



Product Model Number

CKO-CH19-035018-2801

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

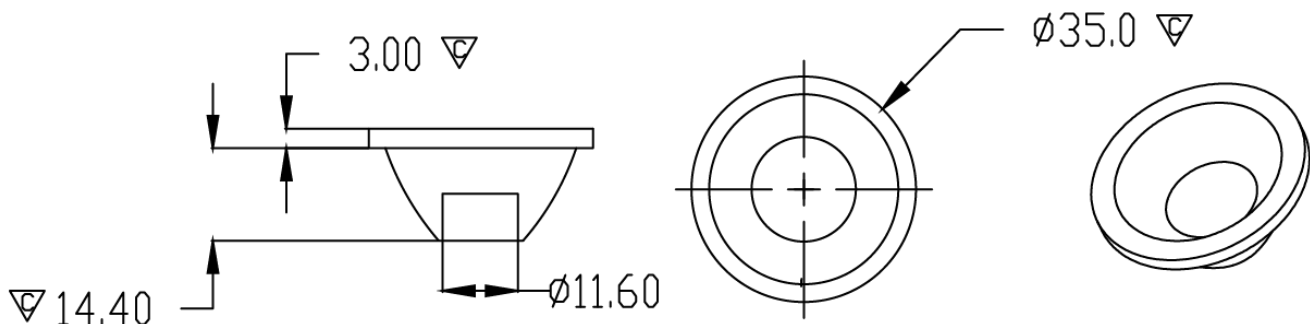


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

- 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



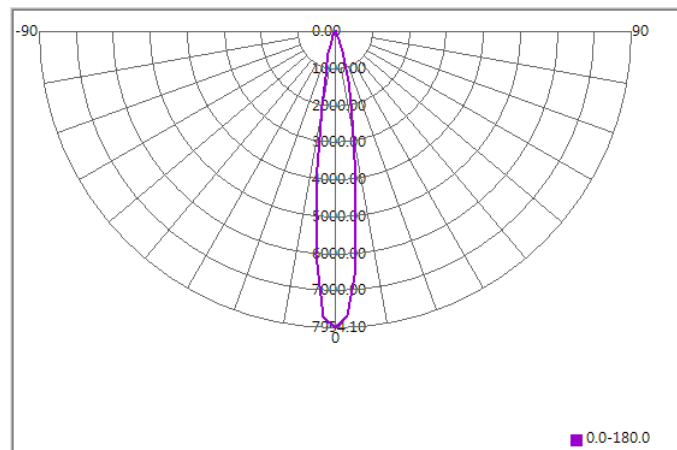
▽:Critical Dimension



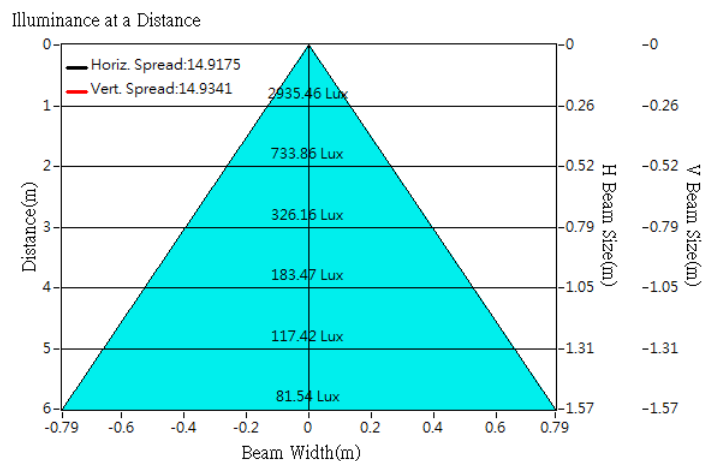
Optical Characteristics

Model Number	CKO-CH19-035018-2801		<p>"H" definition</p>
LED	XD-16 4IN1		
LES / LED Size	1.6 x 1.6		
FWHM (D50)	14°		
Field Angle (D10)	34°		
H (distance)	2.5 mm		
MCPCB Height	1.1 mm		
Dimension	Φ =30 mm, Thickness=15 mm		
Luminous Flux	367 lm	Measured @ 3.3 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

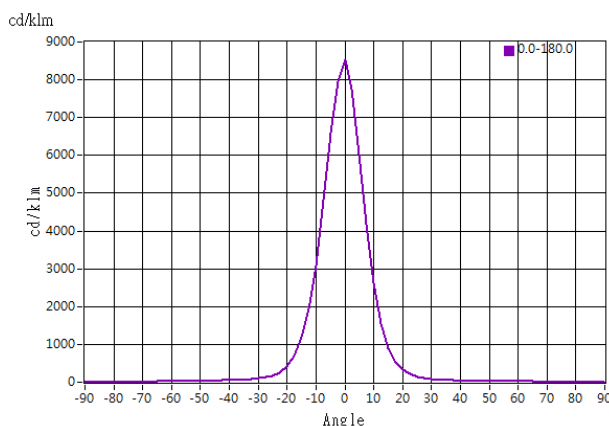




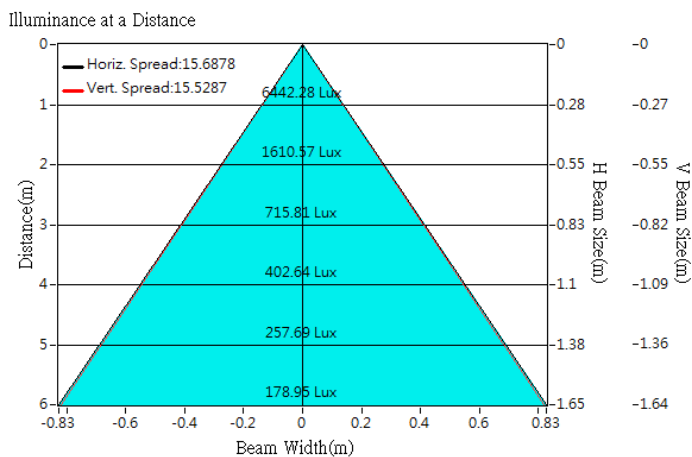
Optical Characteristics

Model Number	CKO-CH19-035018-2801		<p>"H" definition</p>
LED	CMA1303		
LES / LED Size	Φ 4.5 mm		
FWHM (D50)	15°		
Field Angle (D10)	32°		
H (distance)	2.5 mm		
Dimension	Φ =35mm, Thickness=17.4mm		
Luminous Flux	754 lm	Measured @ 6.7 W	
Material	PC / UL94V2		

cd/klm

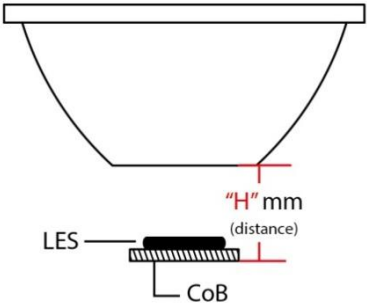


Illuminance At Distances

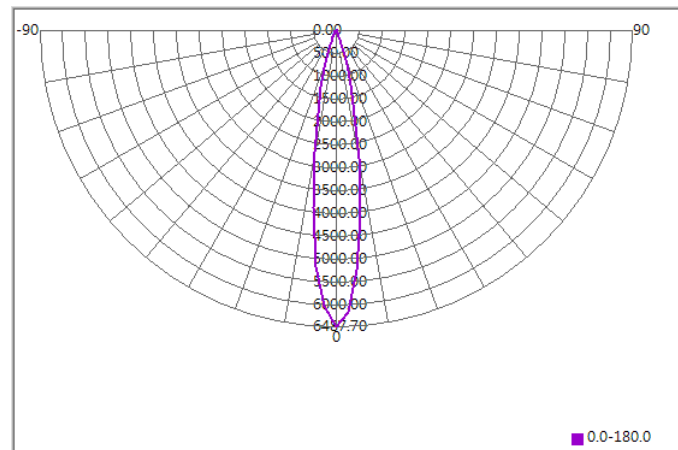




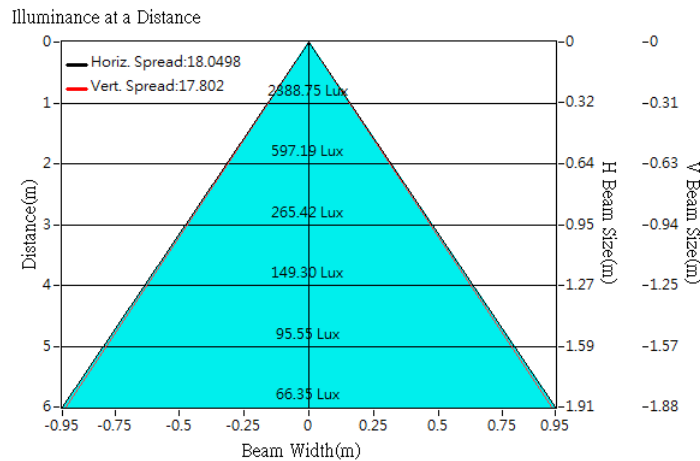
Optical Characteristics

Model Number	CKO-CH19-035018-2801		<p>"H" definition</p> 
LED	CXA1304		
LES / LED Size	Φ 6 mm		
FWHM (D50)	18°		
Field Angle (D10)	38°		
H (distance)	2.5 mm		
Dimension	Φ =30mm, Thickness=15mm		
Luminous Flux	368 lm	Measured @ 4.1 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

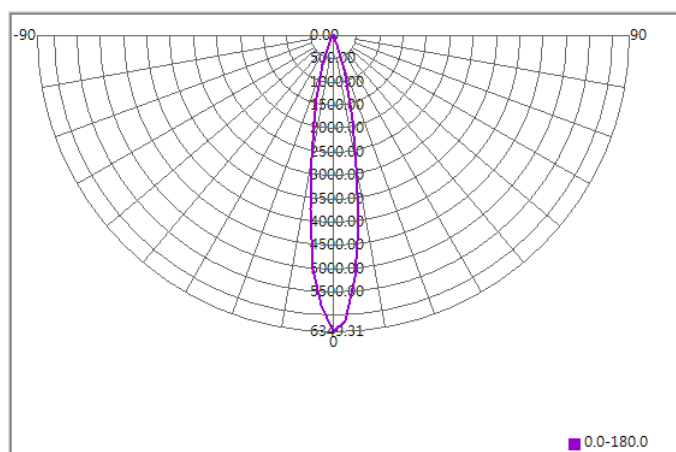




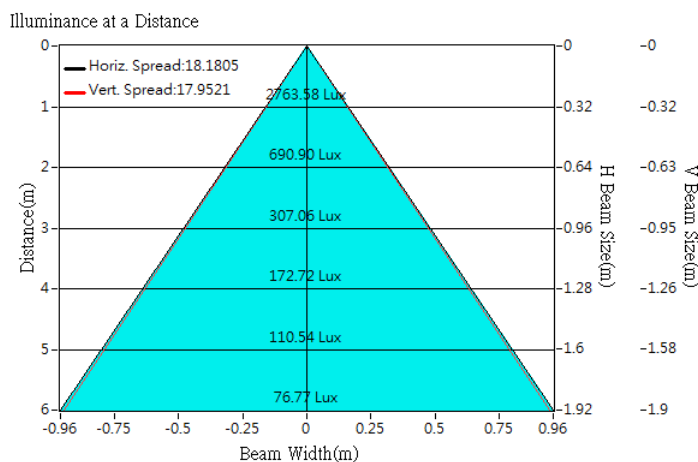
Optical Characteristics

Model Number	CKO-CH19-035018-2801	<p>"H" definition</p> <p>LES CoB "H" mm (distance)</p>
LED	CXB1304	
LES / LED Size	Φ 6 mm	
FWHM (D50)	18°	
Field Angle (D10)	39°	
H (distance)	2.5 mm	
Dimension	Φ =30mm, Thickness=15mm	
Luminous Flux	435 lm	
Material	PC / UL94V2	

cd/klm

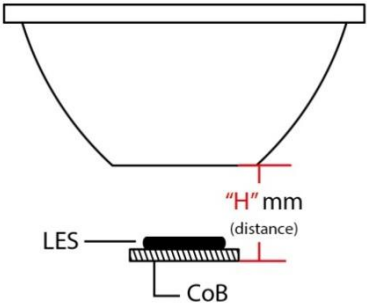


Illuminance At Distances

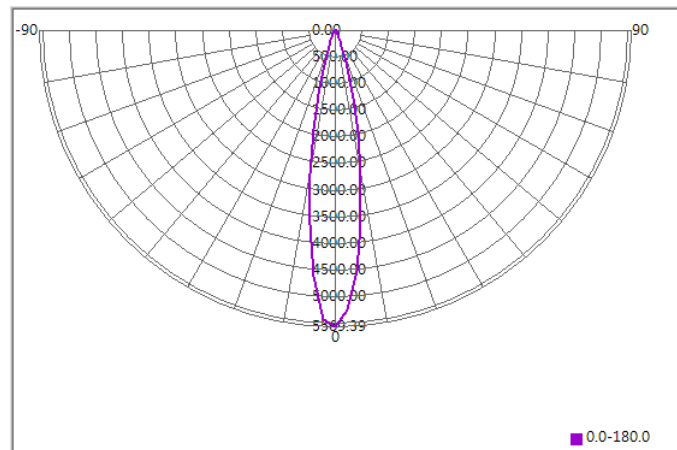




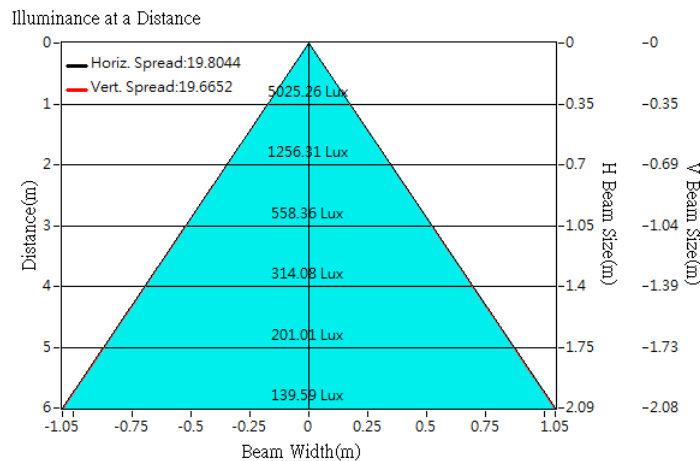
Optical Characteristics

Model Number	CKO-CH19-035018-2801		<p>"H" definition</p> 
LED	CMA1306		
LES / LED Size	Φ 6 mm		
FWHM (D50)	19°		
Field Angle (D10)	39°		
H (distance)	2.5 mm		
Dimension	Φ =30mm, Thickness=15mm		
Luminous Flux	902 lm	Measured @ 7.3 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

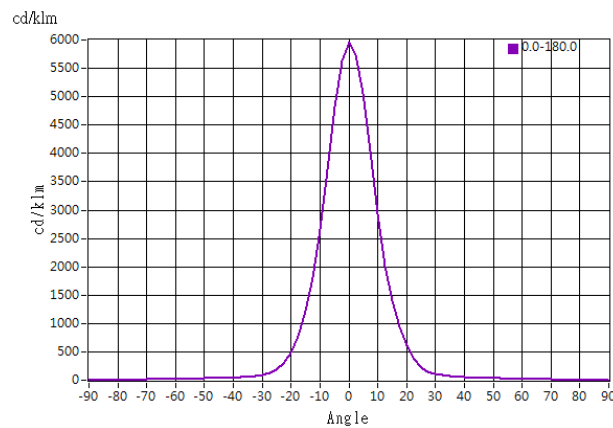




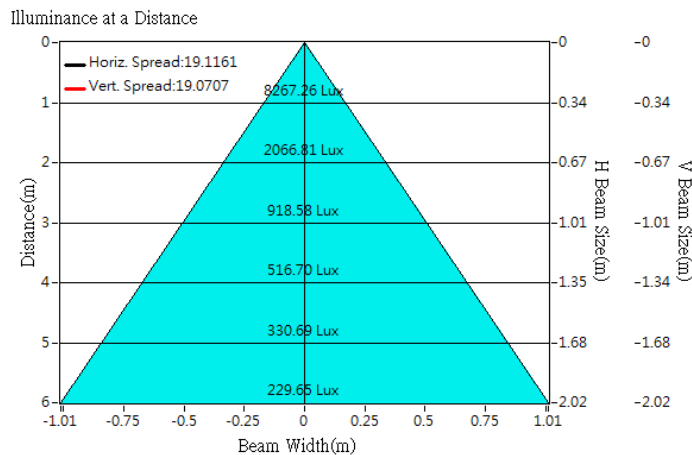
Optical Characteristics

Model Number	CKO-CH19-035018-2801	<p>"H" definition</p>
LED	CXB1310	
LES / LED Size	Φ 6 mm	
FWHM (D50)	19°	
Field Angle (D10)	39°	
H (distance)	2.5 mm	
Dimension	Φ =35mm, Thickness=17.4mm	
Luminous Flux	1386 lm	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

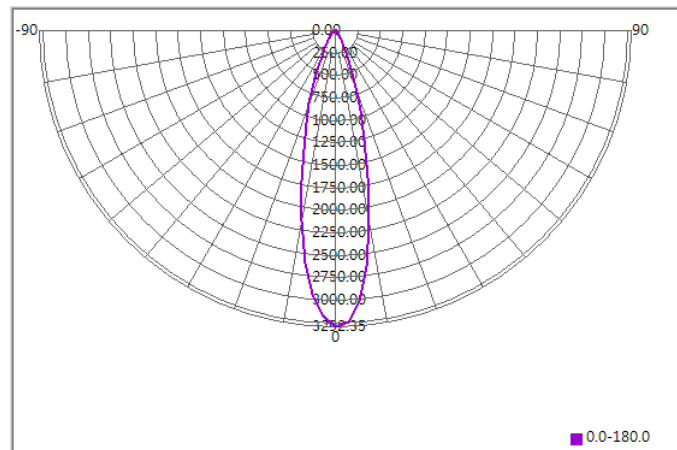




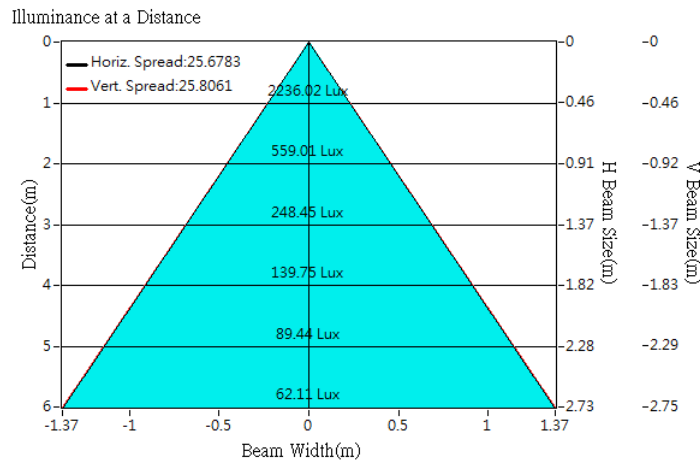
Optical Characteristics

Model Number	CKO-CH19-035018-2801		<p>"H" definition</p> <p>LES CoB</p>
LED	CXA1507		
LES / LED Size	Φ 6 mm		
FWHM (D50)	26°		
Field Angle (D10)	52°		
H (distance)	2.5 mm		
Dimension	Φ =30mm, Thickness=15mm		
Luminous Flux	679 lm	Measured @ 7.6 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

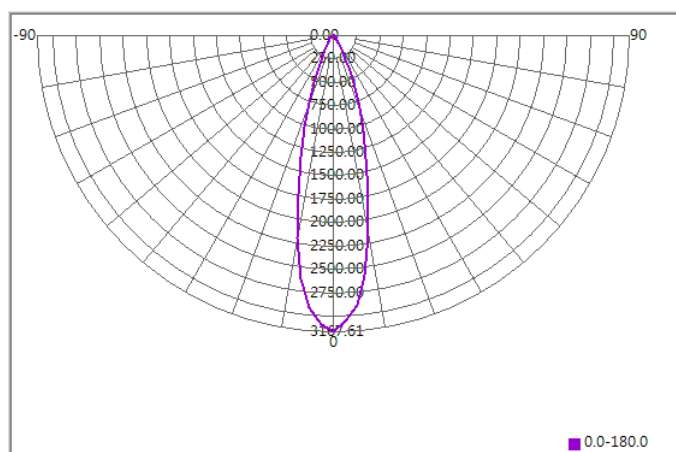




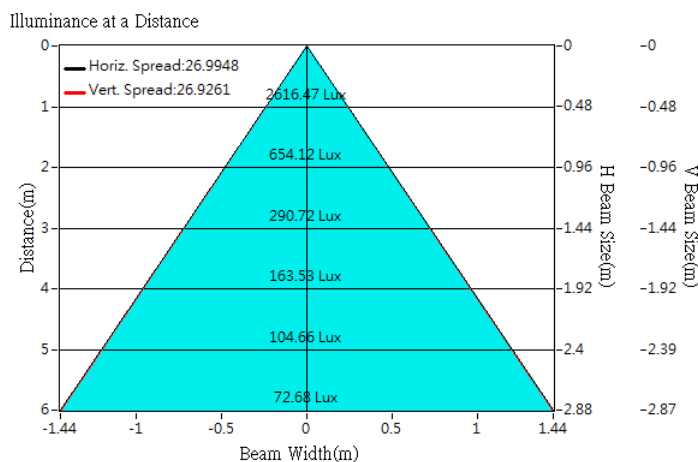
Optical Characteristics

Model Number	CKO-CH19-035018-2801		<p>"H" definition</p> <p>LES CoB</p>
LED	CXB1507		
LES / LED Size	Φ 6 mm		
FWHM (D50)	27°		
Field Angle (D10)	53°		
H (distance)	2.5 mm		
Dimension	Φ =30mm, Thickness=15mm		
Luminous Flux	826 lm	Measured @ 7.2 W	
Material	PC / UL94V2		

cd/klm

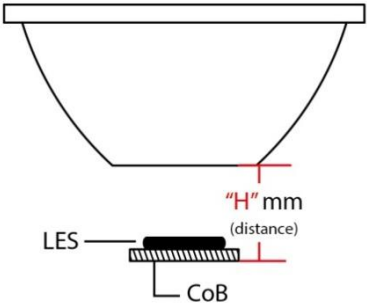


Illuminance At Distances

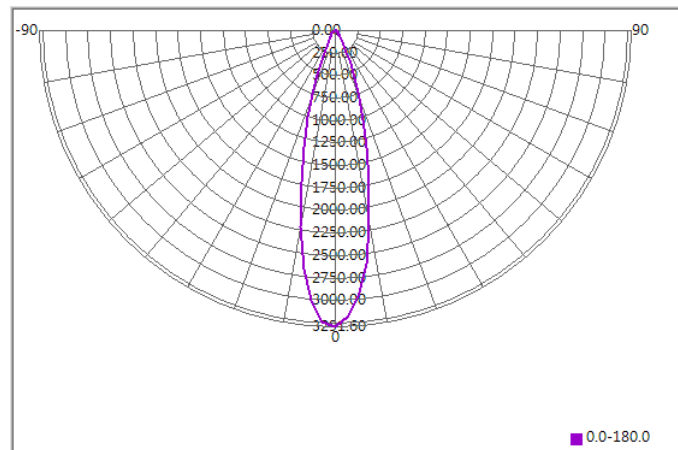




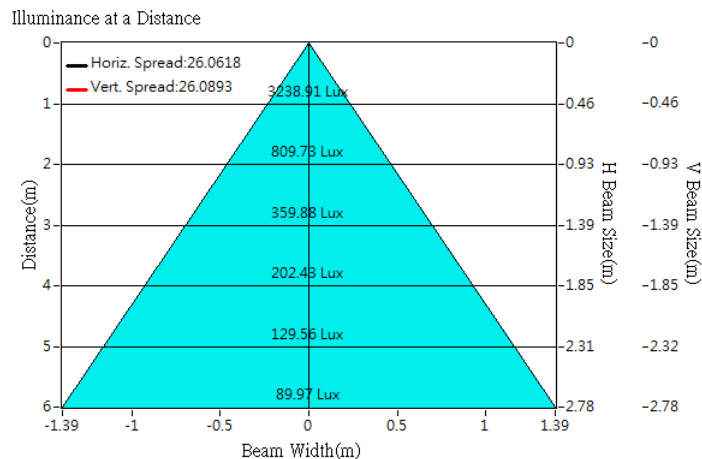
Optical Characteristics

Model Number	CKO-CH19-035018-2801		<p>"H" definition</p> 
LED	CXA1510		
LES / LED Size	Φ 6 mm		
FWHM (D50)	26°		
Field Angle (D10)	52°		
H (distance)	2.5 mm		
Dimension	Φ =30mm, Thickness=15mm		
Luminous Flux	983 lm	Measured @ 9.1 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

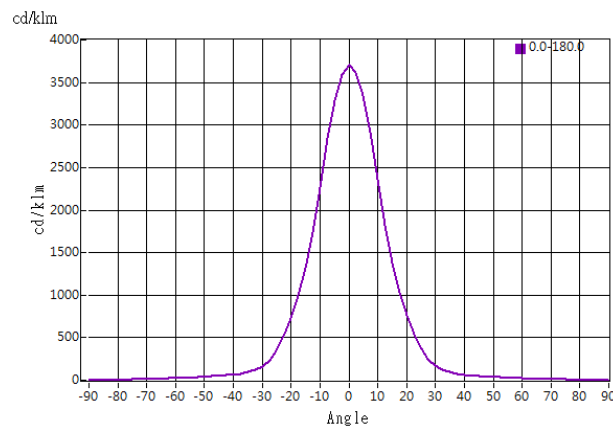




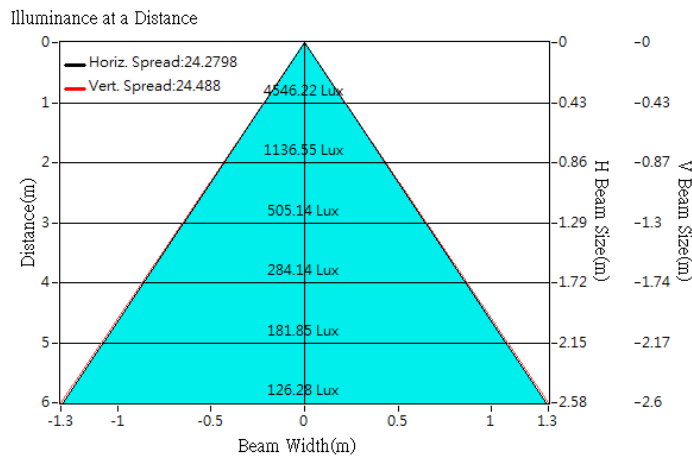
Optical Characteristics

Model Number	CKO-CH19-035018-2801		<p>"H" definition</p>
LED	CXA1512		
LES / LED Size	Φ 9 mm		
FWHM (D50)	24°		
Field Angle (D10)	50°		
H (distance)	2.5 mm		
Dimension	Φ =35mm, Thickness=17.4mm		
Luminous Flux	1227 lm	Measured @ 13.5 W	
Material	PC / UL94V2		

cd/klm

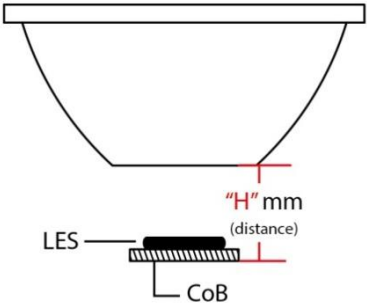


Illuminance At Distances

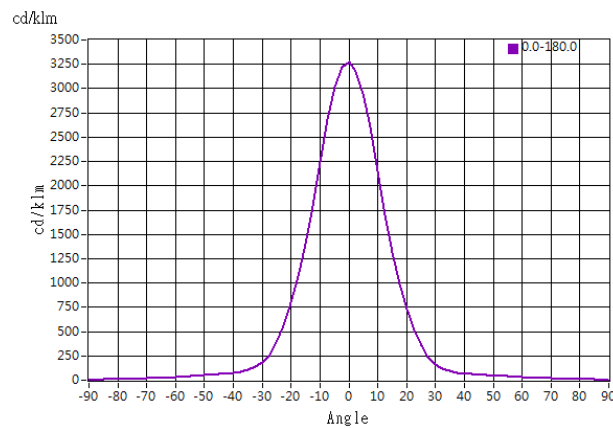




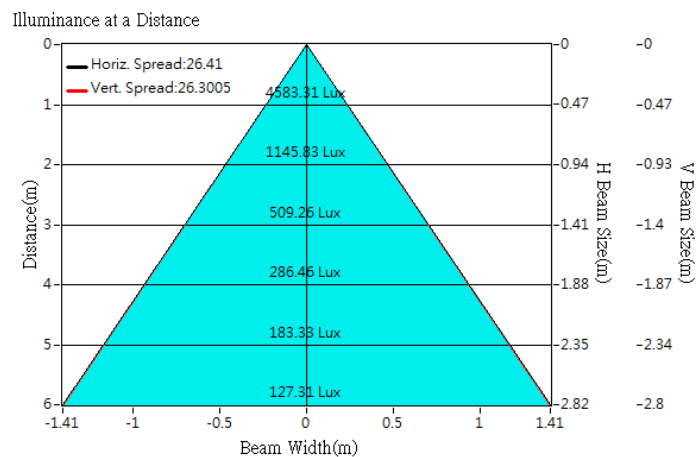
Optical Characteristics

Model Number	CKO-CH19-035018-2801		<p>"H" definition</p> 
LED	CXB1512		
LES / LED Size	Φ 9 mm		
FWHM (D50)	26°		
Field Angle (D10)	52°		
H (distance)	2.5 mm		
Dimension	Φ =35mm, Thickness=17.4mm		
Luminous Flux	1402 lm	Measured @ 12.0 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

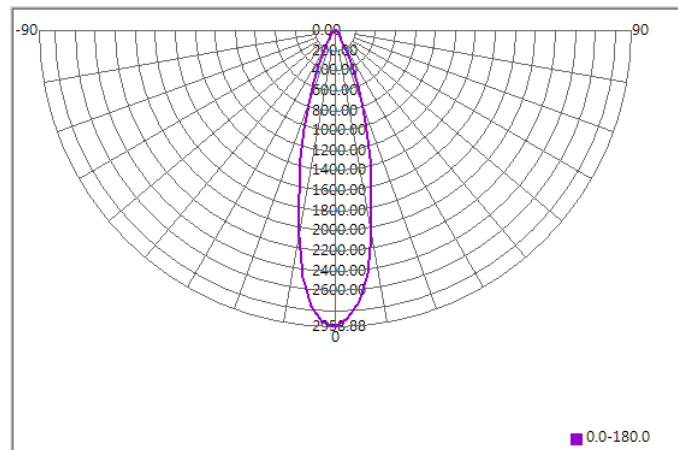




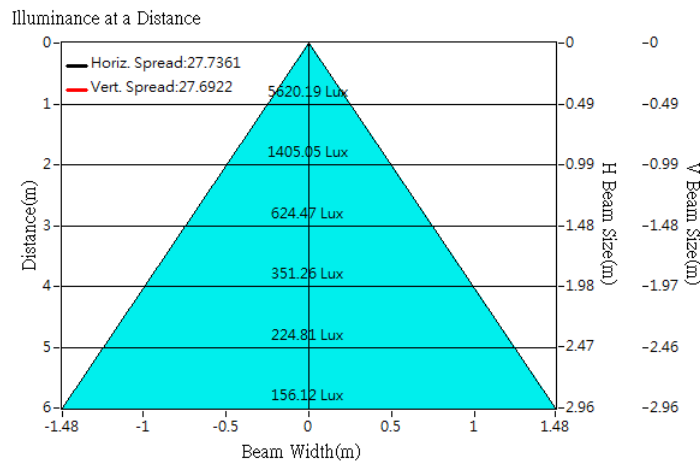
Optical Characteristics

Model Number	CKO-CH19-035018-2801		<p>"H" definition</p> <p>LES</p> <p>CoB</p> <p>"H" mm (distance)</p>
LED	CMA1516		
LES / LED Size	Φ 9 mm		
FWHM (D50)	28°		
Field Angle (D10)	54°		
H (distance)	2.5 mm		
Dimension	Φ =35mm, Thickness=17.4mm		
Luminous Flux	1899 lm	Measured @ 15.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

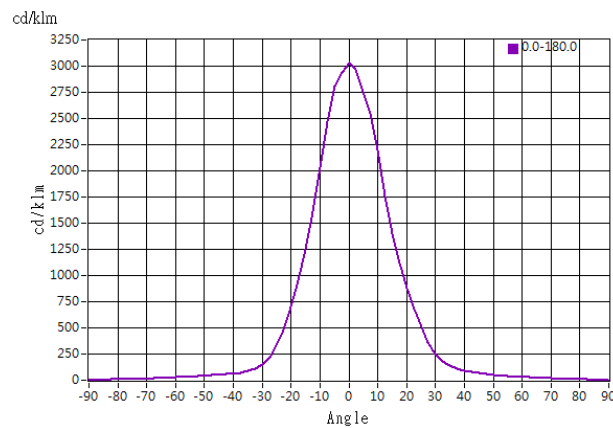




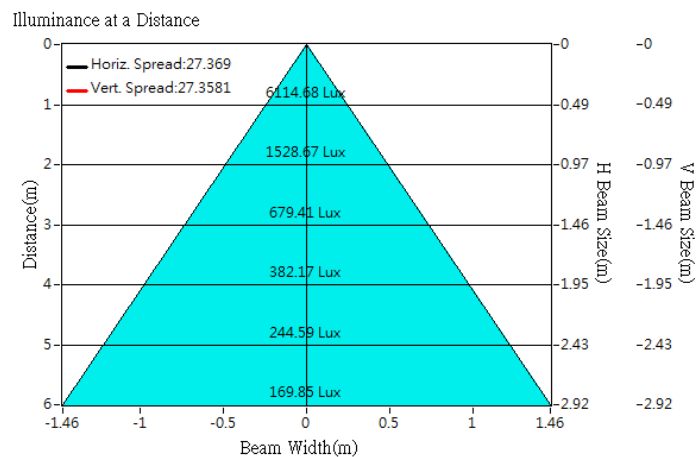
Optical Characteristics

Model Number	CKO-CH19-035018-2801		<p>"H" definition</p>
LED	CXB1520		
LES / LED Size	Φ 9 mm		
FWHM (D50)	27°		
Field Angle (D10)	54°		
H (distance)	2.5 mm		
Dimension	Φ =35mm, Thickness=17.4mm		
Luminous Flux	2018 lm	Measured @ 16.8 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

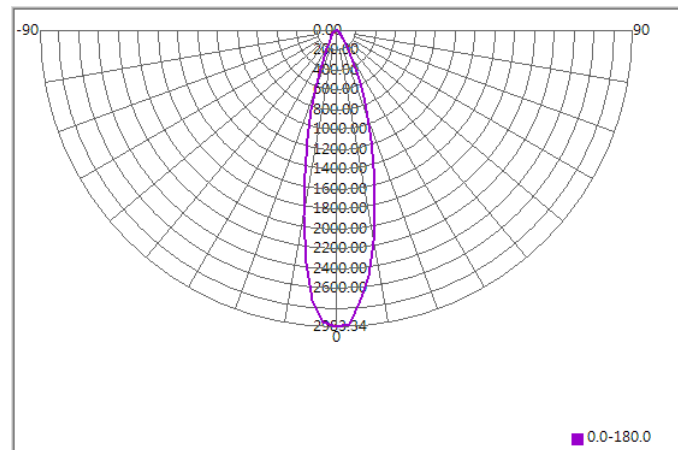




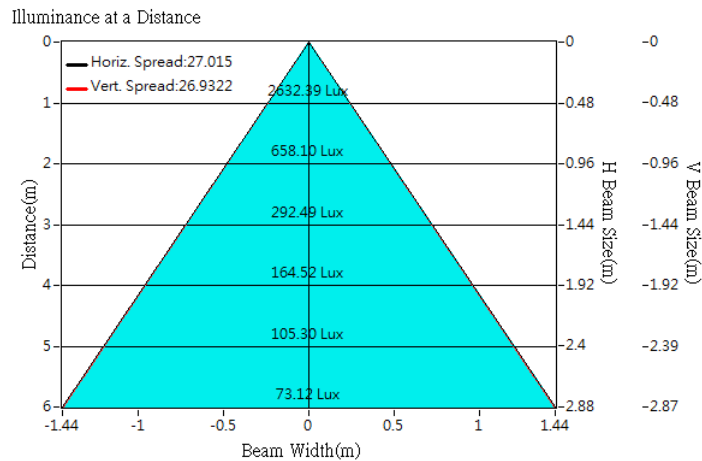
Optical Characteristics

Model Number	CKO-CH19-035018-2801		<p>"H" definition</p>
LED	CMT1407		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	27°		
Field Angle (D10)	55°		
H (distance)	2.5 mm		
Dimension	Φ =35mm, Thickness=17.4mm		
Luminous Flux	882 lm	Measured @ 7.0 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

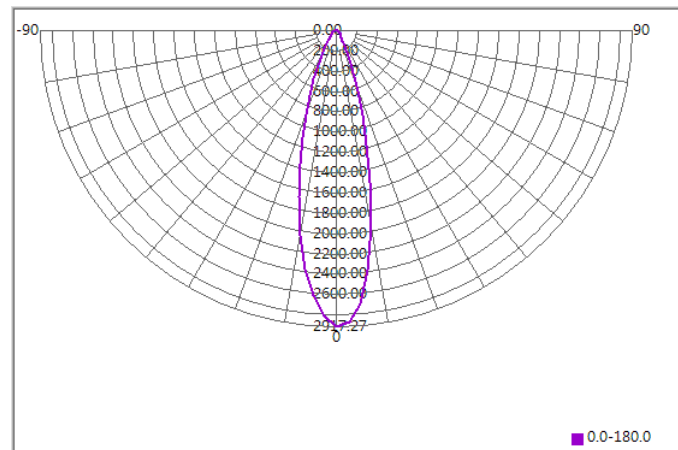




Optical Characteristics

Model Number	CKO-CH19-035018-2801		<p>"H" definition</p> <p>LES CoB</p>
LED	CMT1412		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	27°		
Field Angle (D10)	55°		
H (distance)	2.5 mm		
Dimension	Φ =35mm, Thickness=17.4mm		
Luminous Flux	1425 lm	Measured @ 12.1 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

