



## Product Model Number

CKO - M 7 1 2 - 0 4 5 0 1 1 - 4 4 0 1

### ✓ Model Number Definitions

**CKO-XXXX-XXXXXX-XXXX**

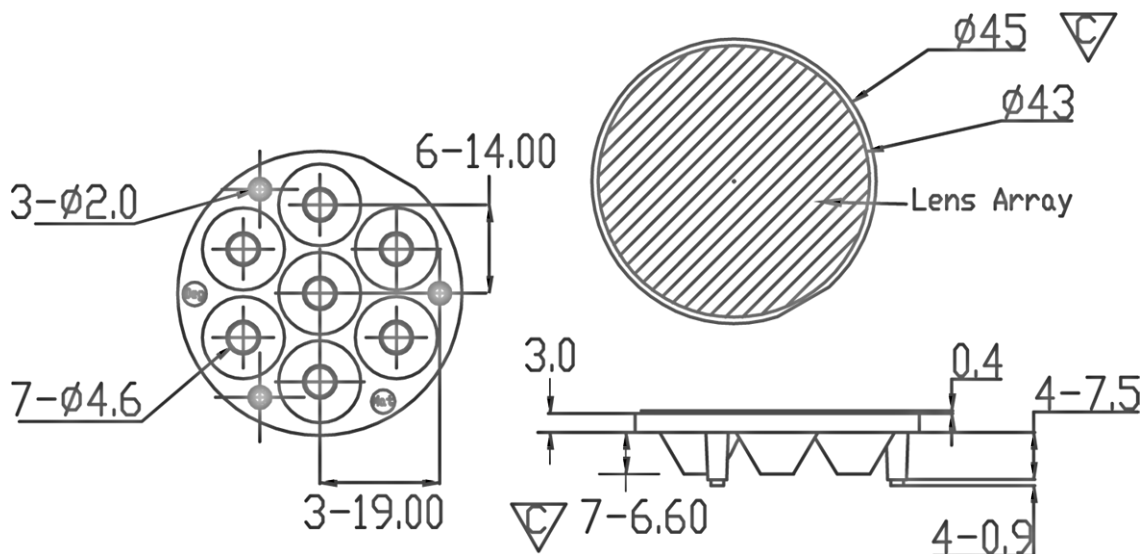


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation  
Ex:  
CH→CoB High Intensity  
CC→CoB Compact  
CS→Soft Shading for CoB LED  
HC→Holder for CoB LED

- 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) : Φ45 x 10.9



∇:Critical Dimension

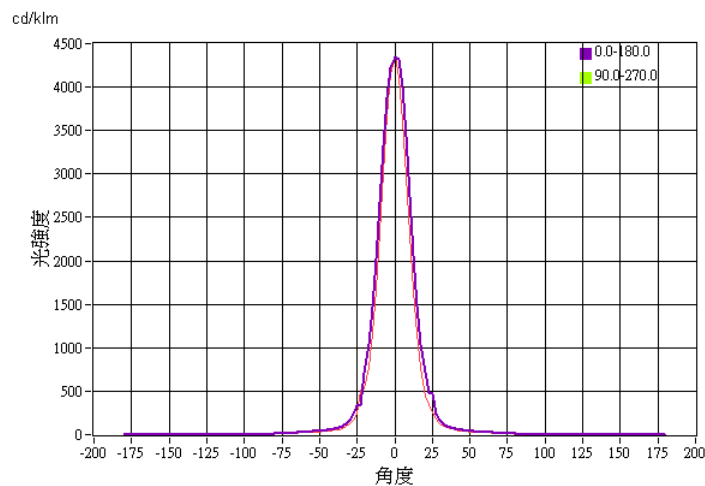




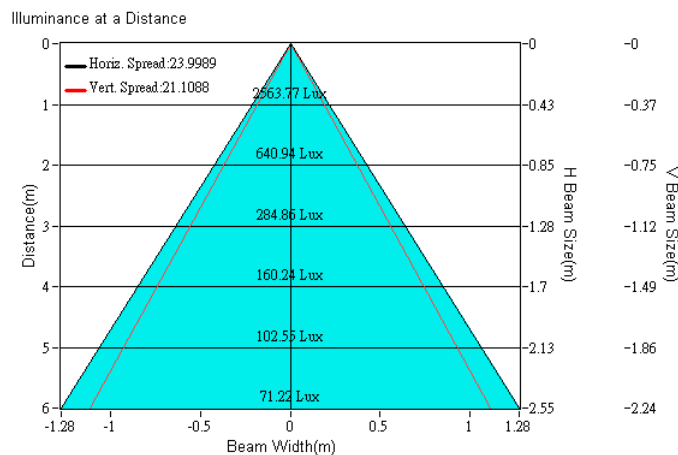
## Optical Characteristics

Model Number	CKO-M712-045011-4401	
LED	<b>XB-D</b>	
LES / LED Size	Φ 2.5 x 2.5 mm	
FWHM (D50)	24°	
Field Angle (D10)	47°	
Dimension	Φ =45 mm, Thickness=10.9 mm	
Luminous Flux	589 lm	Measured @ 7.2 W
Material	PC / UL94V0	

## cd/klm



## Illuminance At Distances

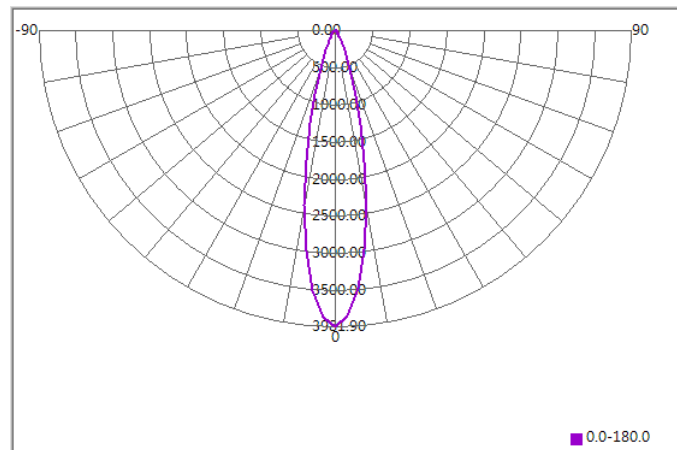




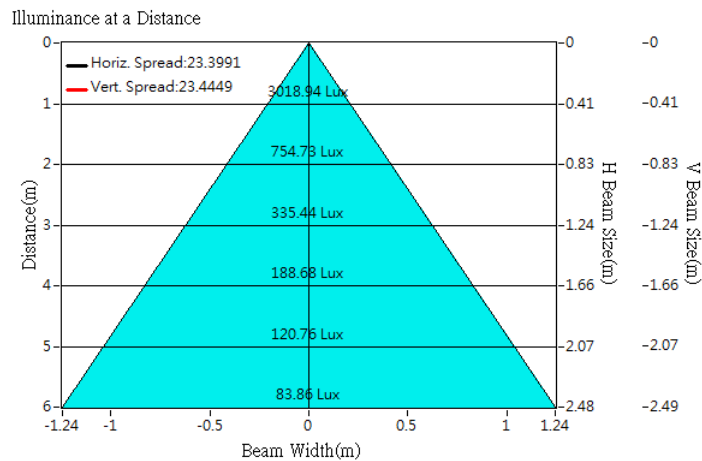
## Optical Characteristics

Model Number	CKO-M712-045011-4401	
LED	<b>XB-H</b>	
LES / LED Size	Φ 2.5 x 2.5 mm	
FWHM (D50)	23°	
Field Angle (D10)	46°	
Dimension	Φ =45 mm, Thickness=10.9 mm	
Luminous Flux	758 lm	Measured @ 6.8 W
Material	PC / UL94V0	

## cd/klm



## Illuminance At Distances

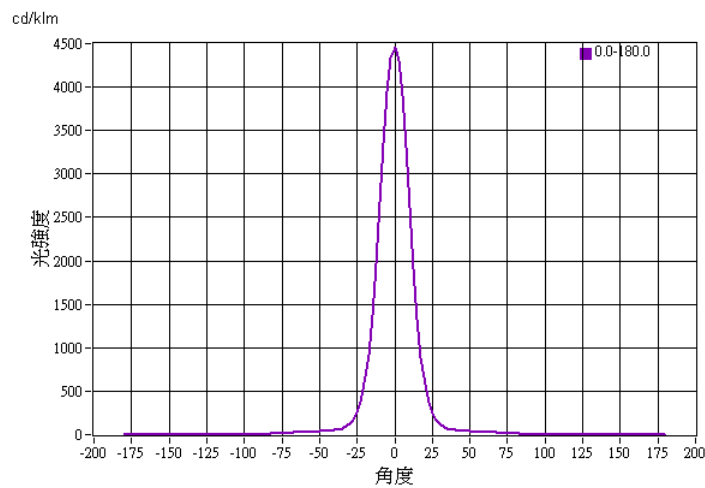




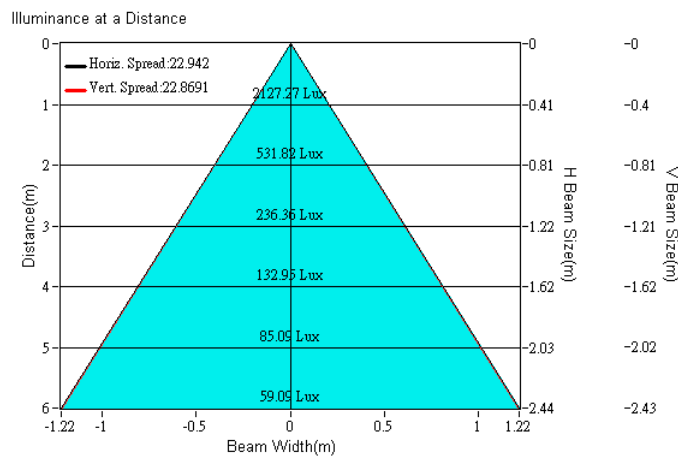
## Optical Characteristics

Model Number	CKO-M712-045011-4401	
LED	XP-E	
LES / LED Size	Φ 3.5 x 3.5 mm	
FWHM (D50)	23°	
Field Angle (D10)	43°	
Dimension	Φ =45 mm, Thickness=10.9 mm	
Luminous Flux	476 lm	Measured @ 7.0 W
Material	PC / UL94V0	

## cd/klm



## Illuminance At Distances

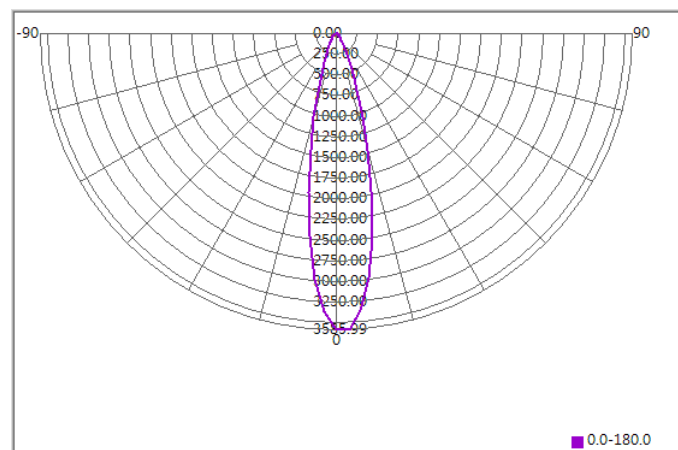




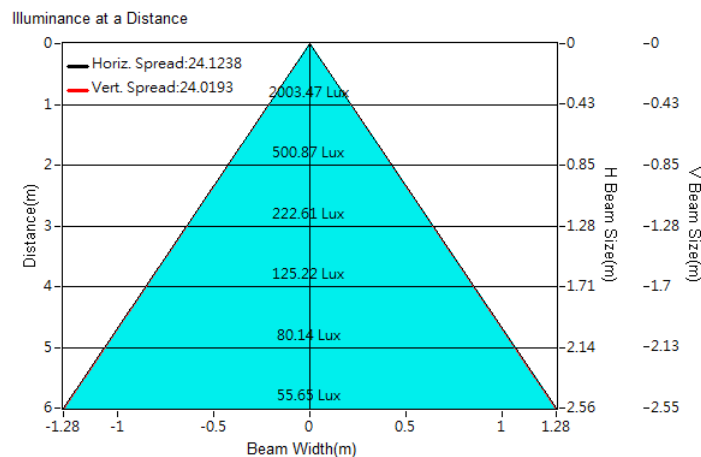
## Optical Characteristics

Model Number	CKO-M712-045011-4401	
LED	XP-G	
LES / LED Size	Φ 3.5 x 3.5 mm	
FWHM (D50)	25°	
Field Angle (D10)	48°	
Dimension	Φ =45 mm, Thickness=10.9 mm	
Luminous Flux	558 lm	Measured @ 9.0 W
Material	PC / UL94V0	

## cd/klm



## Illuminance At Distances

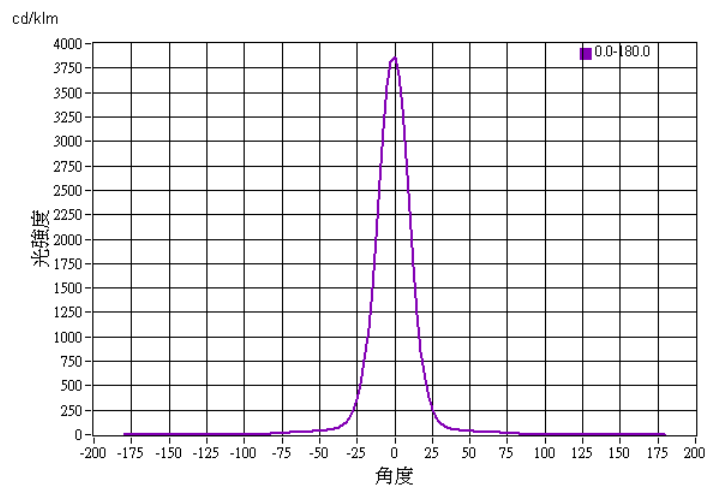




## Optical Characteristics

Model Number	CKO-M712-045011-4401	
LED	XP-G2	
LES / LED Size	Φ 3.5 x 3.5 mm	
FWHM (D50)	24°	
Field Angle (D10)	47°	
Dimension	Φ =45 mm, Thickness=10.9 mm	
Luminous Flux	790 lm	Measured @ 6.9 W
Material	PC / UL94V0	

## cd/klm



## Illuminance At Distances

