



Product Model Number

CKO-M412-035011-2101

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

(A)

(B)

(C)

(D)

(E)

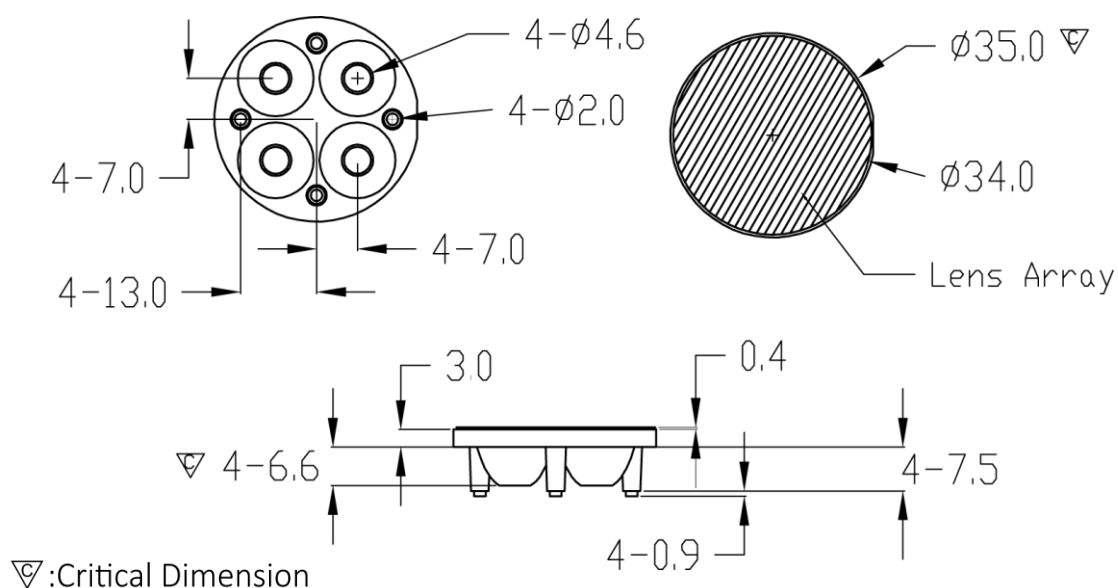


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

- 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) : Φ35 x 10.9



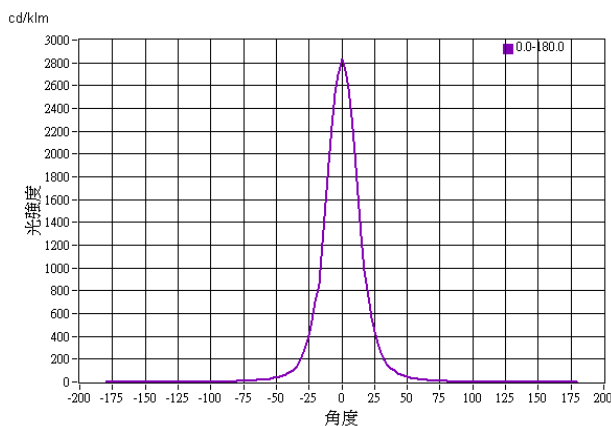
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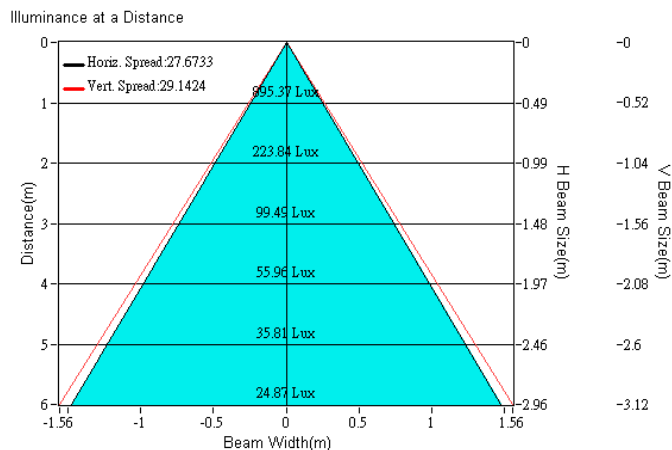
Optical Characteristics

Model Number	CKO-M412-035011-2101	
LED	XB-D	
LES / LED Size	2.5 x 2.5	
FWHM (D50)	28°	
Field Angle (D10)	58°	
Dimension	Φ =35 mm, Thickness=10.9 mm	
Luminous Flux	316 lm	Measured @ 4.3 W
Material	PC / UL94V0	

cd/klm



Illuminance At Distances

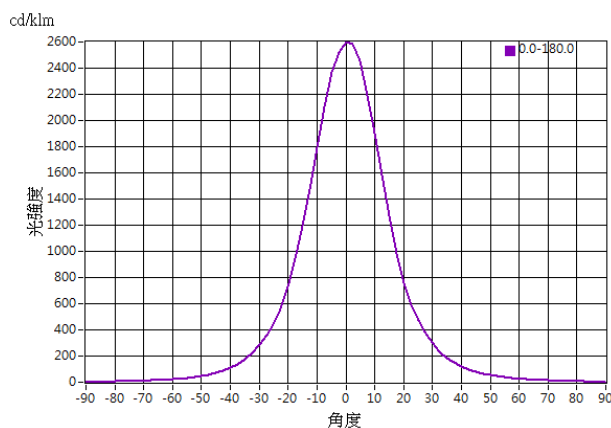




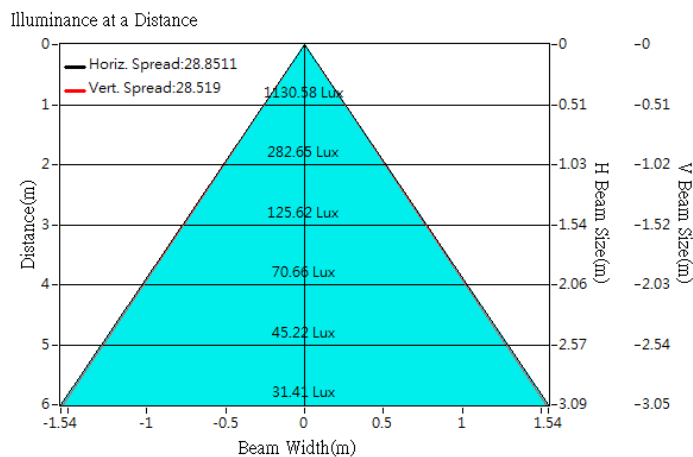
Optical Characteristics

Model Number	CKO-M412-035011-2101	
LED	XB-H	
LES / LED Size	2.5 x 2.5	
FWHM (D50)	29°	
Field Angle (D10)	62°	
Dimension	Φ =35 mm, Thickness=10.9 mm	
Luminous Flux	436 lm	Measured @ 4.0 W
Material	PC / UL94V0	

cd/klm



Illuminance At Distances

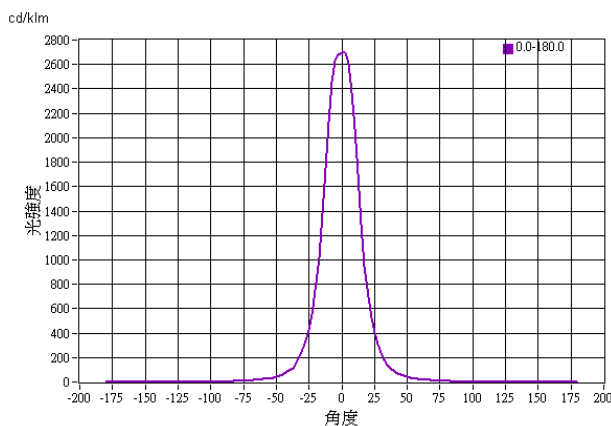




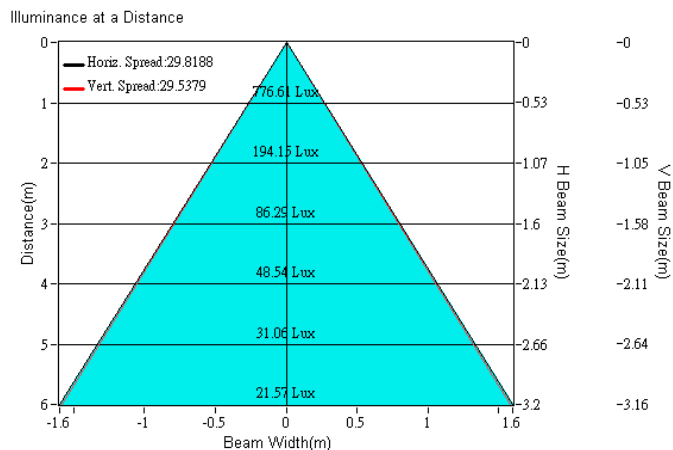
Optical Characteristics

Model Number	CKO-M412-035011-2101	
LED	XP-E	
LES / LED Size	3.5 x 3.5	
FWHM (D50)	30°	
Field Angle (D10)	59°	
Dimension	Φ =35 mm, Thickness=10.9 mm	
Luminous Flux	288 lm	Measured @ 4.1 W
Material	PC / UL94V0	

cd/klm



Illuminance At Distances

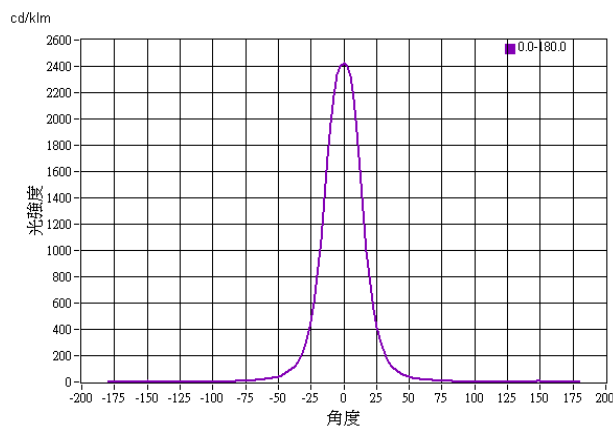




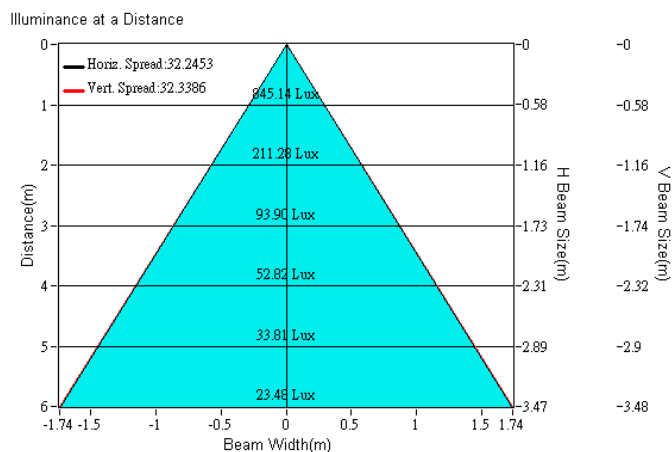
Optical Characteristics

Model Number	CKO-M412-035011-2101	
LED	XP-G	
LES / LED Size	3.5 x 3.5	
FWHM (D50)	32°	
Field Angle (D10)	61°	
Dimension	Φ =35 mm, Thickness=10.9 mm	
Luminous Flux	349 lm	Measured @ 4.0 W
Material	PC / UL94V0	

cd/klm



Illuminance At Distances

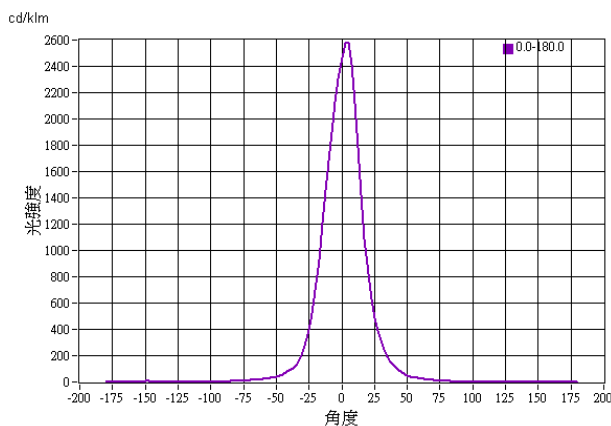




Optical Characteristics

Model Number	CKO-M412-035011-2101	
LED	XP-G2	
LES / LED Size	3.5 x 3.5	
FWHM (D50)	30°	
Field Angle (D10)	61°	
Dimension	Φ =35 mm, Thickness=10.9 mm	
Luminous Flux	458 lm	Measured @ 4.0 W
Material	PC / UL94V0	

cd/klm



Illuminance At Distances

