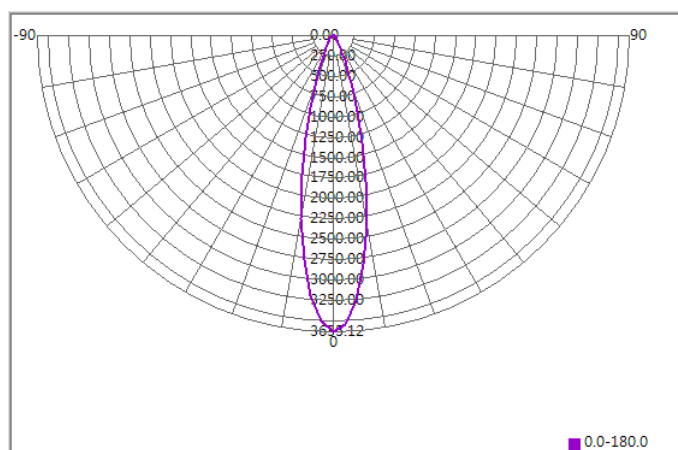




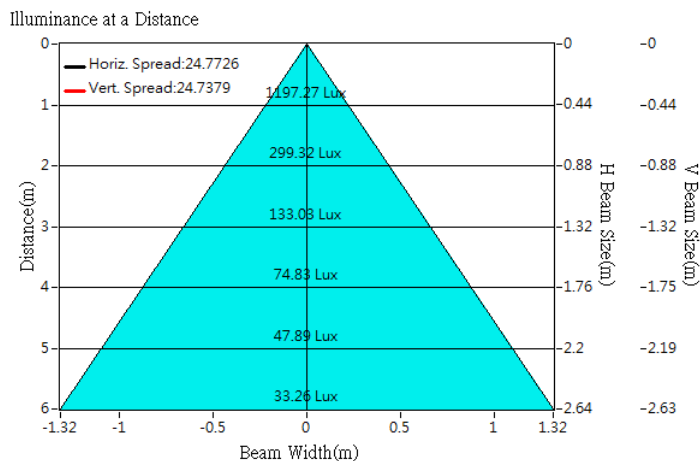
Optical Characteristics

Model Number	CKO-M312-035011-2501	
LED	XB-H	
LES / LED Size	Φ 2.5 x 2.5	
FWHM (D50)	25°	
Field Angle (D10)	49°	
Dimension	Φ =35 mm, Thickness=10.9 mm	
Luminous Flux	329 lm	Measured @ 2.9 W
Material	PC / UL94V0	

cd/klm



Illuminance At Distances

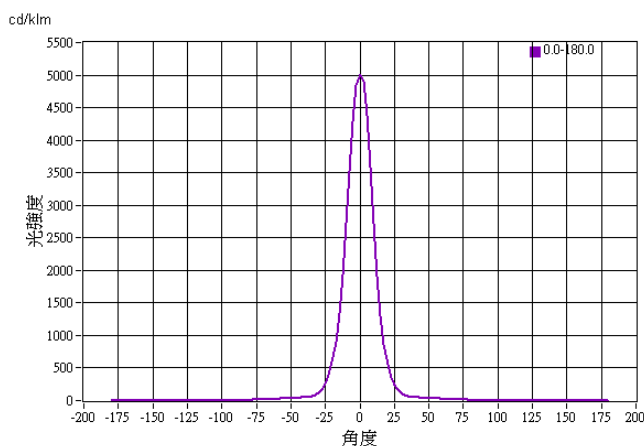




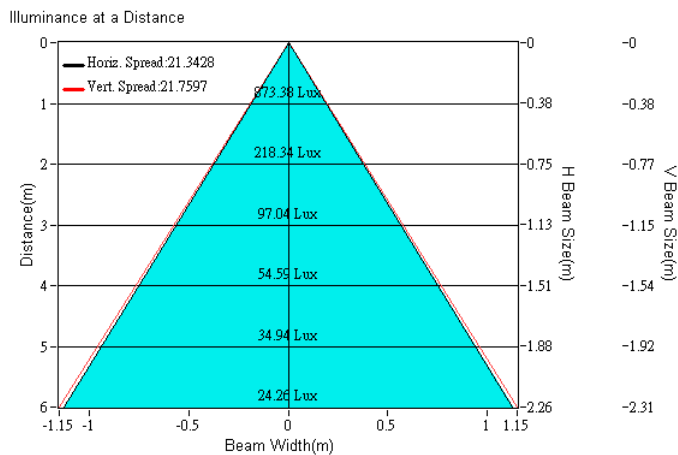
Optical Characteristics

Model Number	CKO-M312-035011-2501	
LED	XP-E	
LES / LED Size	Φ 3.5 x 3.5	
FWHM (D50)	23°	
Field Angle (D10)	44°	
Dimension	Φ =35 mm, Thickness=10.9 mm	
Luminous Flux	174 lm	Measured @ 3.3 W
Material	PC / UL94V0	

cd/klm



Illuminance At Distances

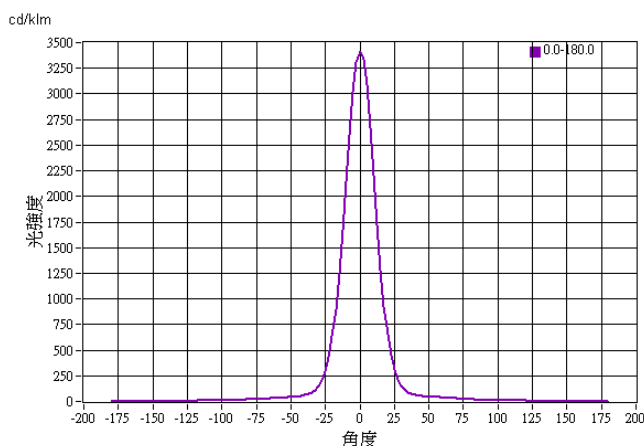




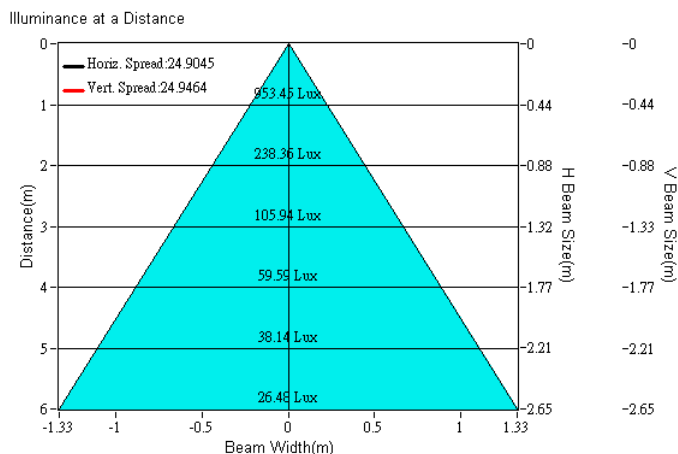
Optical Characteristics

Model Number	CKO-M312-035011-2501	
LED	XP-G	
LES / LED Size	Φ 3.5 x 3.5	
FWHM (D50)	25°	
Field Angle (D10)	48°	
Dimension	Φ =35 mm, Thickness=10.9 mm	
Luminous Flux	279 lm	Measured @ 2.9 W
Material	PC / UL94V0	

cd/klm



Illuminance At Distances

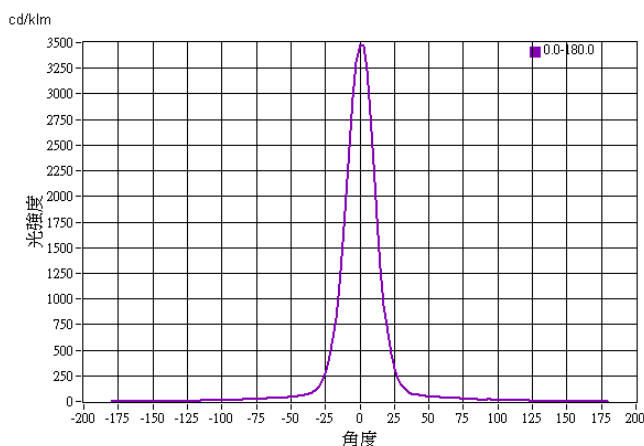




Optical Characteristics

Model Number	CKO-M312-035011-2501	
LED	XP-G2	
LES / LED Size	Φ 3.5 x 3.5	
FWHM (D50)	25°	
Field Angle (D10)	49°	
Dimension	Φ =35 mm, Thickness=10.9 mm	
Luminous Flux	355 lm	Measured @ 3.0 W
Material	PC / UL94V0	

cd/klm



Illuminance At Distances

