



## Product Model Number

CKO-CH17-092050-0701

### ✓ Model Number Definitions

**CKO-XXXX-XXXXXX-XXXX**

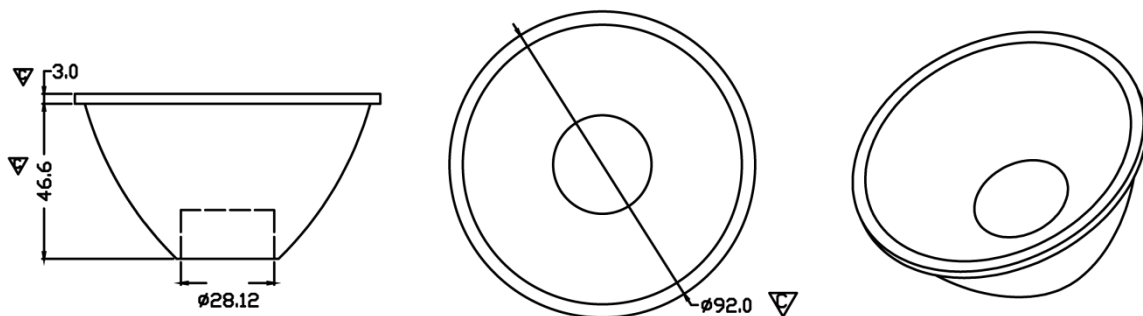


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation  
Ex:  
CH→CoB High Intensity  
CC→CoB Compact  
CS→Soft Shading for CoB LED  
HC→Holder for CoB LED

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

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

### ✓ Dimensions (mm) : Φ 92 x 49.6



▽:Critical Dimension



✓ Optical Characteristics – Angle Performances

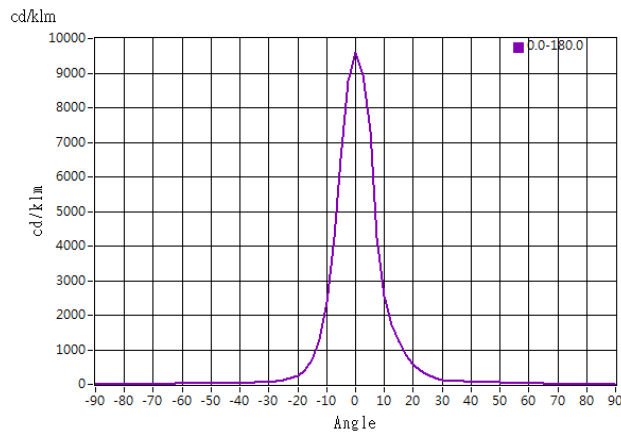
Philips	LED LES (mm)	FWHM (degrees)	Field Angle (degrees)
Fortimo SLM PW 1205 L13 G6	Φ13	13°	31°
Fortimo SLM PW 1205 L13 G6_DL	Φ13	14°	28°
Fortimo SLM PW 1205 L13 G6_PI	Φ13	14°	28°
Fortimo SLM 1205 L15 G7N	Φ14.5	15°	35°
Fortimo SLM 1206 L15 G7N	Φ14.5	15°	33°
Fortimo SLM 1208 L15 G7N	Φ14.5	16°	34°
Fortimo SLM 1208 L15 G7	Φ15	15°	32°
Fortimo SLM 1208 L15 G6	Φ15	14°	32°
Fortimo SLM 1208 L15 G6_DL	Φ15	16°	30°
Fortimo SLM 1208 L15 G6_PI	Φ15	16°	30°
Fortimo SLM 1211 L19 G6	Φ19	19°	40°
Fortimo SLM 1211 L19 G6_DL	Φ19	19°	40°
Fortimo SLM 1211 L19 G6_PI	Φ19	19°	40°
Fortimo SLM 1211 L22 G7N	Φ22	23°	49°
Fortimo SLM 1212 L22 G7N	Φ22	23°	49°
Fortimo SLM 1216 L23 G6	Φ23	23°	48°
Fortimo SLM 1216 L23 G6_DL	Φ23	23°	48°
Fortimo SLM 1216 L23 G6_PI	Φ23	23°	48°



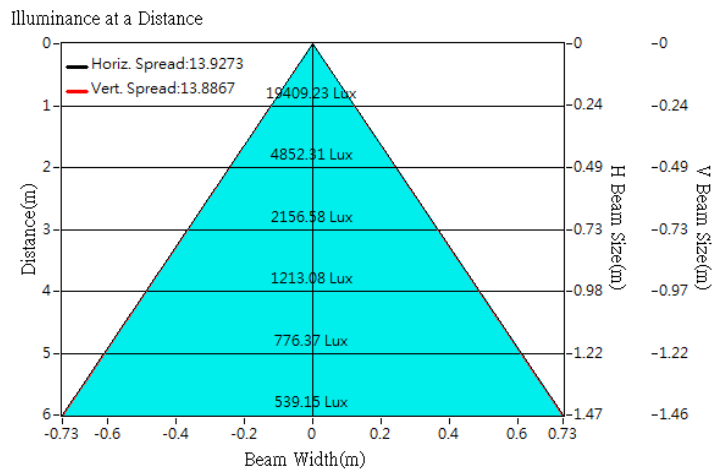
## Optical Characteristics

Model Number	CKO-CH17-092050-0701		<p>"H" definition</p>
LED	Fortimo SLM 1205 L13 G6		
LES / LED Size	Φ 13 mm		
FWHM (D50)	13°		
Field Angle (D10)	31°		
H (distance)	3.65 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	2022 lm	Measured @ 17.7 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

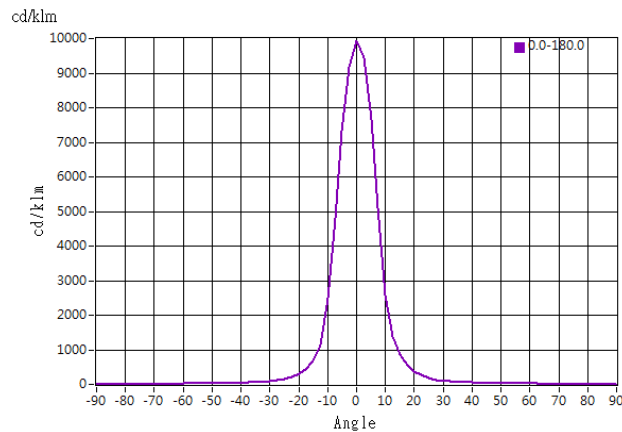




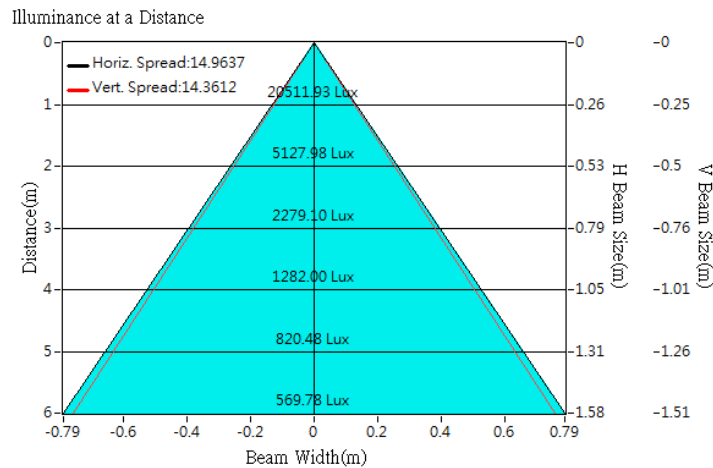
## Optical Characteristics

Model Number	CKO-CH17-092050-0701		
LED	Fortimo SLM PW 1205 L13 G6_DL		
LES / LED Size	Φ 13 mm		
FWHM (D50)	14°		
Field Angle (D10)	28°		
H (distance)	3.5 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	2063 lm	Measured @ 17.17 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

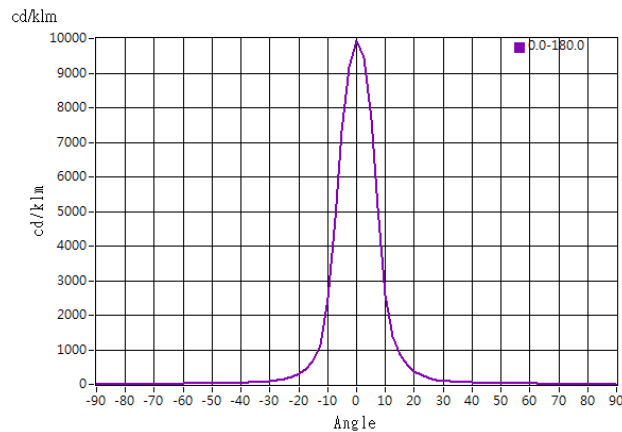




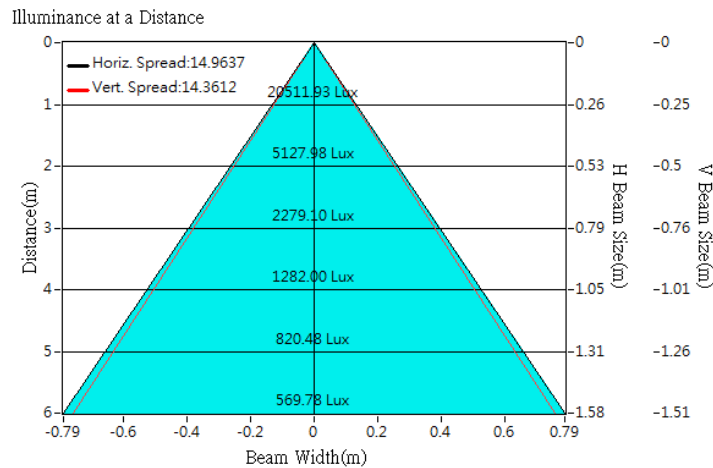
## Optical Characteristics

Model Number	CKO-CH17-092050-0701		<p>"H" definition</p> <p>LES</p> <p>CoB</p>
LED	Fortimo SLM PW 1205 L13 G6_PI		
LES / LED Size	Φ 13 mm		
FWHM (D50)	14°		
Field Angle (D10)	28°		
H (distance)	3.5 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	2063 lm	Measured @ 17.17 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

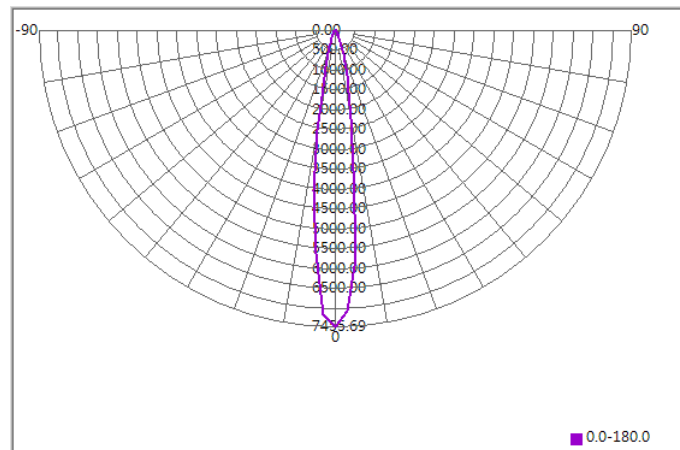




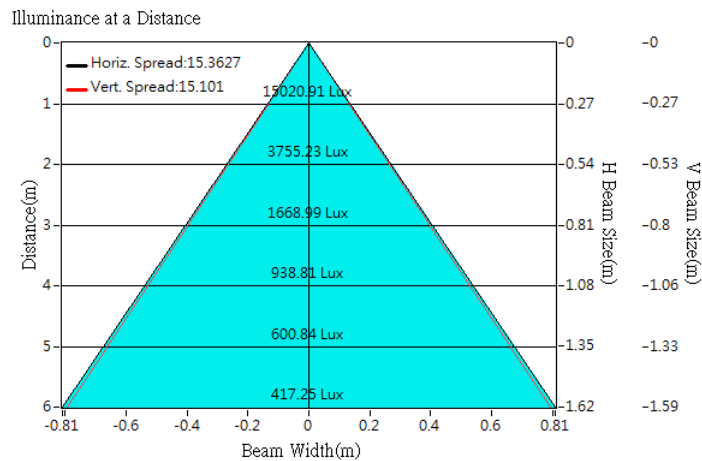
## Optical Characteristics

Model Number	CKO-CH17-092050-0701		<p>"H" definition</p>
LED	Fortimo SLM 1205 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	15°		
Field Angle (D10)	35°		
H (distance)	3.65 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	2014 lm	Measured @ 15.4 W	
Material	PC / UL94V2		

## cd/klm

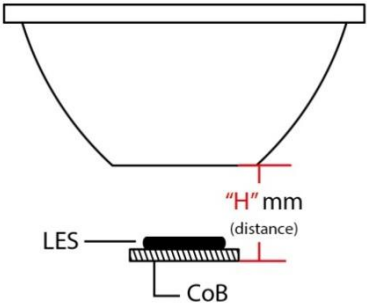


## Illuminance At Distances

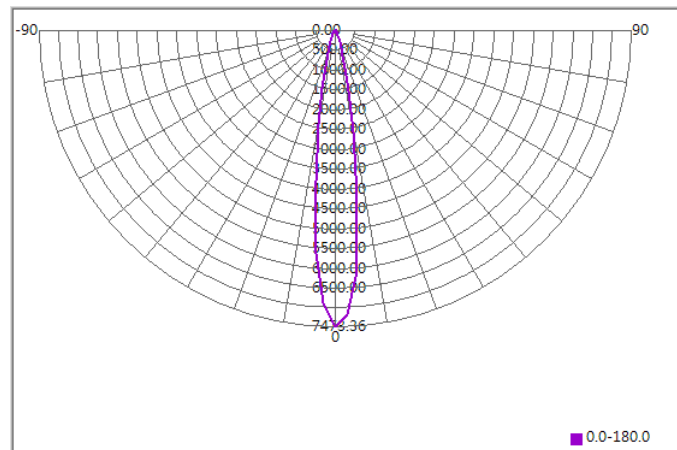




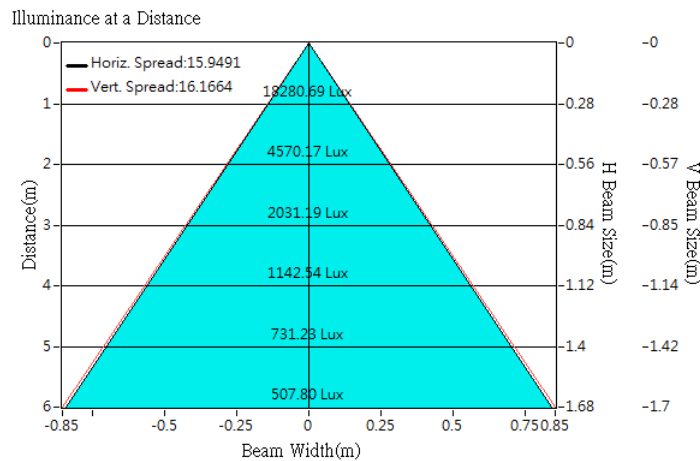
## Optical Characteristics

Model Number	CKO-CH17-092050-0701		<p>"H" definition</p> 
LED	Fortimo SLM 1206 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	15°		
Field Angle (D10)	33°		
H (distance)	3.65 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	2446 lm	Measured @ 18.5 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

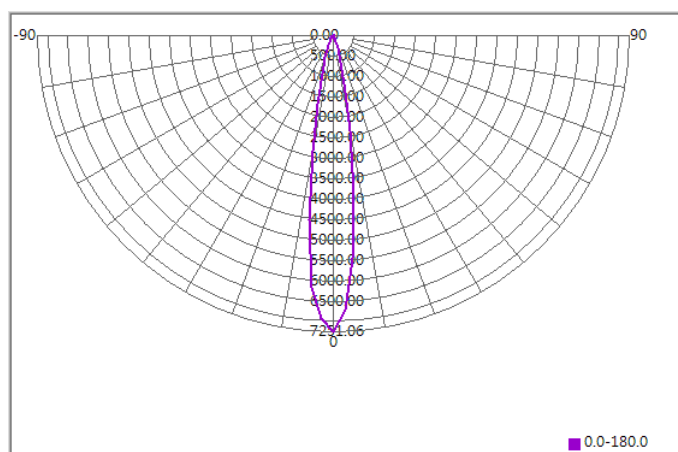




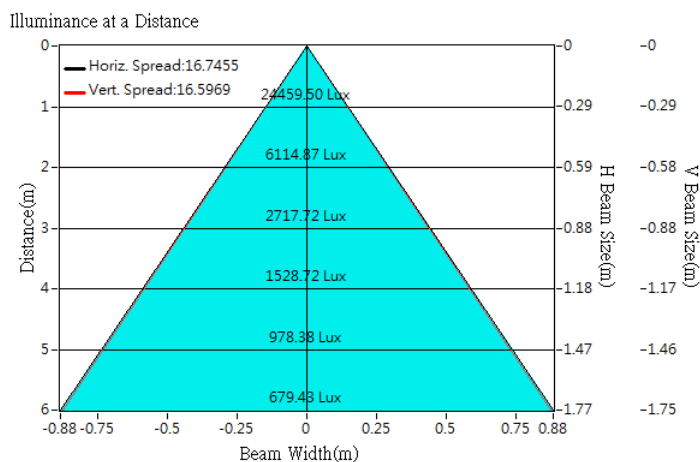
## Optical Characteristics

Model Number	CKO-CH17-092050-0701		<p>"H" definition</p>
LED	Fortimo SLM 1208 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	16°		
Field Angle (D10)	34°		
H (distance)	3.65 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	3373 lm	Measured @ 25.0 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

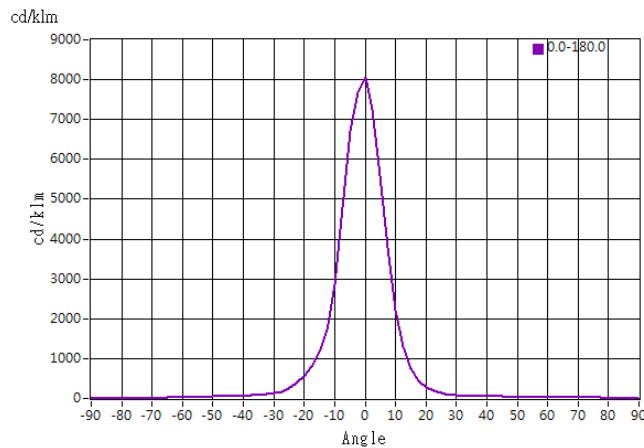




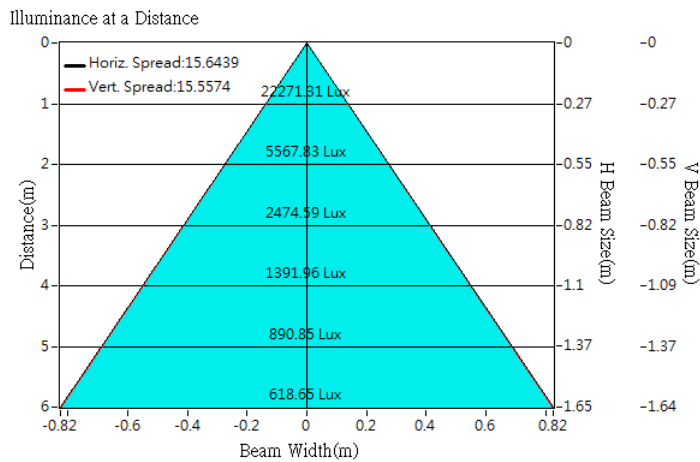
## Optical Characteristics

Model Number	CKO-CH17-092050-0701		<p>"H" definition</p>
LED	Fortimo SLM 1208 L15 G7		
LES / LED Size	Φ 15 mm		
FWHM (D50)	15°		
Field Angle (D10)	32°		
H (distance)	3.65 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	2764 lm	Measured @ 26.3 W	
Material	PC / UL94V2		

## cd/klm

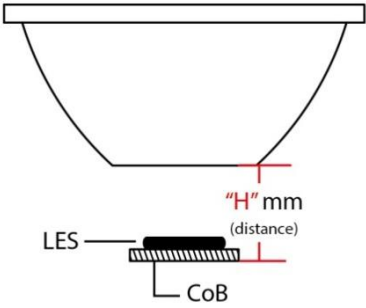


## Illuminance At Distances

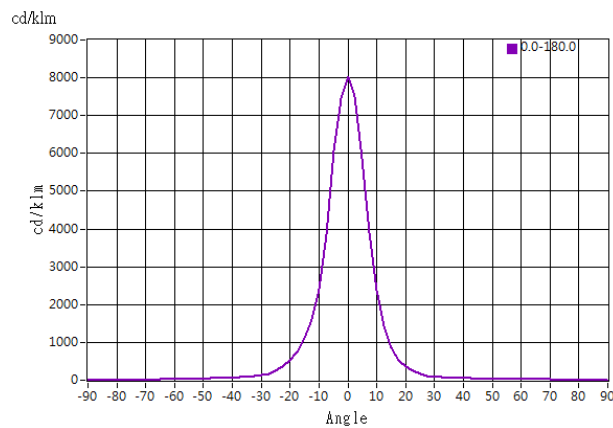




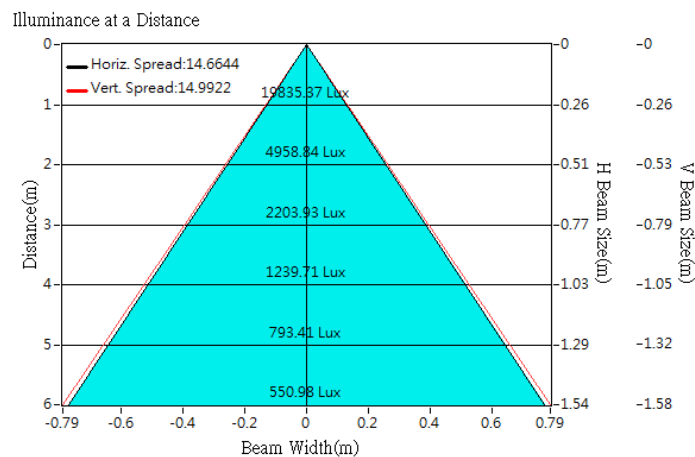
## Optical Characteristics

Model Number	CKO-CH17-092050-0701		<p>"H" definition</p> 
LED	Fortimo SLM 1208 L15 G6		
LES / LED Size	Φ 15 mm		
FWHM (D50)	14°		
Field Angle (D10)	32°		
H (distance)	3.65 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	2467 lm	Measured @ 26.8 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

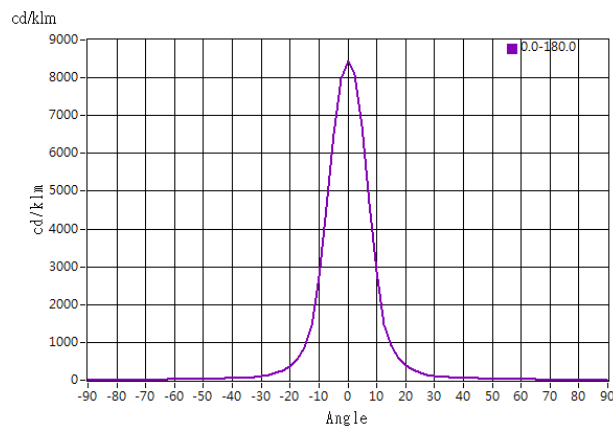




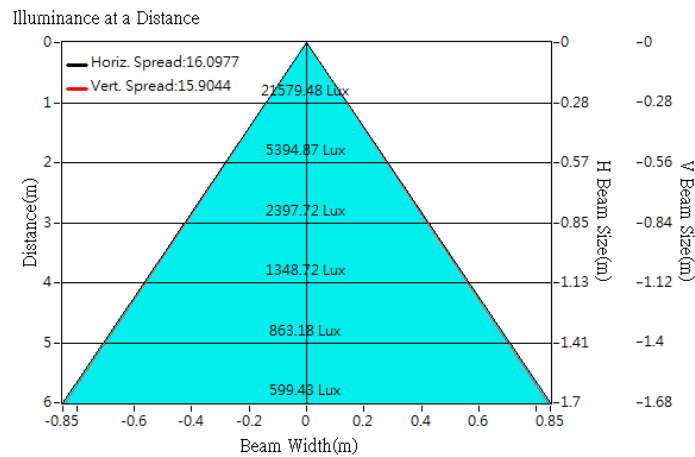
## Optical Characteristics

Model Number	CKO-CH17-092050-0701		
LED	Fortimo SLM C 1208 L15 2024 G6_DL		
LES / LED Size	Φ 15 mm		
FWHM (D50)	16°		
Field Angle (D10)	30°		
H (distance)	3.5 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	2551 lm	Measured @ 26.8 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

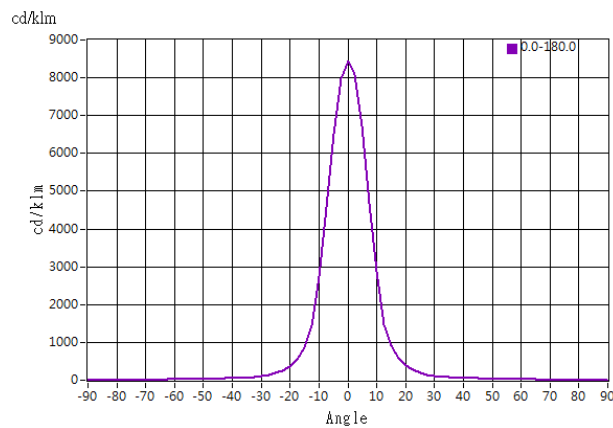




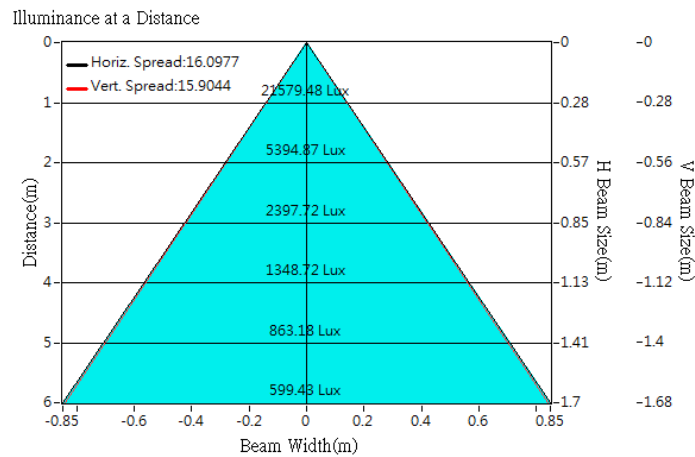
## Optical Characteristics

Model Number	CKO-CH17-092050-0701		
LED	Fortimo SLM C 1208 L15 2024 G6_PI		
LES / LED Size	Φ 15 mm		
FWHM (D50)	16°		
Field Angle (D10)	30°		
H (distance)	3.5 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	2551 lm	Measured @ 26.8 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

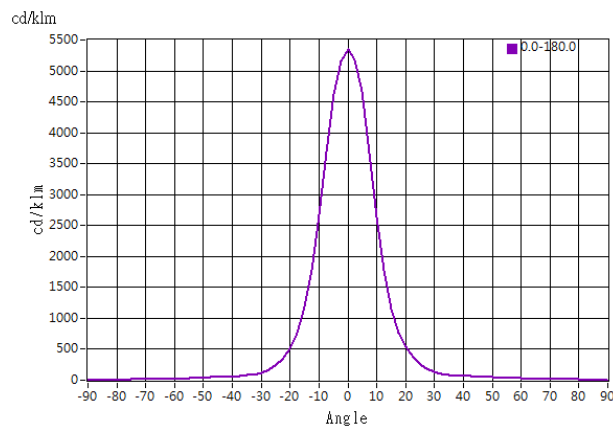




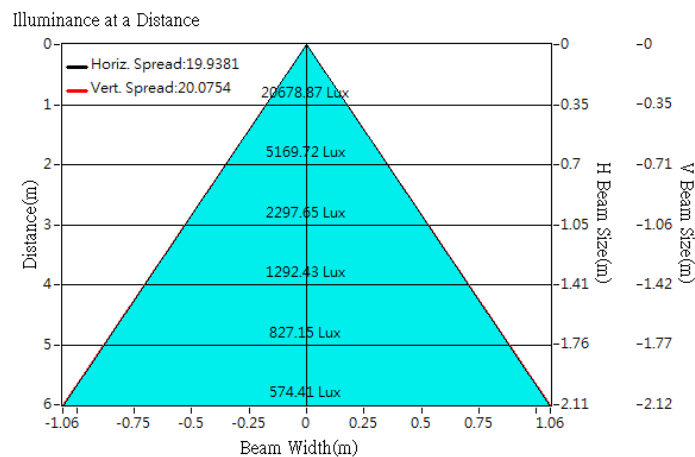
## Optical Characteristics

Model Number	CKO-CH17-092050-0701		<p>"H" definition</p>
LED	Fortimo SLM 1211 L19 G6		
LES / LED Size	Φ 19 mm		
FWHM (D50)	19°		
Field Angle (D10)	40°		
H (distance)	3.65 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	3870 lm	Measured @ 33.6 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

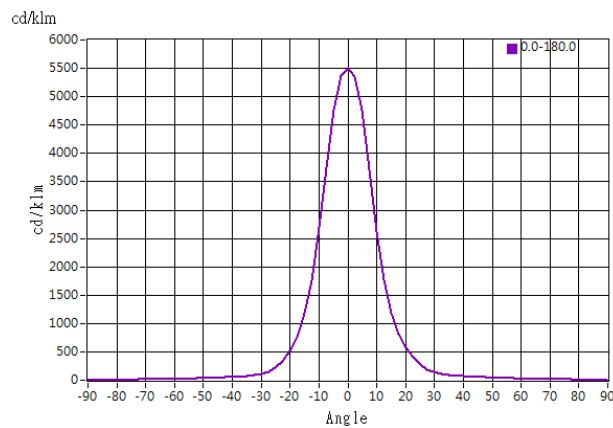




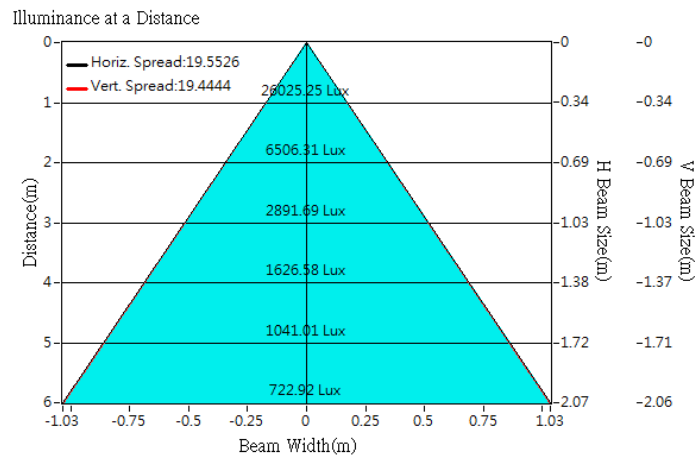
## Optical Characteristics

Model Number	CKO-CH17-092050-0701		
LED	Fortimo SLM C 1211 L19 2828 G6_DL		
LES / LED Size	Φ 19 mm		
FWHM (D50)	19°		
Field Angle (D10)	40°		
H (distance)	3.5 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	4725 lm	Measured @ 44.1 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

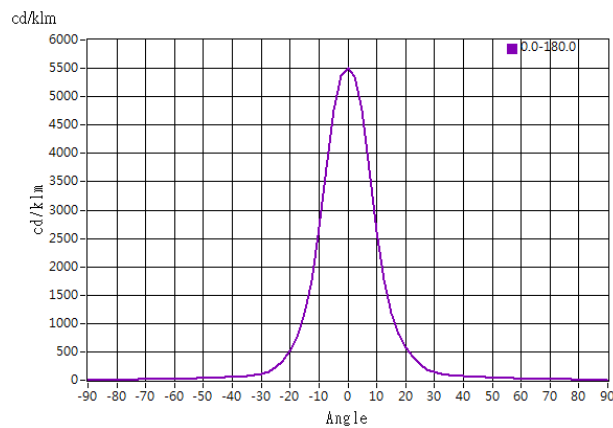




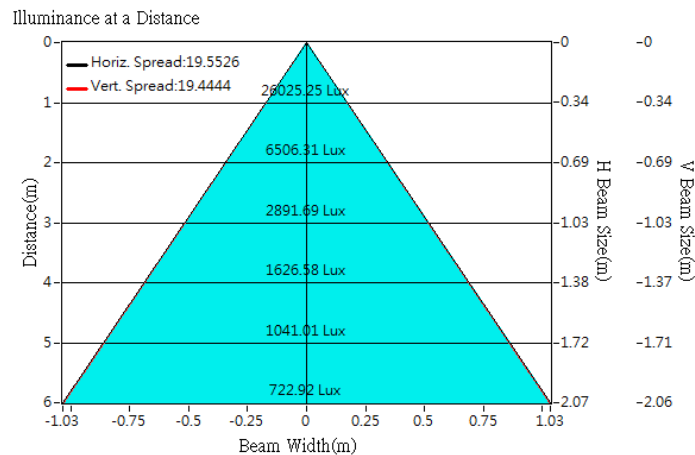
## Optical Characteristics

Model Number	CKO-CH17-092050-0701		<p>"H" definition</p>
LED	Fortimo SLM C 1211 L19 2828 G6_PI		
LES / LED Size	Φ 19 mm		
FWHM (D50)	19°		
Field Angle (D10)	40°		
H (distance)	3.5 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	4725 lm	Measured @ 44.1 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

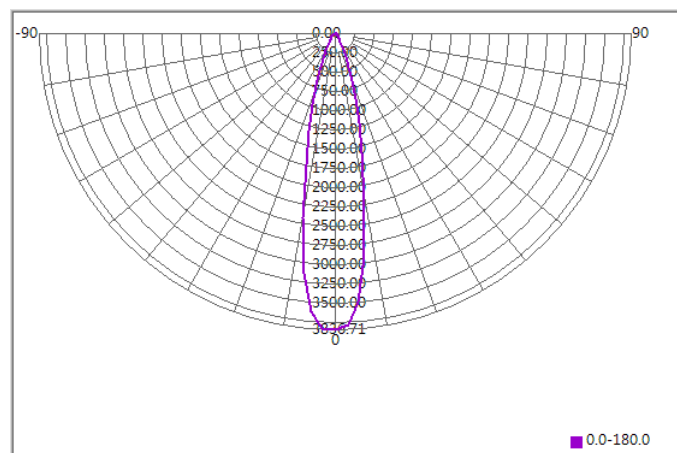




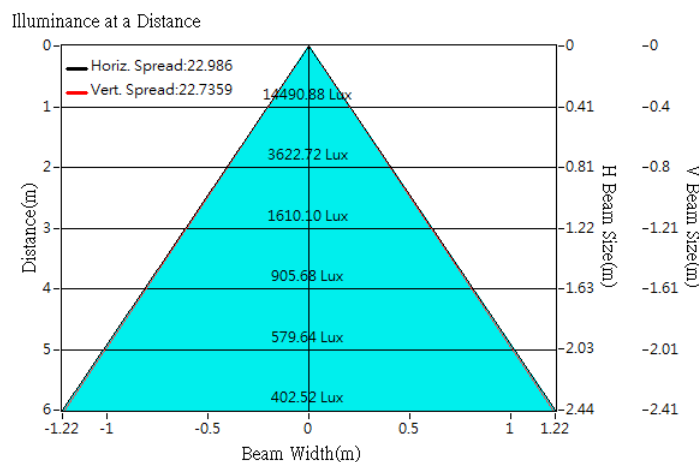
## Optical Characteristics

Model Number	CKO-CH17-092050-0701		<p>"H" definition</p>
LED	Fortimo SLM 1211 L22 G7N		
LES / LED Size	Φ 22 mm		
FWHM (D50)	23°		
Field Angle (D10)	49°		
H (distance)	3.65 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	3776 lm	Measured @ 34.0 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

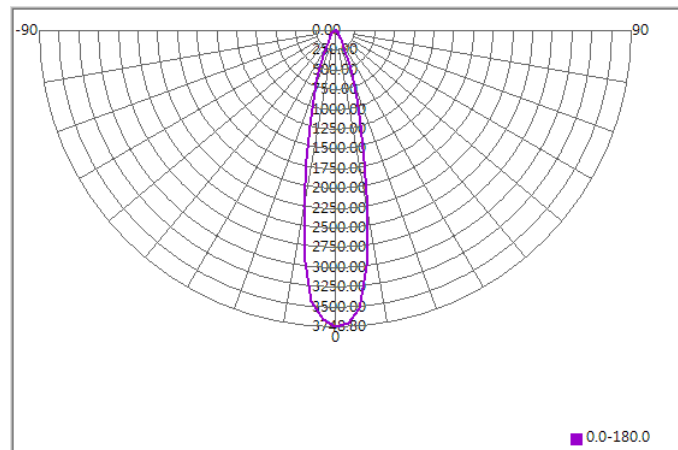




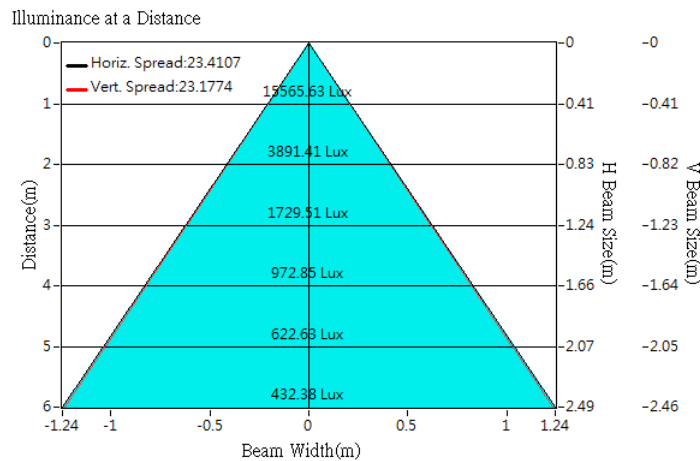
## Optical Characteristics

Model Number	CKO-CH17-092050-0701		<p>"H" definition</p>
LED	Fortimo SLM 1212 L22 G7N		
LES / LED Size	Φ 22 mm		
FWHM (D50)	23°		
Field Angle (D10)	49°		
H (distance)	3.65 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	4152 lm	Measured @ 37.2 W	
Material	PC / UL94V2		

## cd/klm

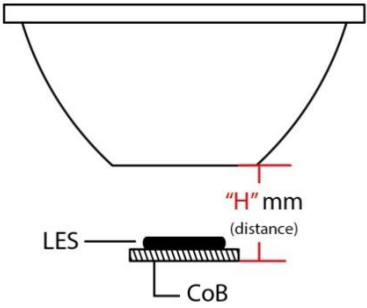


## Illuminance At Distances

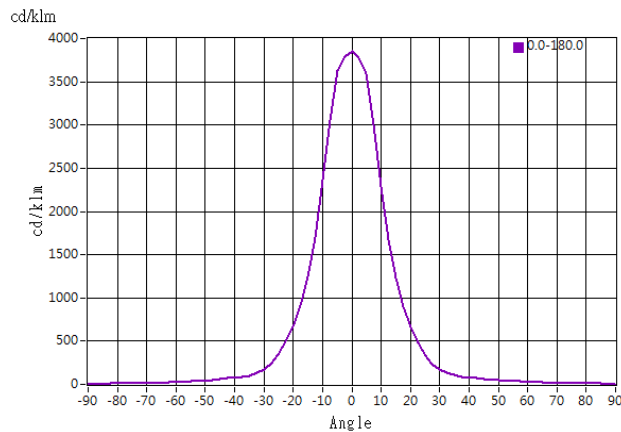




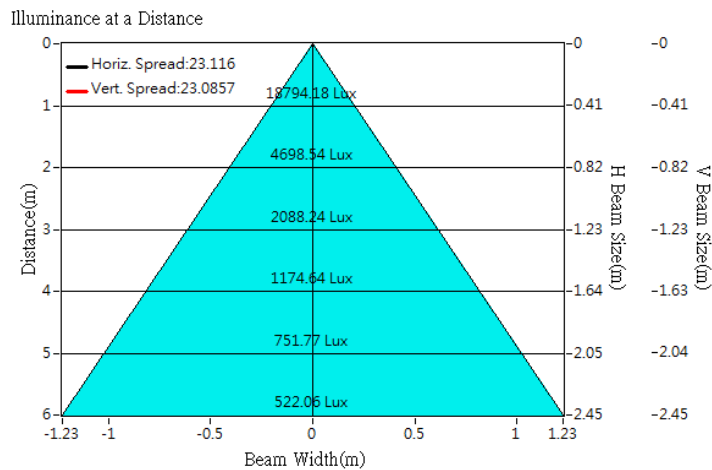
## Optical Characteristics

Model Number	CKO-CH17-092050-0701		<p>"H" definition</p> 
LED	Fortimo SLM 1216 L23 G6		
LES / LED Size	Φ 23 mm		
FWHM (D50)	23°		
Field Angle (D10)	48°		
H (distance)	3.65 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	4877 lm	Measured @ 42.2 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

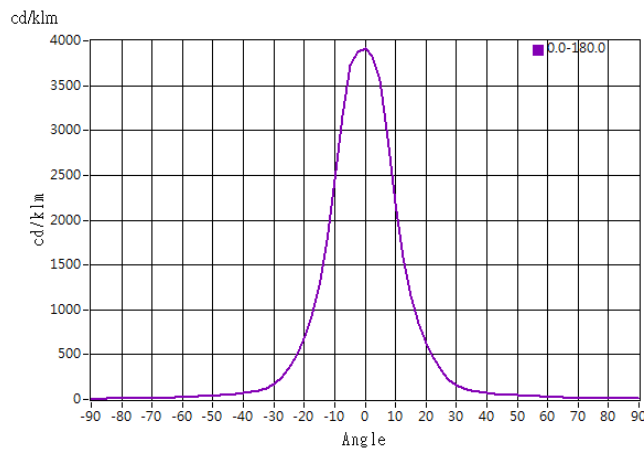




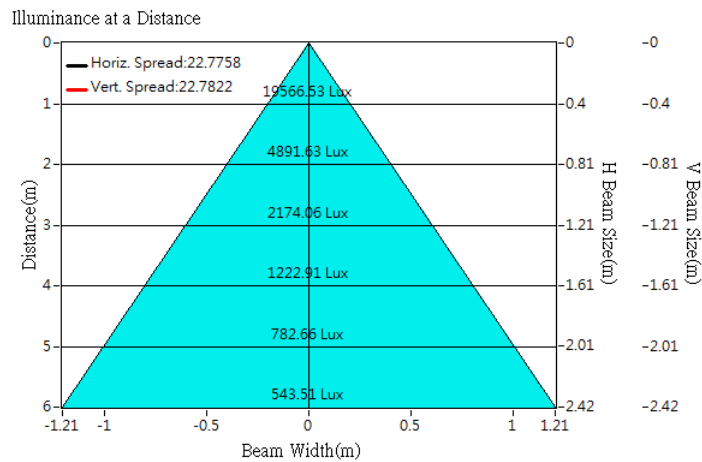
## Optical Characteristics

Model Number	CKO-CH17-092050-0701		<p>"H" definition</p>
LED	Fortimo SLM C 1216 L23 2828 G6_DL		
LES / LED Size	Φ 23 mm		
FWHM (D50)	23°		
Field Angle (D10)	48°		
H (distance)	3.5 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	5000 lm	Measured @ 42.3 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

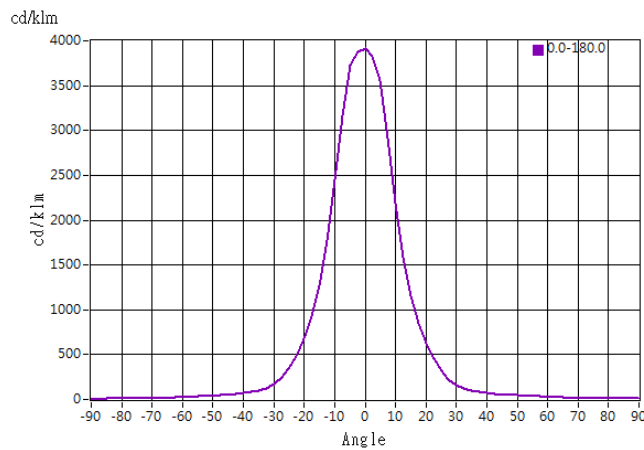




## Optical Characteristics

Model Number	CKO-CH17-092050-0701		
LED	Fortimo SLM C 1216 L23 2828 G6_PI		
LES / LED Size	Φ 23 mm		
FWHM (D50)	23°		
Field Angle (D10)	48°		
H (distance)	3.5 mm		
Dimension	Φ =92 mm, Thickness=49.6 mm		
Luminous Flux	5000 lm	Measured @ 42.3 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

