



Product Model Number

CKO-SA18-035018-1311

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

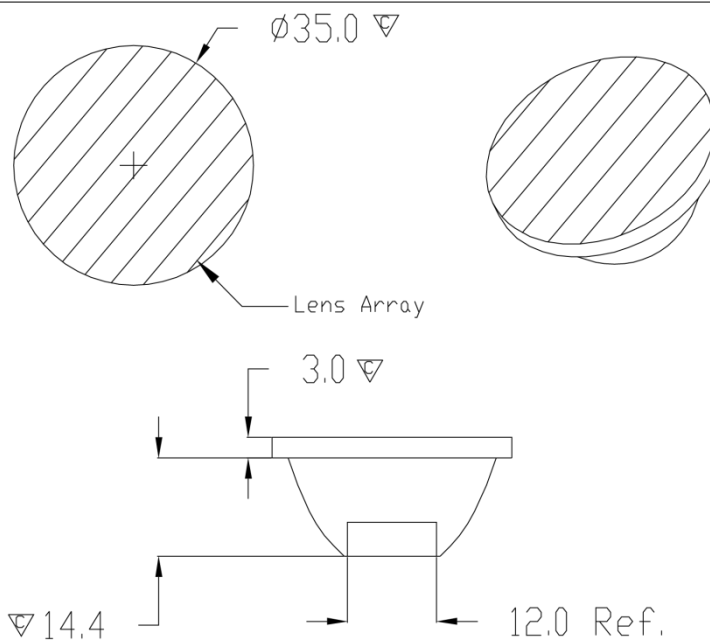


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
- Ex:
- CH→CoB High Intensity
- CC→CoB Compact
- CS→Soft Shading for CoB LED
- HC→Holder for CoB LED

- 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 17.4



▽:Critical Dimension

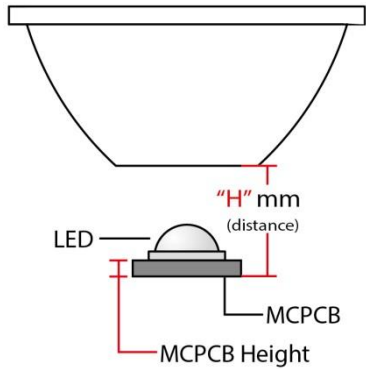


✓ **Optical Characteristics – Angle Performances**

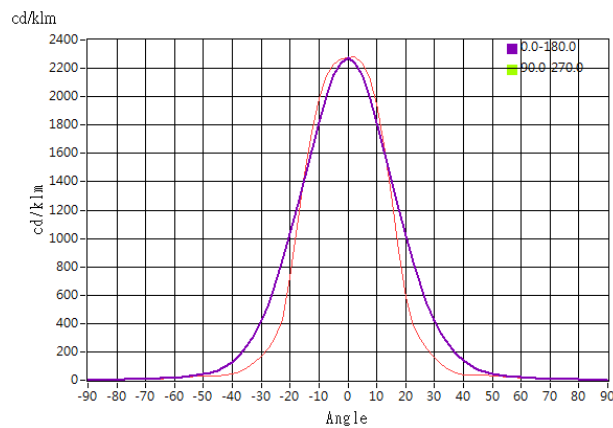
Cree	LED LES (mm)	FWHM (degrees)	Field Angle (degrees)
MHD-G	7.0 x 7.0	33°x37°	55°x71°
CMA1303	Φ4.5	24°x32°	42°x61°
CXA1304	Φ6	28°x34°	48°x66°
CXB1304	Φ6	27°x33°	47°x64°
CMA1306	Φ6	25°x33°	45°x63°
CXB1310	Φ6	26°x33°	45°x63°
CXA1507	Φ9	31°x37°	60°x73°
CXB1507	Φ9	33°x37°	58°x72°
CXA1510	Φ9	33°x37°	59°x72°
CXA1512	Φ9	31°x36°	55°x70°
CXB1512	Φ9	32°x37°	59°x72°
CMA1516	Φ9	33°x37°	60°x73°
CXB1520	Φ9	35°x38°	60°x74°
CMT1407	Φ9.8	32°x37°	61°x73°
CMT1412	Φ9.8	34°x38°	62°x74°



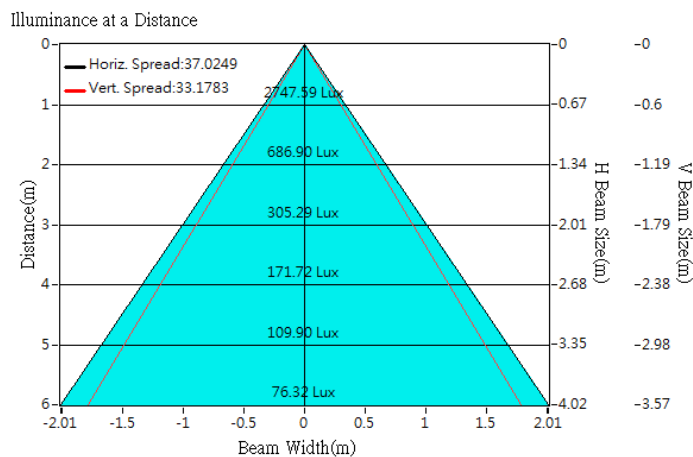
Optical Characteristics

Model Number	CKO-SA18-035018-1311		<p>"H" definition</p> 
LED	MHD-G		
LES / LED Size	7.0 x 7.0		
FWHM (D50)	33°x37°		
Field Angle (D10)	55°x71°		
H (distance)	2.5 mm		
MCPCB Height	1.6 mm		
Dimension	Φ =35 mm, Thickness=17.4 mm		
Luminous Flux	1207 lm	Measured @ 12.6 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

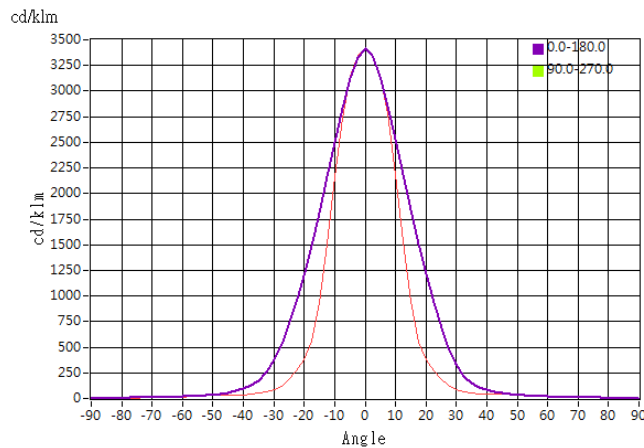




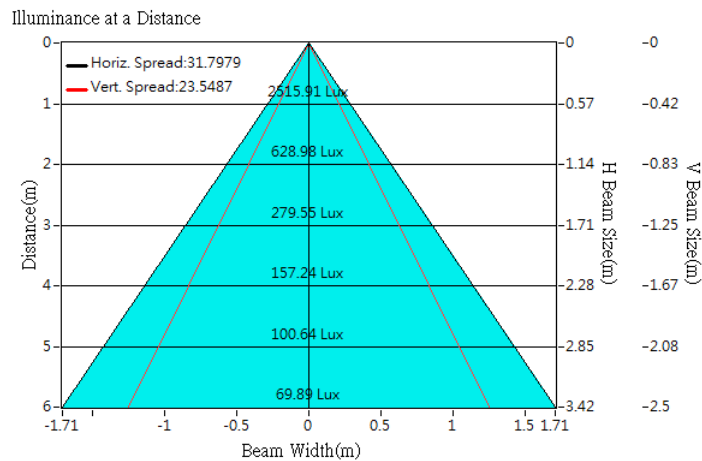
Optical Characteristics

Model Number	CKO-SA18-035018-1311		<p>"H" definition</p>
LED	CMA1303		
LES / LED Size	Φ 4.5 mm		
FWHM (D50)	24°x32°		
Field Angle (D10)	42°x61°		
H (distance)	2.5 mm		
Dimension	Φ =35 mm, Thickness= 17.4 mm		
Luminous Flux	735 lm	Measured @ 7.1 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

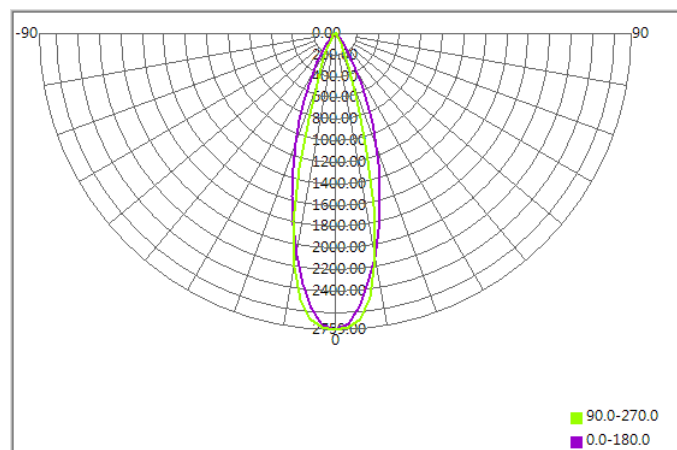




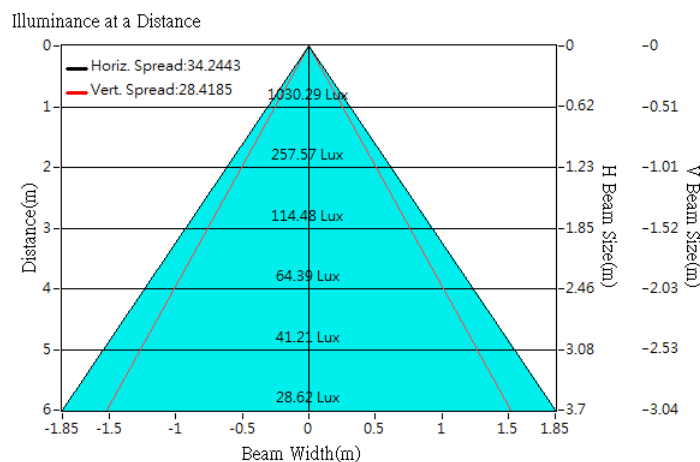
Optical Characteristics

Model Number	CKO-SA18-035018-1311		<p>"H" definition</p>
LED	CXA1304		
LES / LED Size	Φ 6 mm		
FWHM (D50)	28°x34°		
Field Angle (D10)	48°x66°		
H (distance)	2.5 mm		
Dimension	Φ =35 mm, Thickness= 17.4 mm		
Luminous Flux	373 lm	Measured @ 4.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

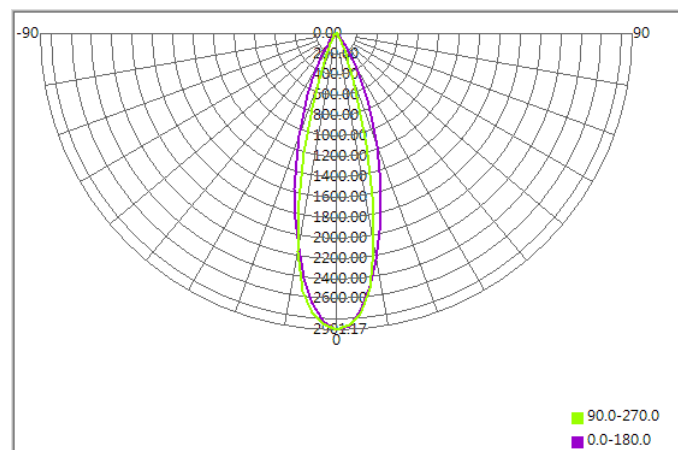




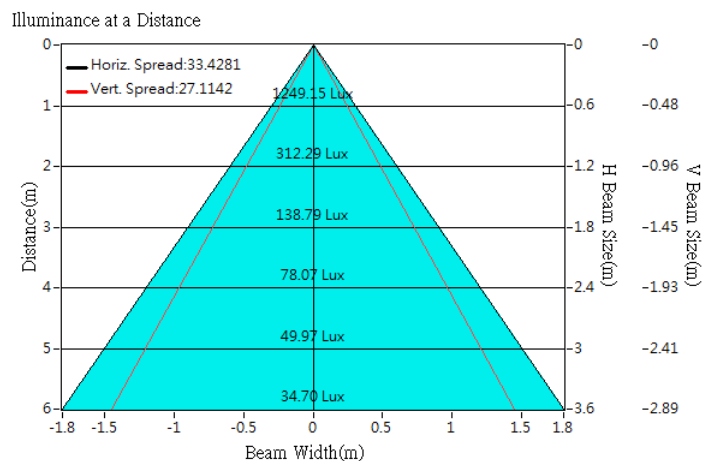
Optical Characteristics

Model Number	CKO-SA18-035018-1311		<p>"H" definition</p>
LED	CXB1304		
LES / LED Size	Φ 6 mm		
FWHM (D50)	27°x33°		
Field Angle (D10)	47°x64°		
H (distance)	2.5 mm		
Dimension	Φ =35 mm, Thickness= 17.4 mm		
Luminous Flux	430 lm	Measured @ 3.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

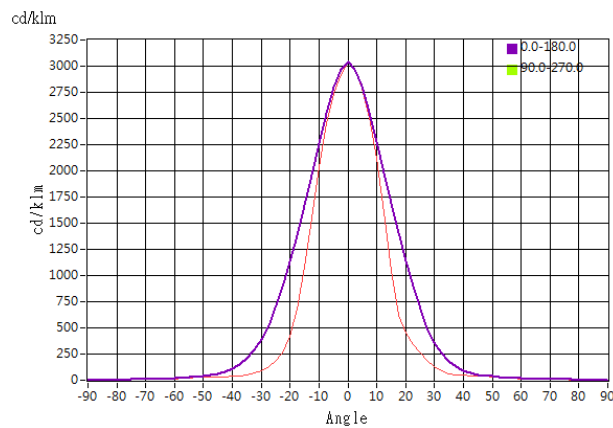




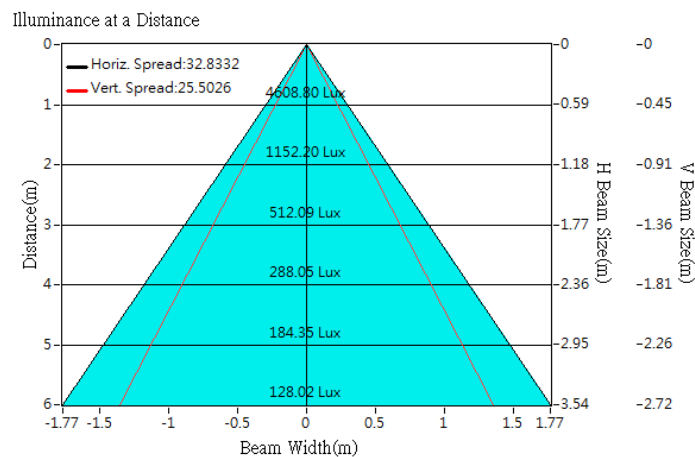
Optical Characteristics

Model Number	CKO-SA18-035018-1311	<p>"H" definition</p>
LED	CXB1310	
LES / LED Size	Φ 6 mm	
FWHM (D50)	26°x33°	
Field Angle (D10)	45°x63°	
H (distance)	2.5 mm	
Dimension	Φ =35 mm, Thickness= 17.4 mm	
Luminous Flux	1517 lm	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

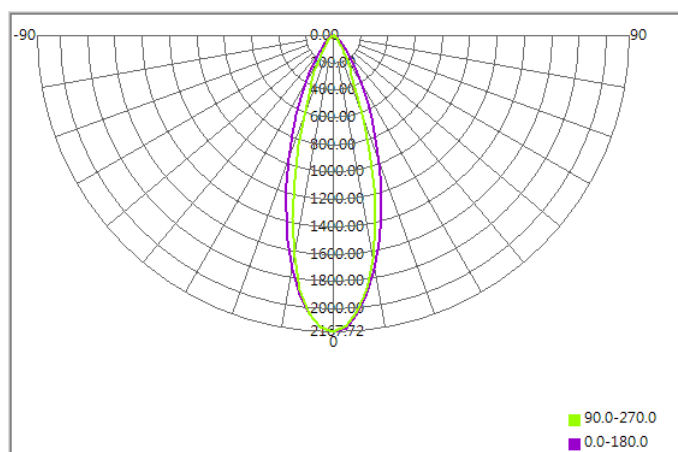




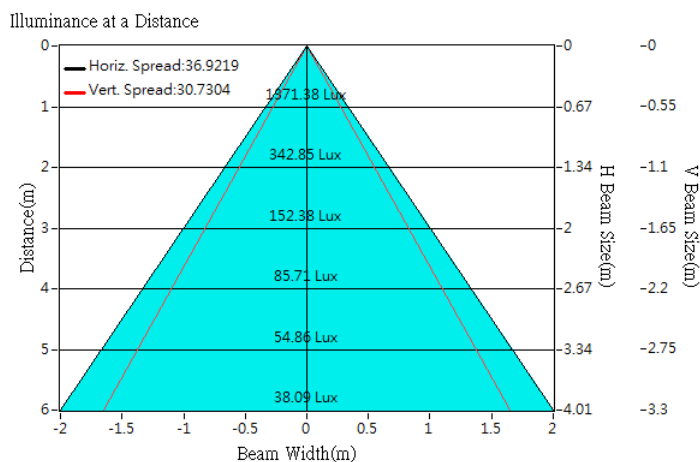
Optical Characteristics

Model Number	CKO-SA18-035018-1311		<p>"H" definition</p> <p>LES CoB</p>
LED	CXA1507		
LES / LED Size	Φ 9 mm		
FWHM (D50)	31°x37°		
Field Angle (D10)	60°x73°		
H (distance)	2.5 mm		
Dimension	Φ =35 mm, Thickness= 17.4 mm		
Luminous Flux	632 lm	Measured @ 7.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

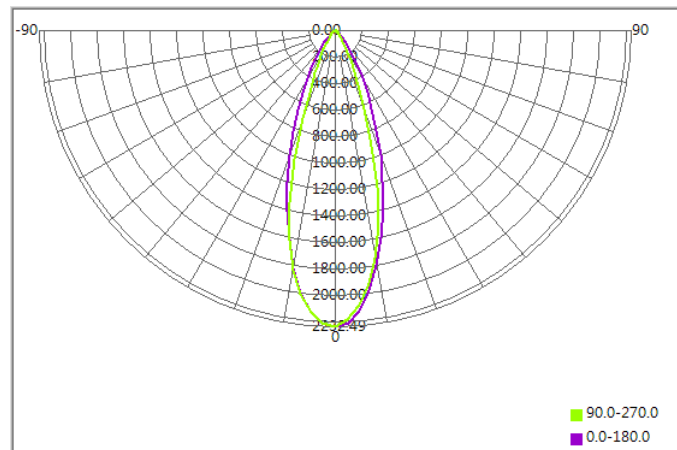




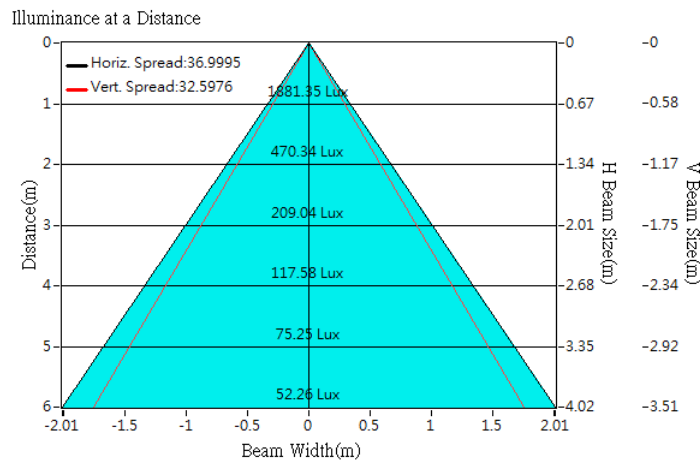
Optical Characteristics

Model Number	CKO-SA18-035018-1311		<p>"H" definition</p>
LED	CXB1507		
LES / LED Size	Φ 9 mm		
FWHM (D50)	33°x37°		
Field Angle (D10)	58°x72°		
H (distance)	2.5 mm		
Dimension	Φ =35 mm, Thickness= 17.4 mm		
Luminous Flux	842 lm	Measured @ 7.2 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

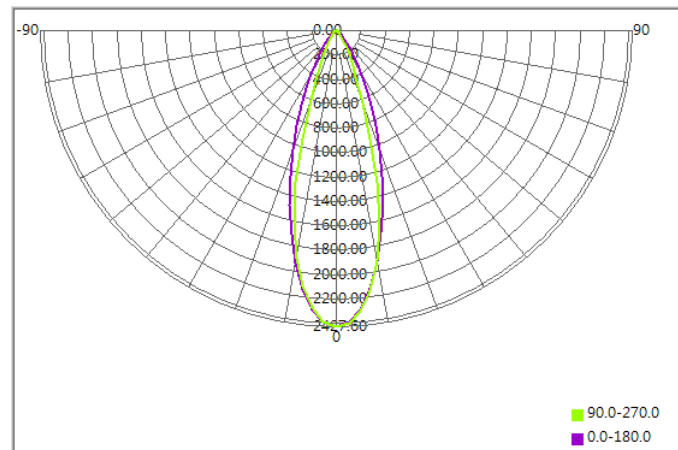




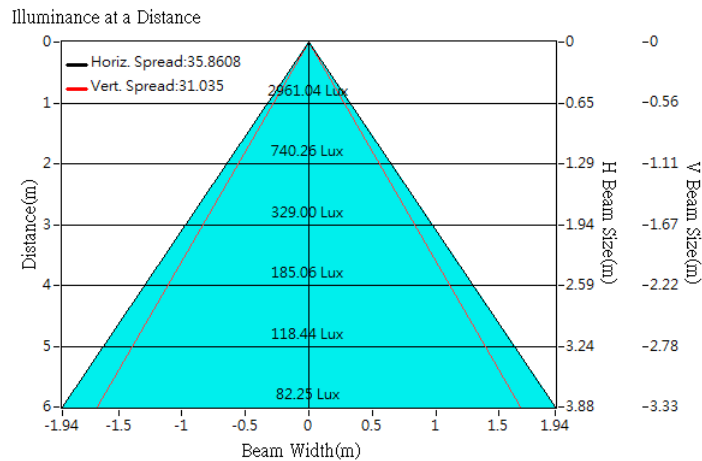
Optical Characteristics

Model Number	CKO-SA18-035018-1311		<p>"H" definition</p>
LED	CXA1512		
LES / LED Size	Φ 9 mm		
FWHM (D50)	31°x36°		
Field Angle (D10)	55°x70°		
H (distance)	2.5 mm		
Dimension	Φ =35 mm, Thickness= 17.4 mm		
Luminous Flux	1219 lm	Measured @ 13.2 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

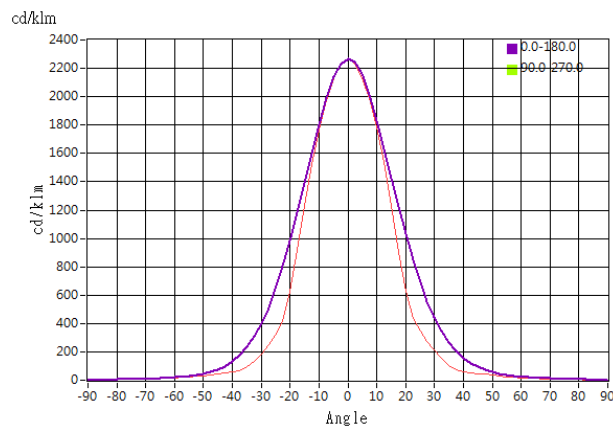




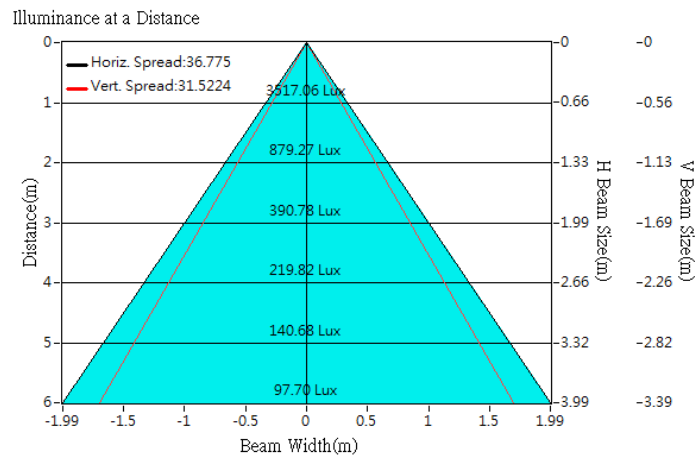
Optical Characteristics

Model Number	CKO-SA18-035018-1311		<p>"H" definition</p> <p>LES CoB</p>
LED	CXB1512		
LES / LED Size	Φ 9 mm		
FWHM (D50)	32°x37°		
Field Angle (D10)	59°x72°		
H (distance)	2.5 mm		
Dimension	Φ =35 mm, Thickness= 17.4 mm		
Luminous Flux	1551 lm	Measured @ 11.99 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

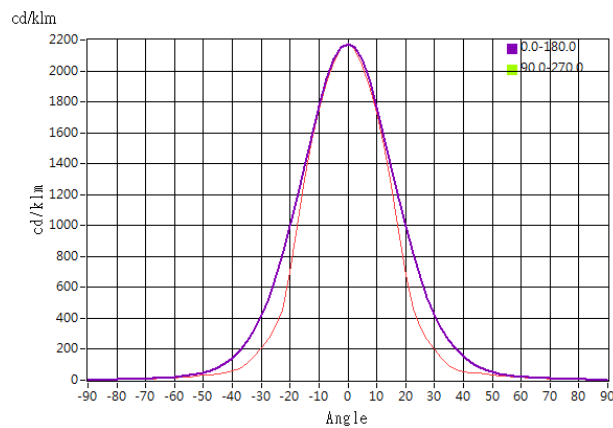




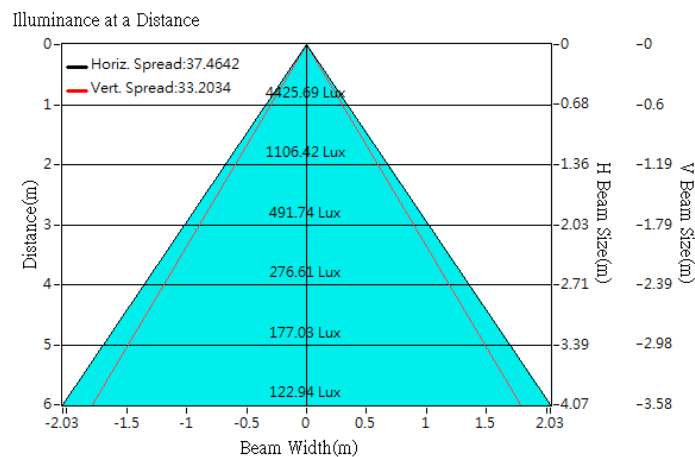
Optical Characteristics

Model Number	CKO-SA18-035018-1311		<p>"H" definition</p>
LED	CMA1516		
LES / LED Size	Φ 9 mm		
FWHM (D50)	33°x37°		
Field Angle (D10)	60°x73°		
H (distance)	2.5 mm		
Dimension	Φ =35 mm, Thickness= 17.4 mm		
Luminous Flux	2034 lm	Measured @ 15.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

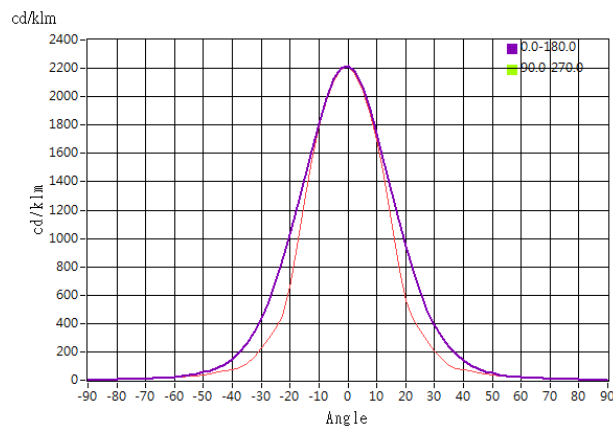




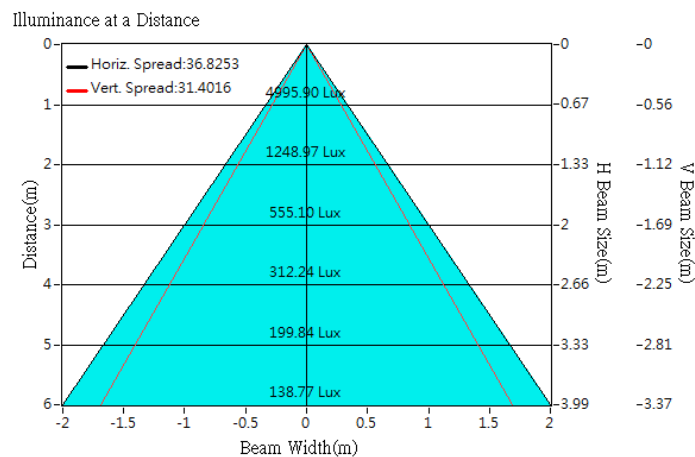
Optical Characteristics

Model Number	CKO-SA18-035018-1311		<p>"H" definition</p> <p>LES CoB</p>
LED	CXB1520		
LES / LED Size	Φ 9 mm		
FWHM (D50)	35°x38°		
Field Angle (D10)	60°x74°		
H (distance)	2.5 mm		
Dimension	Φ =35 mm, Thickness= 17.4 mm		
Luminous Flux	2255 lm	Measured @ 16.6 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

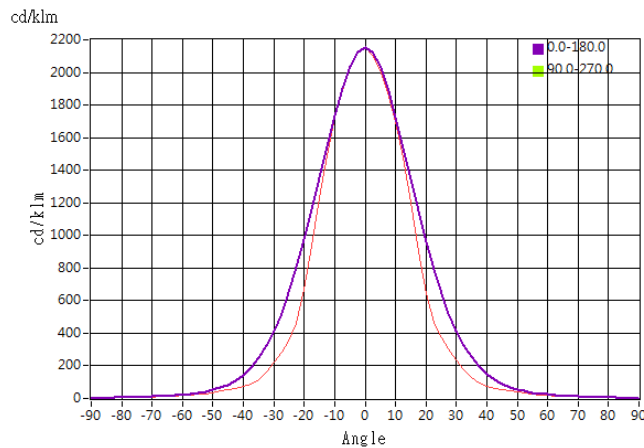




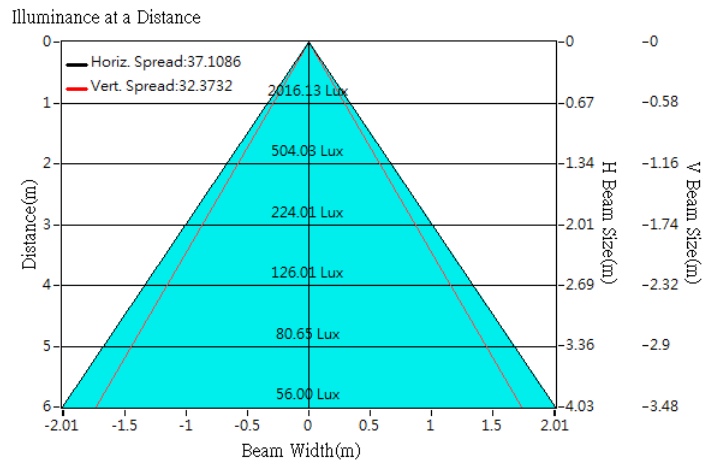
Optical Characteristics

Model Number	CKO-SA18-035018-1311		<p>"H" definition</p>
LED	CMT1407		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	32°x37°		
Field Angle (D10)	61°x73°		
H (distance)	2.5 mm		
Dimension	Φ =35 mm, Thickness= 17.4 mm		
Luminous Flux	937 lm	Measured @ 7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

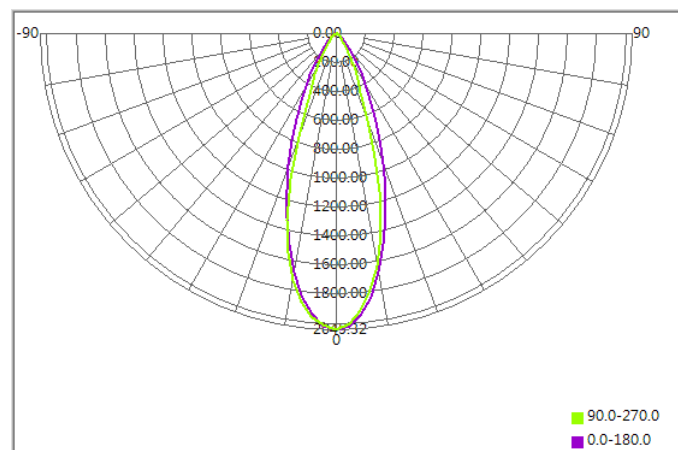




Optical Characteristics

Model Number	CKO-SA18-035018-1311		<p>"H" definition</p> <p>LES CoB</p>
LED	CMT1412		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	34°x38°		
Field Angle (D10)	62°x74°		
H (distance)	2.5 mm		
Dimension	Φ =35 mm, Thickness= 17.4 mm		
Luminous Flux	1462 lm	Measured @ 12.3 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

