



## Product Model Number

**CKO-SA18-035018-1309**

### ✓ Model Number Definitions

**CKO-XXXX-XXXXXX-XXXX**

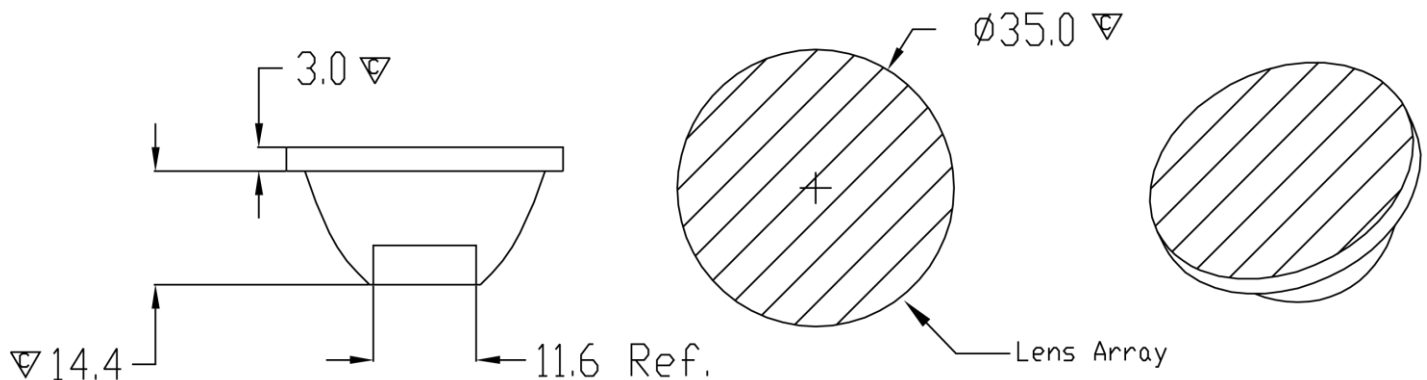


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation  
Ex:  
CH→CoB High Intensity  
CC→CoB Compact  
CS→Soft Shading for CoB LED  
HC→Holder for CoB LED

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

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

### ✓ Dimensions (mm) : Φ35 x 17.4

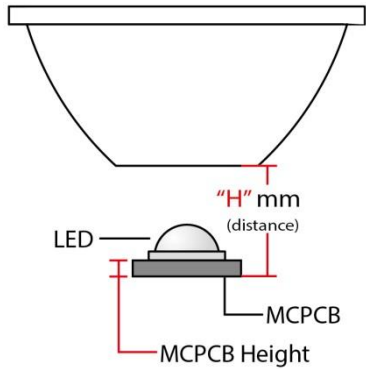


▽:Critical Dimension

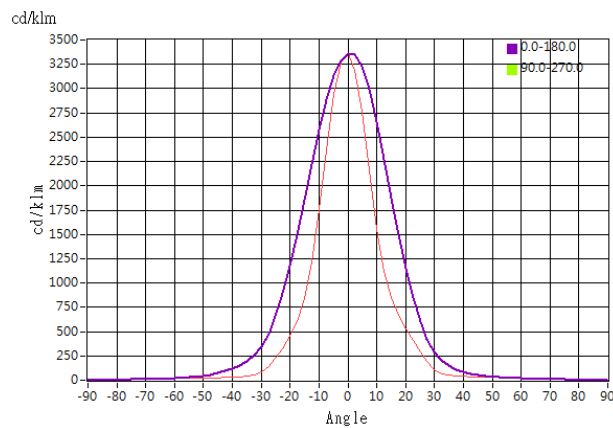




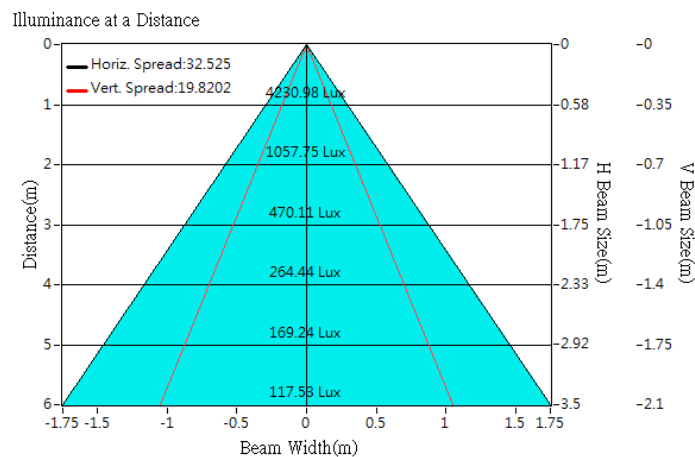
## Optical Characteristics

Model Number	CKO-SA18-035018-1309		<p>"H" definition</p> 
LED	<b>MHD-G</b>		
LES / LED Size	7.0 x 7.0		
FWHM (D50)	19°x33°		
Field Angle (D10)	46°x59°		
H (distance)	2.5 mm		
MCPCB Height	1.6 mm		
Dimension	Φ =35 mm, Thickness=17.4 mm		
Luminous Flux	1259 lm	Measured @ 12.6 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

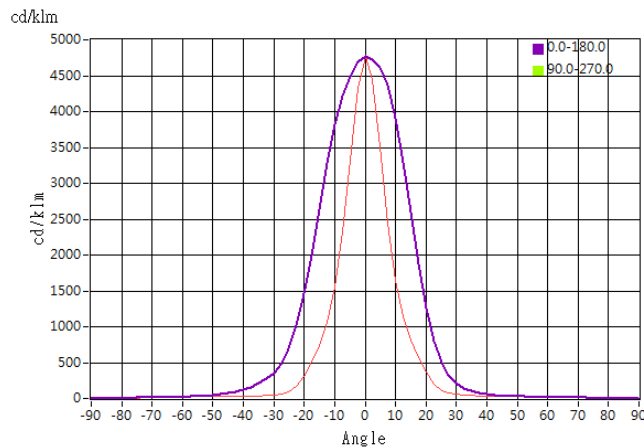




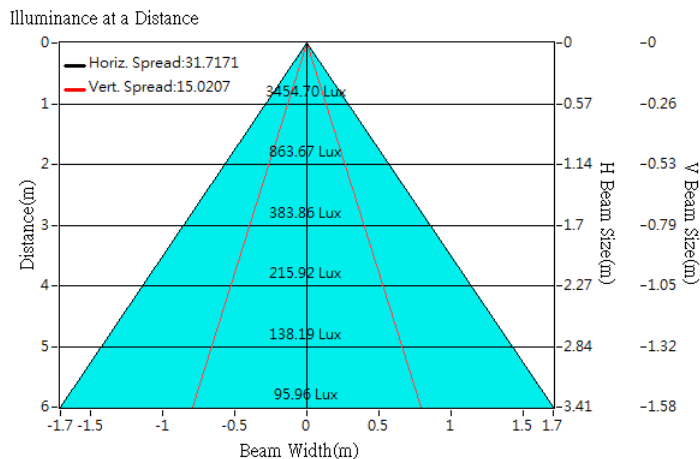
## Optical Characteristics

Model Number	CKO-SA18-035018-1309		<p>"H" definition</p>
LED	<b>CMA1303</b>		
LES / LED Size	Φ 4.5 mm		
FWHM (D50)	15°x32°		
Field Angle (D10)	36°x53°		
H (distance)	2.5 mm		
Dimension	Φ =35 mm, Thickness= 17.4 mm		
Luminous Flux	724 lm	Measured @ 7.2 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

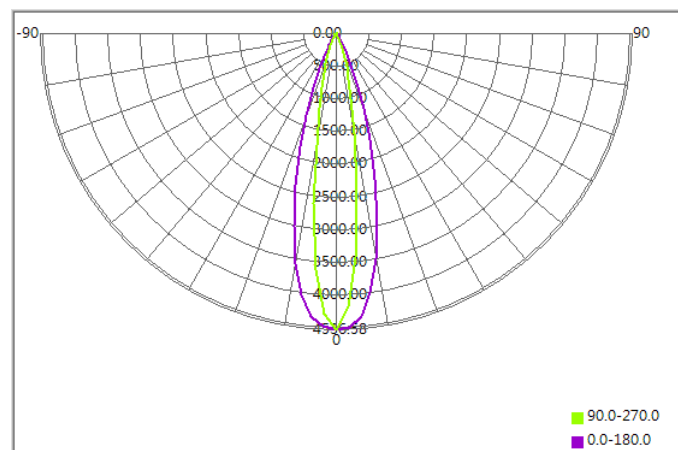




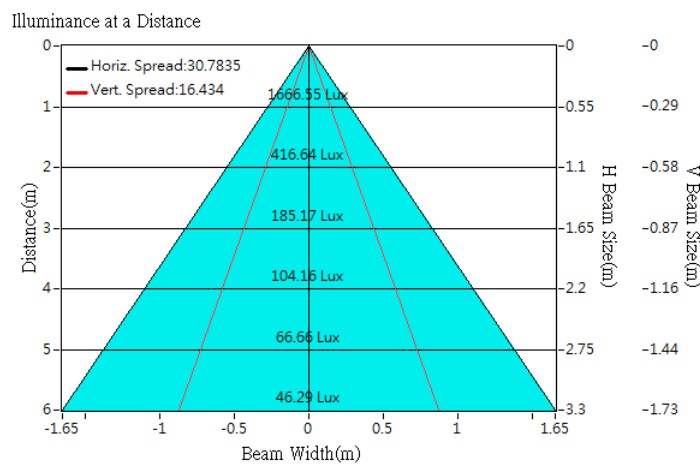
## Optical Characteristics

Model Number	CKO-SA18-035018-1309		<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CXA1304</b>		
LES / LED Size	Φ 6 mm		
FWHM (D50)	16°x31°		
Field Angle (D10)	39°x53°		
H (distance)	2.5 mm		
Dimension	Φ =35 mm, Thickness= 17.4 mm		
Luminous Flux	367 lm	Measured @ 4.3 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

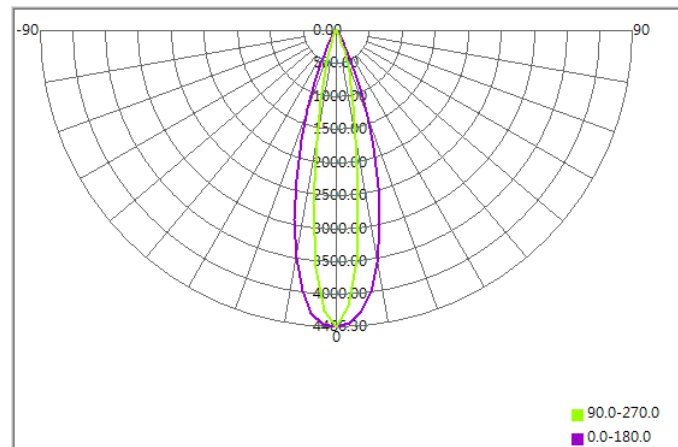




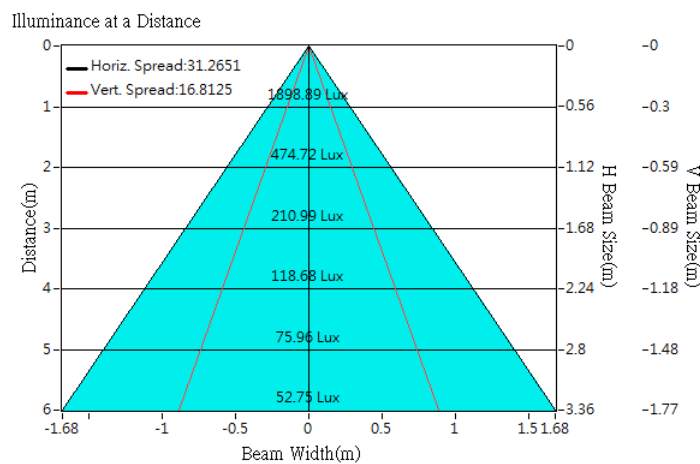
## Optical Characteristics

Model Number	CKO-SA18-035018-1309		<p>"H" definition</p>
LED	<b>CXB1304</b>		
LES / LED Size	Φ 6 mm		
FWHM (D50)	16°x31°		
Field Angle (D10)	39°x53°		
H (distance)	2.5 mm		
Dimension	Φ =35 mm, Thickness= 17.4 mm		
Luminous Flux	423 lm	Measured @ 3.5 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

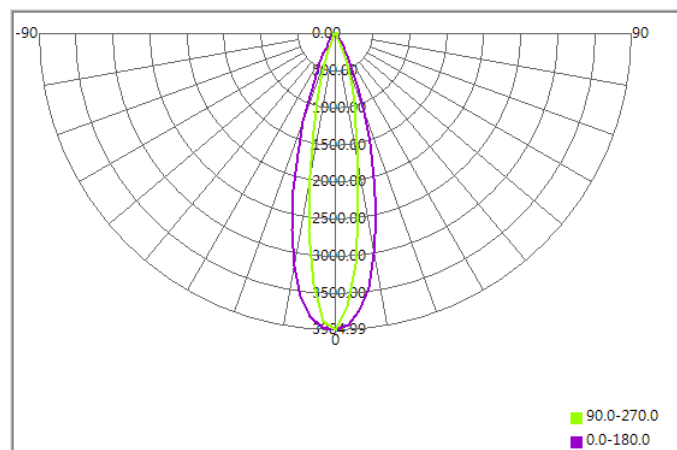




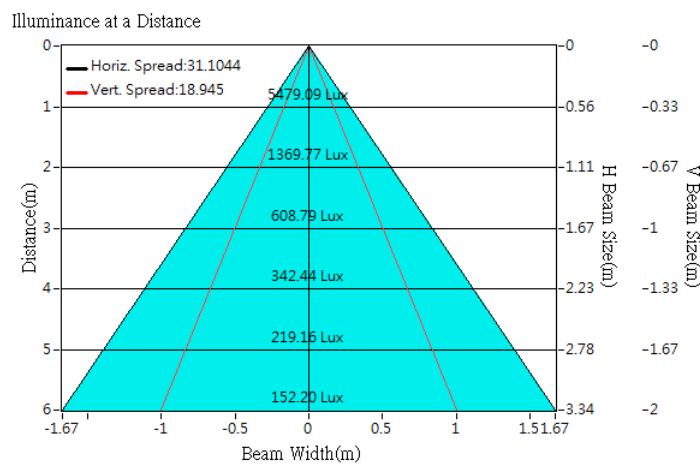
## Optical Characteristics

Model Number	CKO-SA18-035018-1309		<p>"H" definition</p>
LED	<b>CXB1310</b>		
LES / LED Size	Φ 6 mm		
FWHM (D50)	18°x31°		
Field Angle (D10)	42°x56°		
H (distance)	2.5 mm		
Dimension	Φ =35 mm, Thickness= 17.4 mm		
Luminous Flux	1374 lm	Measured @ 12.9 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

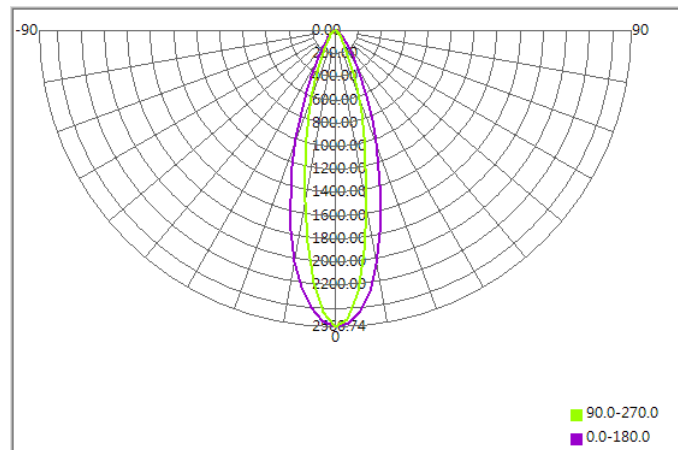




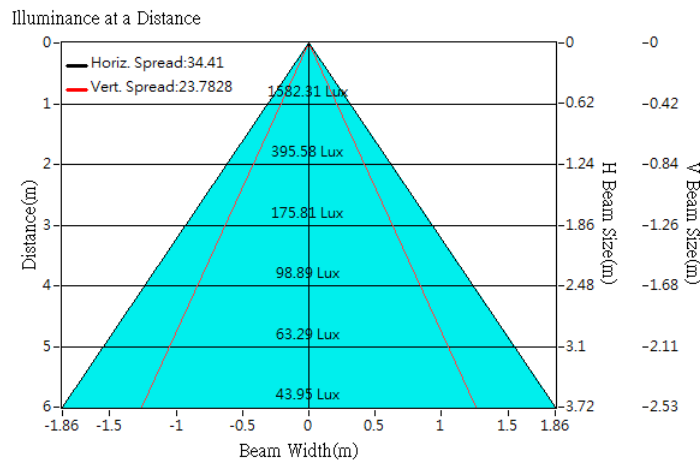
## Optical Characteristics

Model Number	CKO-SA18-035018-1309		<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CXA1507</b>		
LES / LED Size	Φ 9 mm		
FWHM (D50)	24°x34°		
Field Angle (D10)	54°x68°		
H (distance)	2.5 mm		
Dimension	Φ =35 mm, Thickness= 17.4 mm		
Luminous Flux	617 lm	Measured @ 7.7 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances



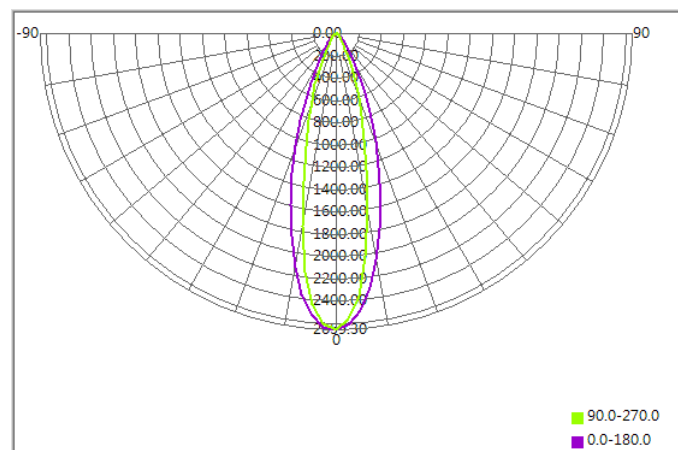




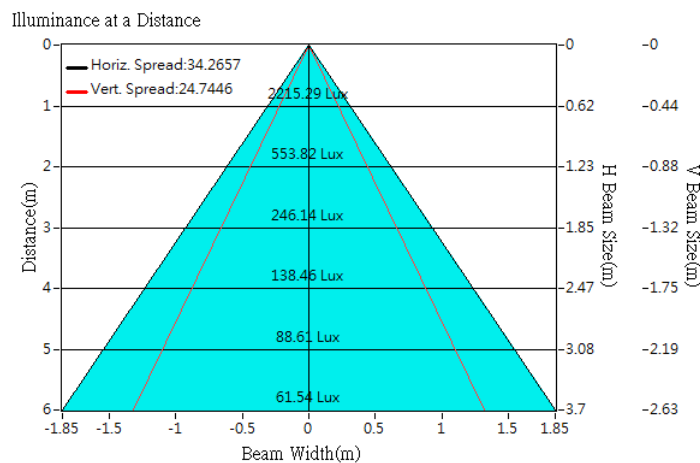
## Optical Characteristics

Model Number	CKO-SA18-035018-1309		<p>"H" definition</p>
LED	CXB1507		
LES / LED Size	Φ 9 mm		
FWHM (D50)	25°x34°		
Field Angle (D10)	54°x67°		
H (distance)	2.5 mm		
Dimension	Φ =35 mm, Thickness= 17.4 mm		
Luminous Flux	833 lm	Measured @ 7.2 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

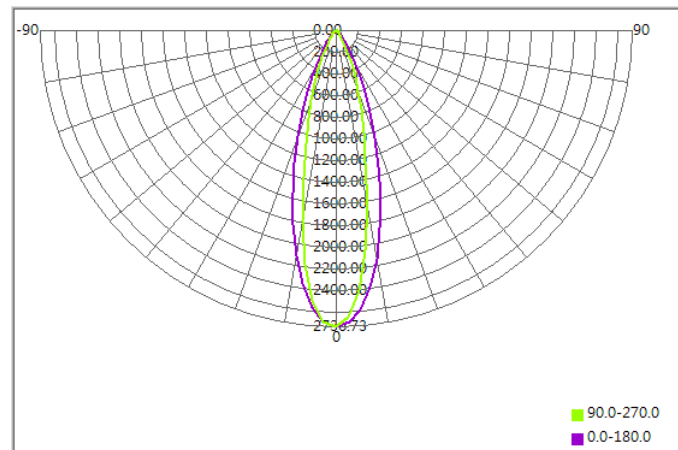




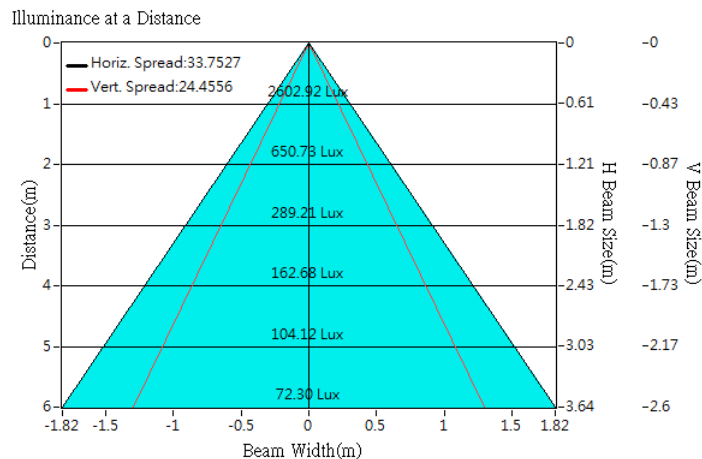
## Optical Characteristics

Model Number	CKO-SA18-035018-1309		<p>"H" definition</p>
LED	<b>CXA1512</b>		
LES / LED Size	Φ 9 mm		
FWHM (D50)	24°x34°		
Field Angle (D10)	53°x65°		
H (distance)	2.5 mm		
Dimension	Φ =35 mm, Thickness= 17.4 mm		
Luminous Flux	951 lm	Measured @ 9.1 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

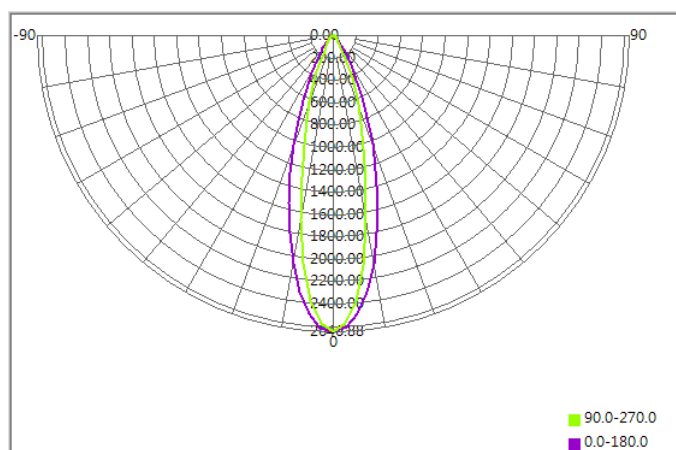




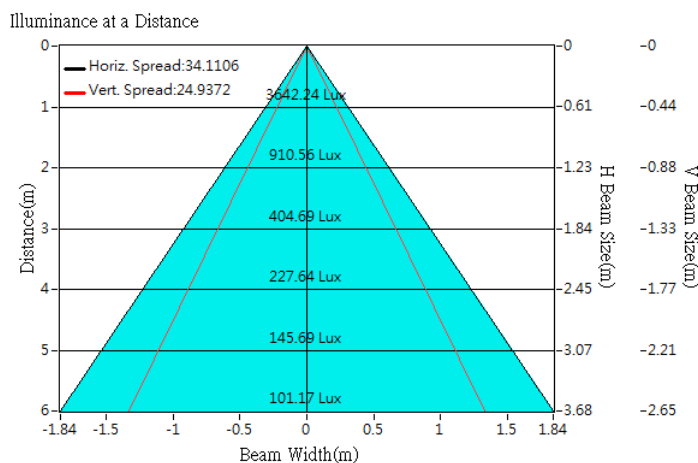
## Optical Characteristics

Model Number	CKO-SA18-035018-1309		<p>"H" definition</p> <p>LES CoB</p>
LED	CXB1512		
LES / LED Size	Φ 9 mm		
FWHM (D50)	25°x34°		
Field Angle (D10)	55°x66°		
H (distance)	2.5 mm		
Dimension	Φ =35 mm, Thickness= 17.4 mm		
Luminous Flux	1376 lm	Measured @ 12.3 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

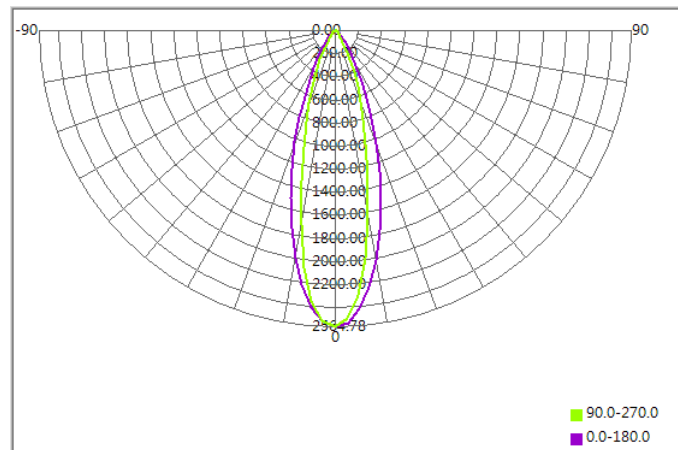




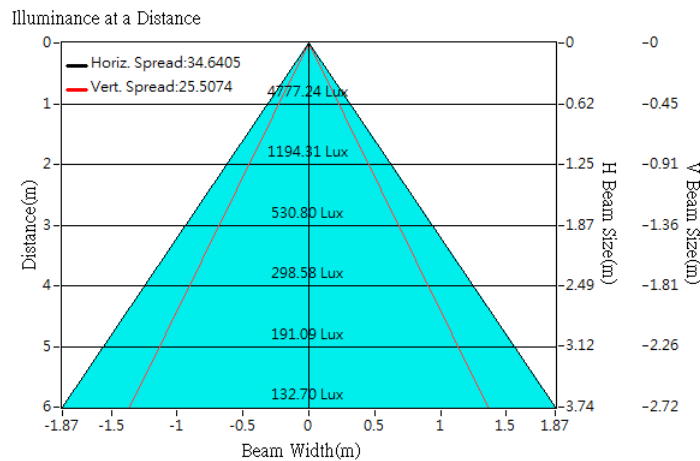
## Optical Characteristics

Model Number	CKO-SA18-035018-1309		<p>"H" definition</p>
LED	<b>CMA1516</b>		
LES / LED Size	Φ 9 mm		
FWHM (D50)	26°x35°		
Field Angle (D10)	56°x68°		
H (distance)	2.5 mm		
Dimension	Φ =35 mm, Thickness= 17.4 mm		
Luminous Flux	1862 lm	Measured @ 15.7 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

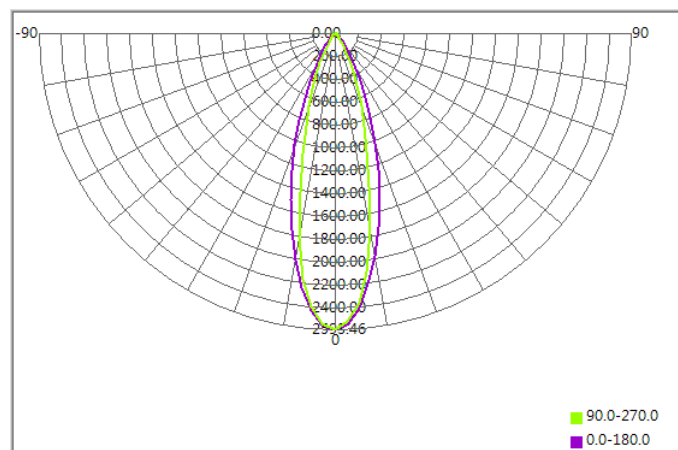




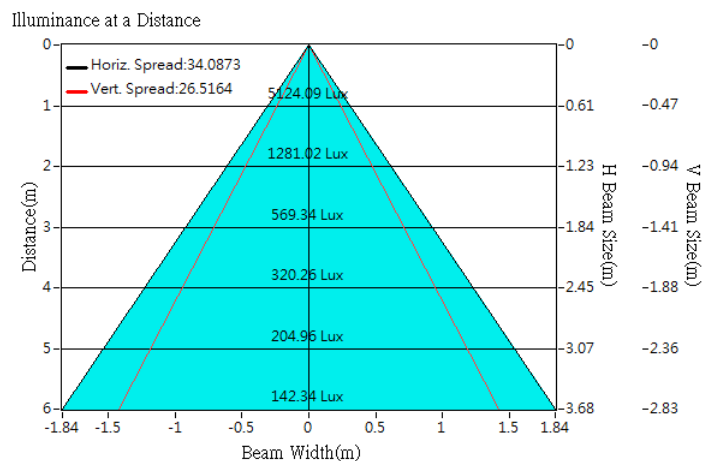
## Optical Characteristics

Model Number	CKO-SA18-035018-1309		<p>"H" definition</p>
LED	<b>CXB1520</b>		
LES / LED Size	Φ 9 mm		
FWHM (D50)	27°x34°		
Field Angle (D10)	57°x66°		
H (distance)	2.5 mm		
Dimension	Φ =35 mm, Thickness= 17.4 mm		
Luminous Flux	1975 lm	Measured @ 17.1 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

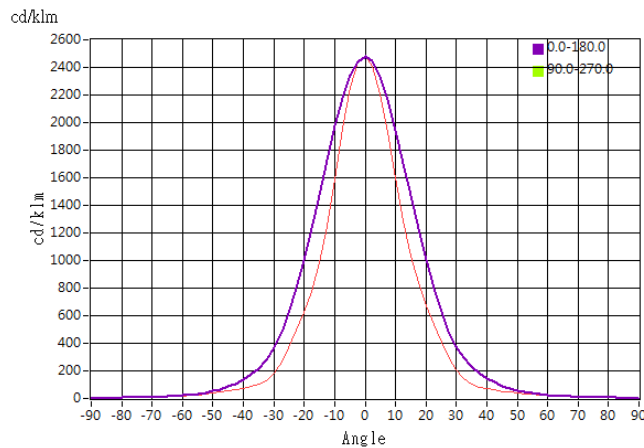




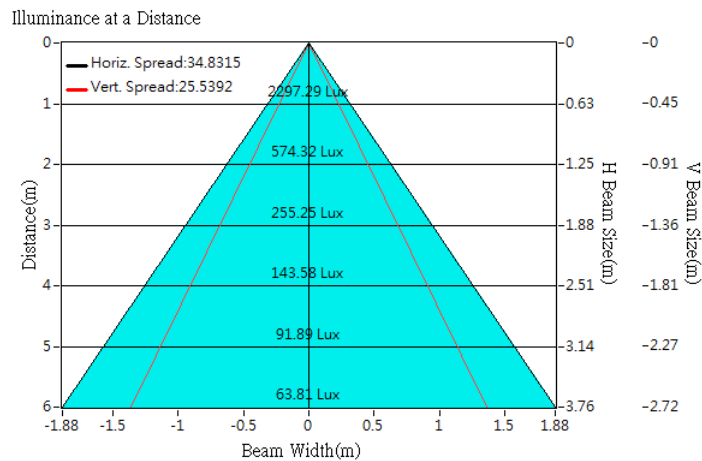
## Optical Characteristics

Model Number	CKO-SA18-035018-1309		<p>"H" definition</p> <p>LES</p> <p>CoB</p>
LED	<b>CMT1407</b>		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	26°x35°		
Field Angle (D10)	57°x69°		
H (distance)	2.5 mm		
Dimension	Φ =35 mm, Thickness= 17.4 mm		
Luminous Flux	927 lm	Measured @ 7 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

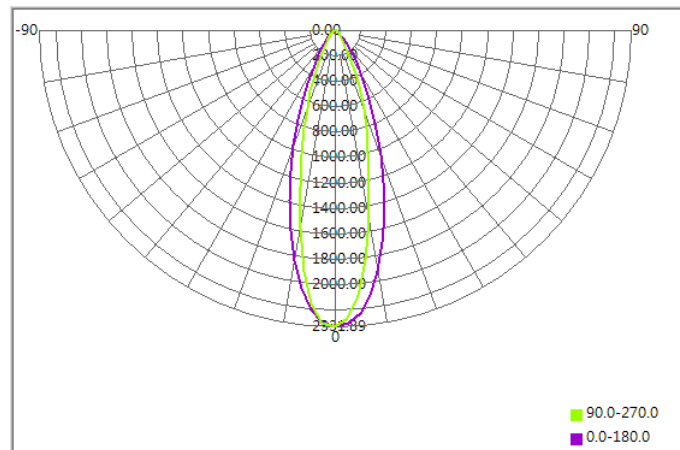




## Optical Characteristics

Model Number	CKO-SA18-035018-1309		<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CMT1412</b>		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	27°x36°		
Field Angle (D10)	59°x71°		
H (distance)	2.5 mm		
Dimension	Φ =35 mm, Thickness= 17.4 mm		
Luminous Flux	1510 lm	Measured @ 12.2 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

