



Product Model Number

CKO - M 8 1 8 - 1 2 0 0 2 0 - 1 0 0 3

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

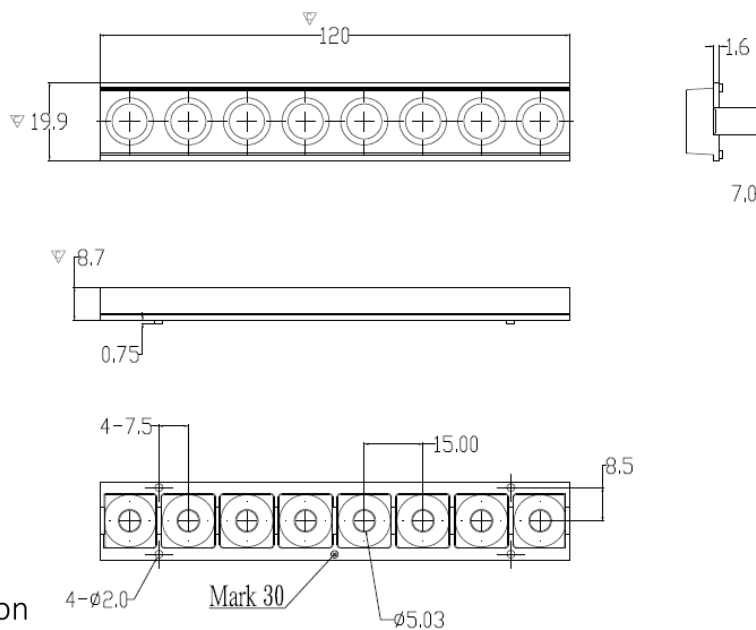


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
MX→Multi 33 in 1
SW→Single Wall Washer
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

- 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) : 120 x 19.9 x 8.7



▽:Critical Dimension



✓ Optical Characteristics – Angle Performances

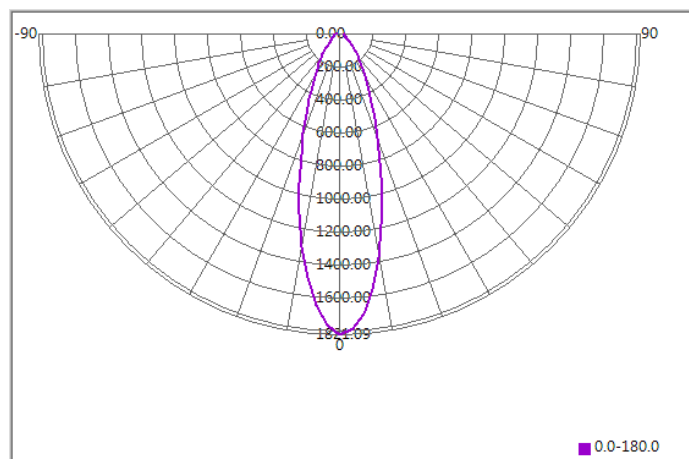
Cree	LED LES (mm)	FWHM (degrees)	Field Angle (degrees)
Cree J Series 3030	3.0 x 3.0	31°	77°
XP-E2	3.5 x 3.5	31°	77°
XP-G2	3.5 x 3.5	36°	83°
XP-G3	3.5 x 3.5	38°	86°



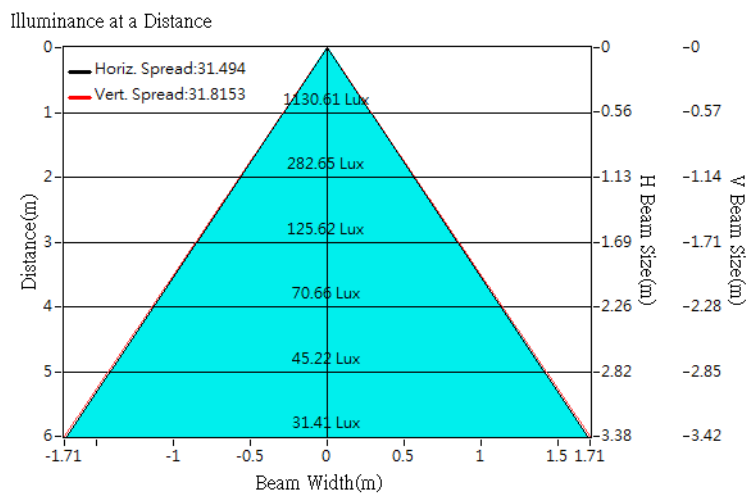
Optical Characteristics

Model Number	CKO-M818-120020-1003	
LED	Cree J Series 3030	
LES / LED Size	3 x 3 mm	
FWHM (D50)	31°	
Field Angle (D10)	77°	
Dimension	wxh =120 x 19.9 mm, Thickness=8.7 mm	
Luminous Flux	621 lm	Measured @ 4.6 W
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

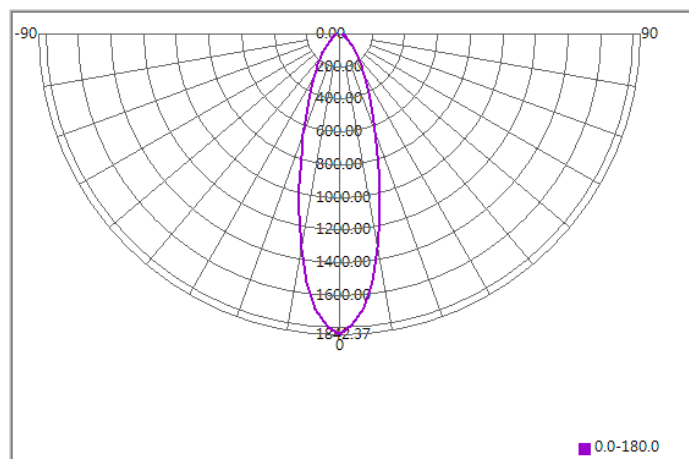




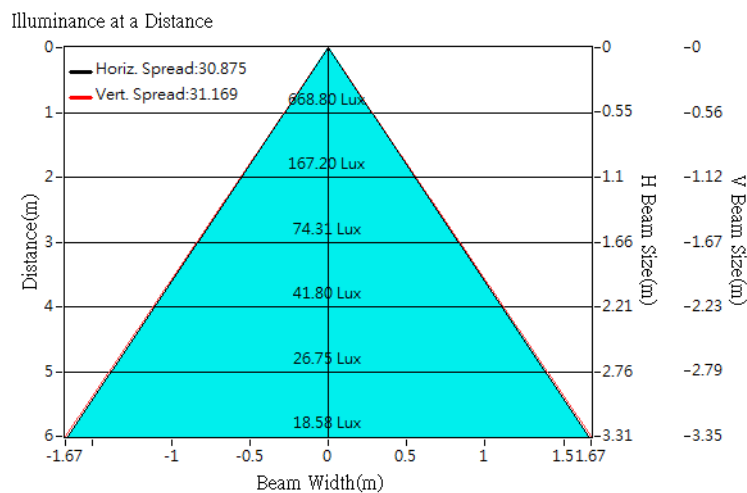
Optical Characteristics

Model Number	CKO-M818-120020-1003	
LED	XP-E2	
LES / LED Size	3.5 x 3.5 mm	
FWHM (D50)	31°	
Field Angle (D10)	77°	
Dimension	wxh =120 x 19.9 mm, Thickness=8.7 mm	
Luminous Flux	363 lm	Measured @ 3.5 W
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

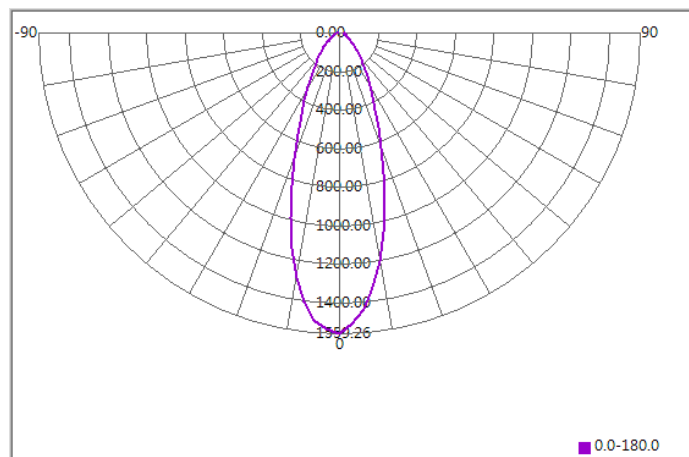




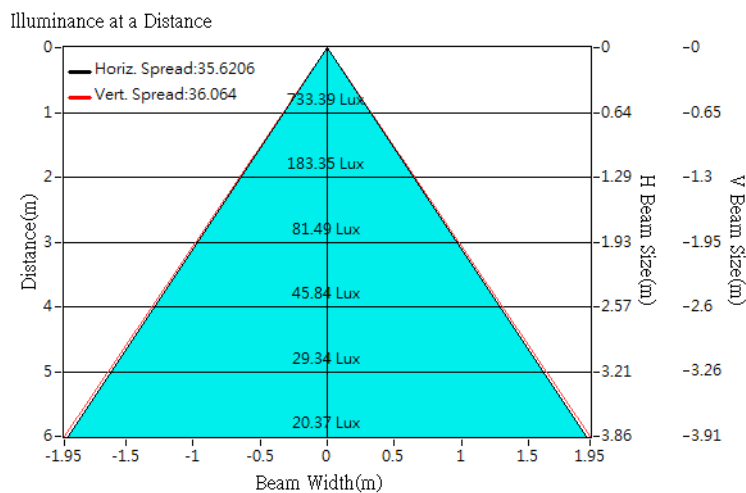
Optical Characteristics

Model Number	CKO-M818-120020-1003	
LED	XP-G2	
LES / LED Size	3.5 x 3.5 mm	
FWHM (D50)	36°	
Field Angle (D10)	83°	
Dimension	wxh =120 x 19.9 mm, Thickness=8.7 mm	
Luminous Flux	470 lm	Measured @ 3.3 W
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

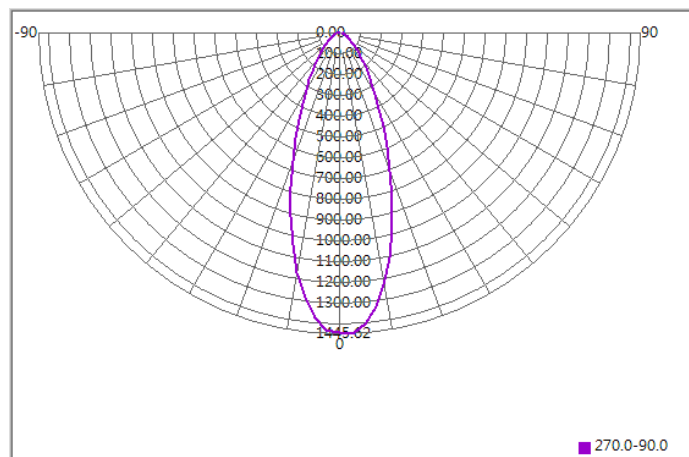




Optical Characteristics

Model Number	CKO-M818-120020-1003	
LED	XP-G3	
LES / LED Size	3.5 x 3.5 mm	
FWHM (D50)	38°	
Field Angle (D10)	86°	
Dimension	wxh =120 x 19.9 mm, Thickness=8.7 mm	
Luminous Flux	540 lm	Measured @ 3.3 W
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

