



## Product Model Number

**CKO-CH15-110058-3601**

### ✓ Model Number Definitions

**CKO-XXXX-XXXXXX-XXXX**

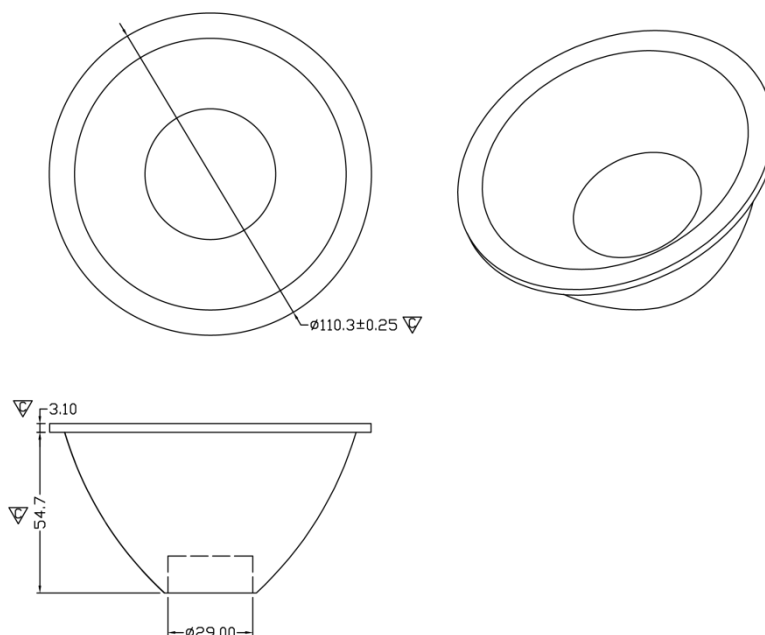


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation  
Ex:  
CH→CoB High Intensity  
CC→CoB Compact  
CS→Soft Shading for CoB LED  
HC→Holder for CoB LED

- 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) : Φ110 x 57.8



▽:Critical Dimension



✓ Optical Characteristics – Angle Performances

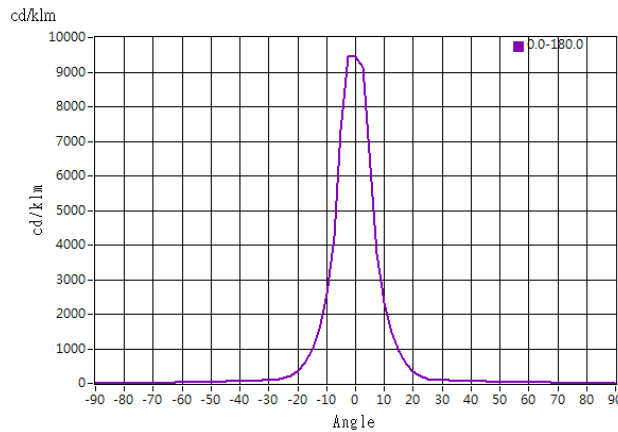
Philips	LED LES (mm)	FWHM (degrees)	Field Angle (degrees)
Fortimo SLM 1205 L13 G7	Φ13	13°	30°
Fortimo SLM PW 1205 L13 G6	Φ13	13°	29°
Fortimo SLM PW 1205 L13 G6_PI	Φ13	13°	29°
Fortimo SLM 1205 L15 G7N	Φ14.5	13°	33°
Fortimo SLM 1206 L15 G7N	Φ14.5	14°	33°
Fortimo SLM 1208 L15 G7N	Φ14.5	13°	33°
Fortimo SLM 1208 L15 G7	Φ15	13°	32°
Fortimo SLM 1208 L15 G6	Φ15	13°	31°
Fortimo SLM 1208 L15 G6_PI	Φ15	14°	31°
Fortimo SLM 1211 L19 G6	Φ19	17°	39°
Fortimo SLM 1211 L22 G7N	Φ22	18°	43°
Fortimo SLM 1212 L22 G7N	Φ22	18°	43°
Fortimo SLM 1216 L23 G6	Φ23	19°	45°



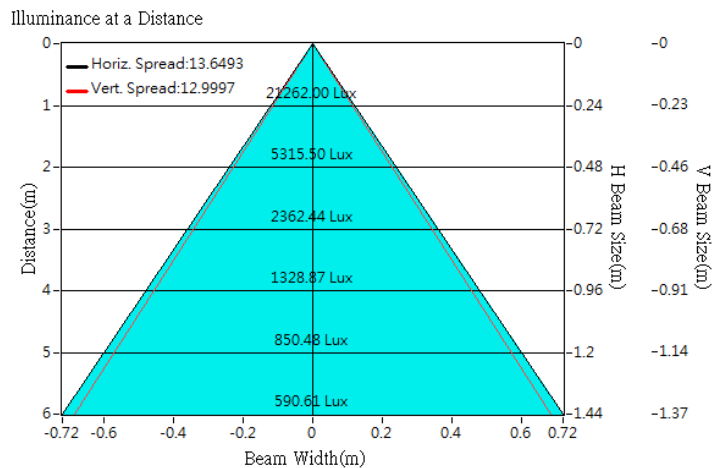
## Optical Characteristics

Model Number	CKO-CH15-110058-3601		<p>"H" definition</p>
LED	Fortimo SLM 1205 L13 G7		
LES / LED Size	Φ 13 mm		
FWHM (D50)	13°		
Field Angle (D10)	30°		
H (distance)	4 mm		
Dimension	Φ =110 mm, Thickness=57.8 mm		
Luminous Flux	2249 lm	Measured @ 17.7 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

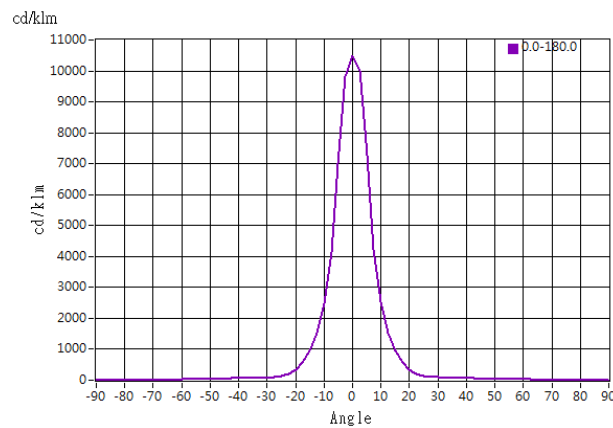




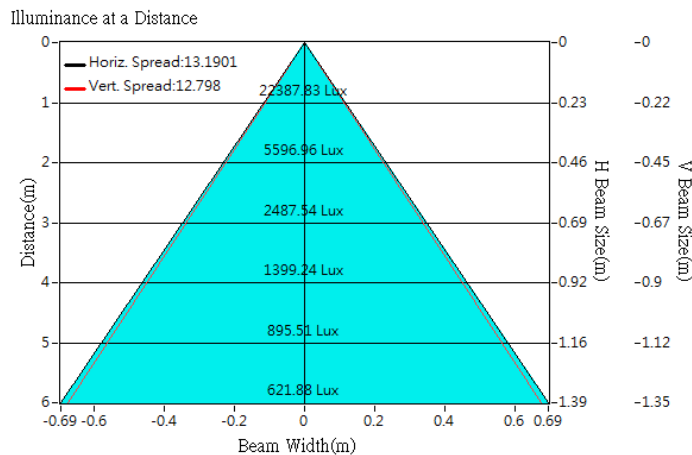
## Optical Characteristics

Model Number	CKO-CH15-110058-3601		
LED	Fortimo SLM 1205 L13 G6		
LES / LED Size	Φ 13 mm		
FWHM (D50)	13°		
Field Angle (D10)	29°		
H (distance)	4 mm		
Dimension	Φ =110 mm, Thickness=57.8 mm		
Luminous Flux	2133 lm	Measured @ 17.8 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

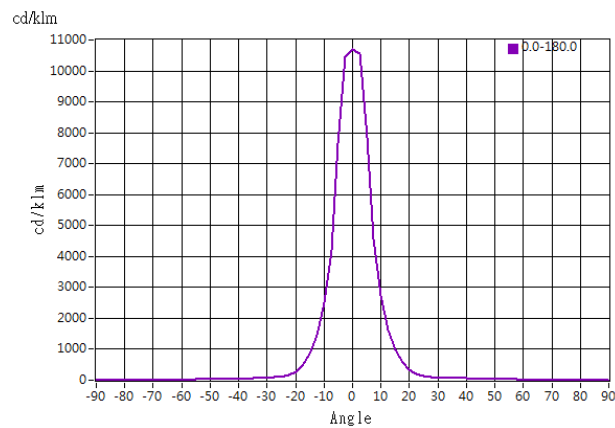




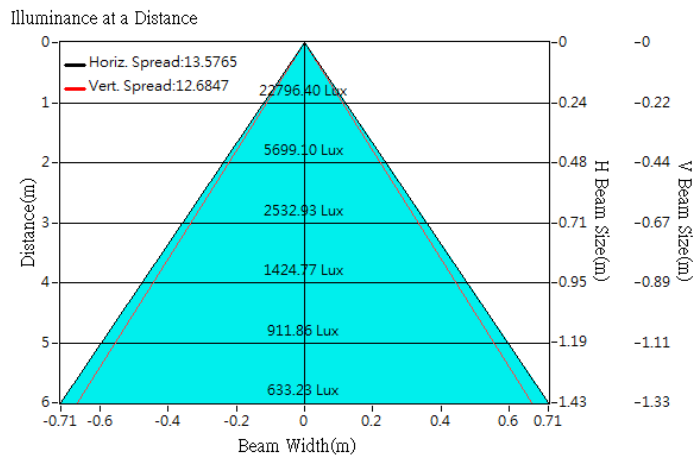
## Optical Characteristics

Model Number	CKO-CH15-110058-3601		
LED	Fortimo SLM C 1205 L13 2024 G6_PI		
LES / LED Size	Φ 13 mm		
FWHM (D50)	13°		
Field Angle (D10)	29°		
H (distance)	3.5mm		
Dimension	Φ =110 mm, Thickness=57.8 mm		
Luminous Flux	2132 lm	Measured @ 17.7 W	
Material	PC / UL94V2		

## cd/klm

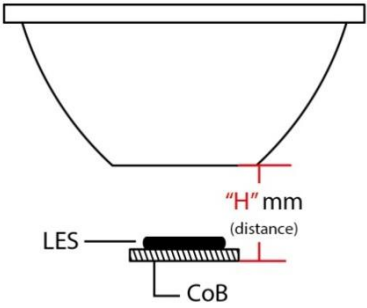


## Illuminance At Distances

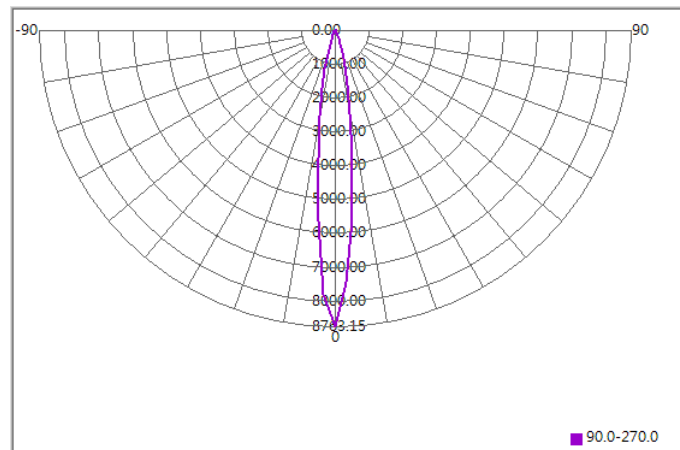




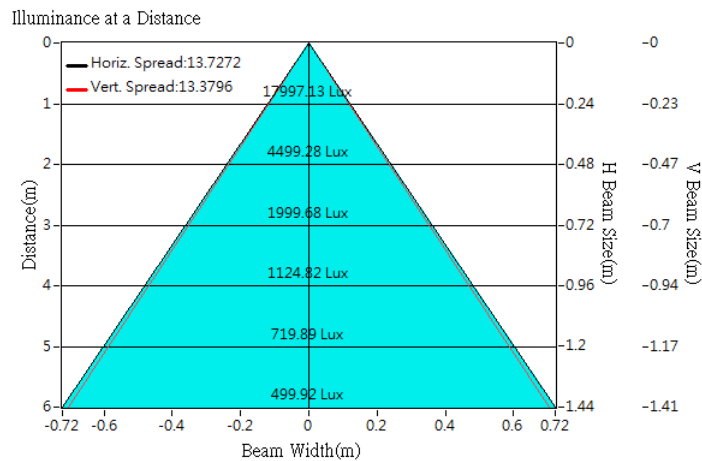
## Optical Characteristics

Model Number	CKO-CH15-110058-3601		<p>"H" definition</p> 
LED	Fortimo SLM 1205 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	13°		
Field Angle (D10)	33°		
H (distance)	4 mm		
Dimension	Φ =110 mm, Thickness=57.8 mm		
Luminous Flux	2053 lm	Measured @ 15.4 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

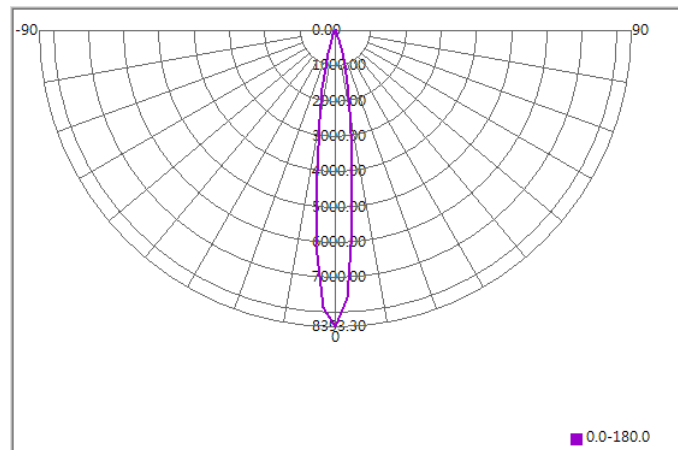




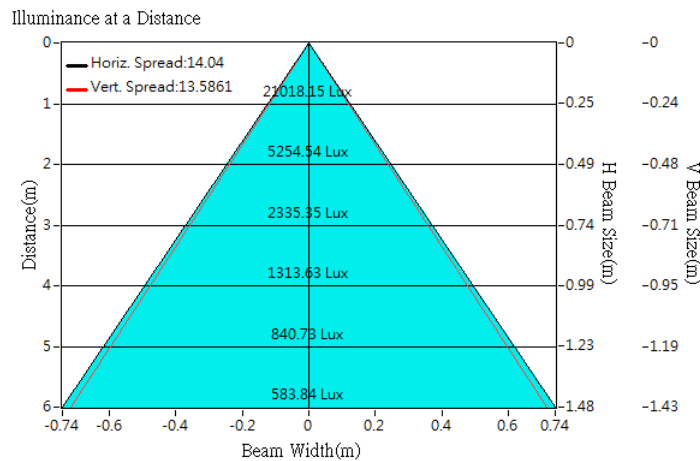
## Optical Characteristics

Model Number	CKO-CH15-110058-3601		<p>"H" definition</p>
LED	Fortimo SLM 1206 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	14°		
Field Angle (D10)	33°		
H (distance)	4 mm		
Dimension	Φ =110 mm, Thickness=57.8 mm		
Luminous Flux	2504 lm	Measured @ 18.5 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

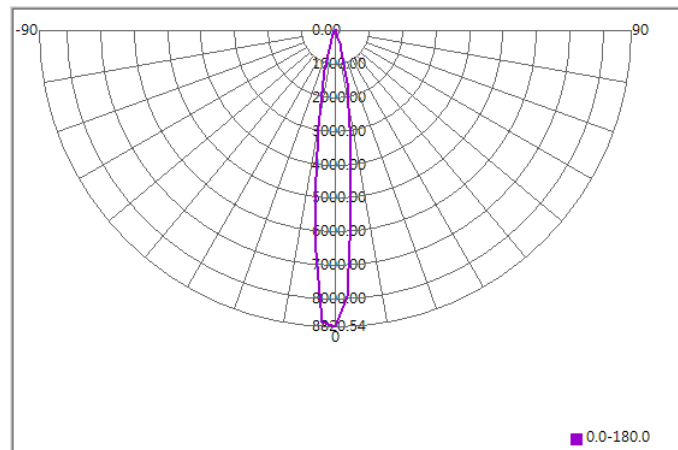




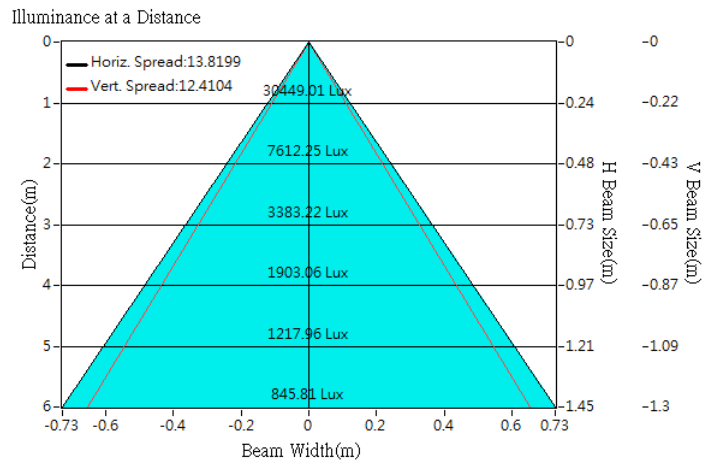
## Optical Characteristics

Model Number	CKO-CH15-110058-3601		<p>"H" definition</p>
LED	<b>Fortimo SLM 1208 L15 G7N</b>		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	13°		
Field Angle (D10)	33°		
H (distance)	4 mm		
Dimension	Φ =110 mm, Thickness=57.8 mm		
Luminous Flux	3452 lm	Measured @ 25.0 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances



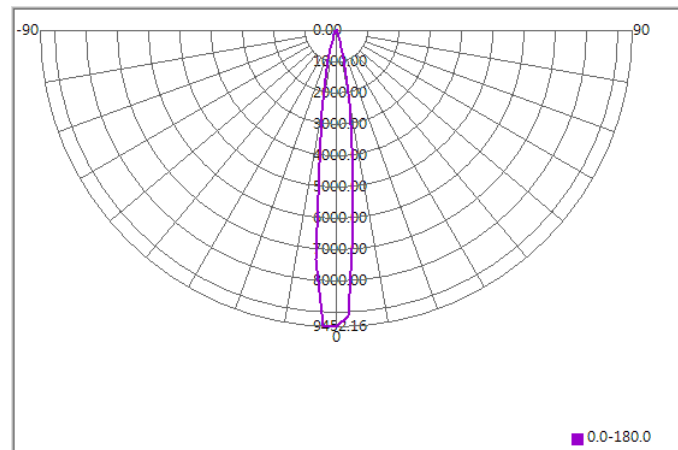




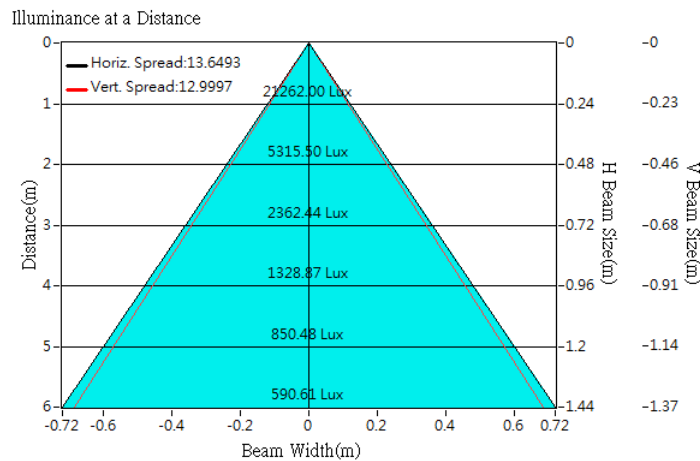
## Optical Characteristics

Model Number	CKO-CH15-110058-3601	<p>"H" definition</p> <p>LES CoB "H" mm (distance)</p>
LED	<b>Fortimo SLM 1208 L15 G7</b>	
LES / LED Size	Φ 15 mm	
FWHM (D50)	13°	
Field Angle (D10)	32°	
H (distance)	4 mm	
Dimension	Φ =110 mm, Thickness=57.8 mm	
Luminous Flux	2249 lm	
Material	PC / UL94V2	

## cd/klm



## Illuminance At Distances

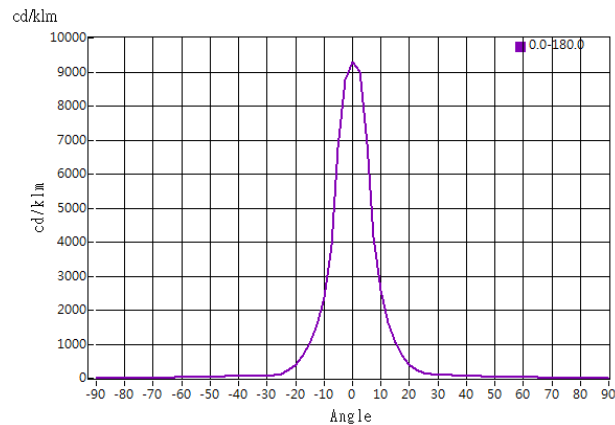




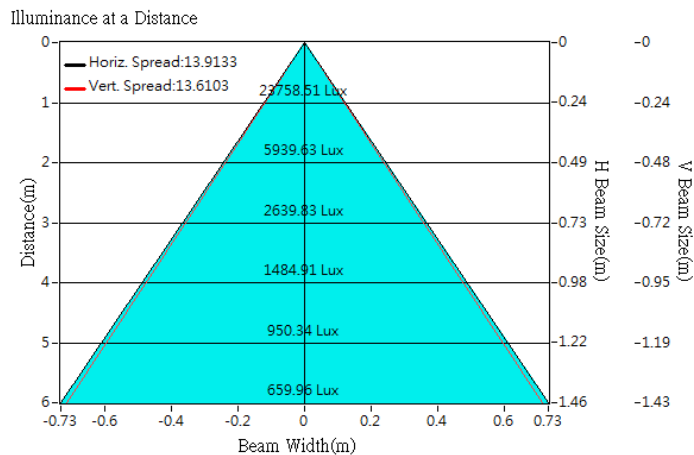
## Optical Characteristics

Model Number	CKO-CH15-110058-3601		
LED	Fortimo SLM 1208 L15 G6		
LES / LED Size	Φ 15 mm		
FWHM (D50)	13°		
Field Angle (D10)	31°		
H (distance)	4 mm		
Dimension	Φ =110 mm, Thickness=57.8 mm		
Luminous Flux	2557 lm	Measured @ 26.9 W	
Material	PC / UL94V2		

## cd/klm

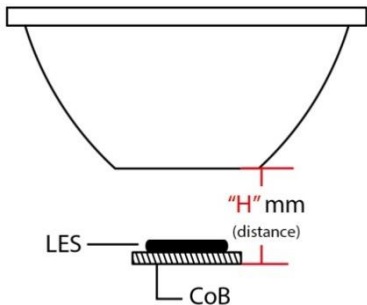


## Illuminance At Distances

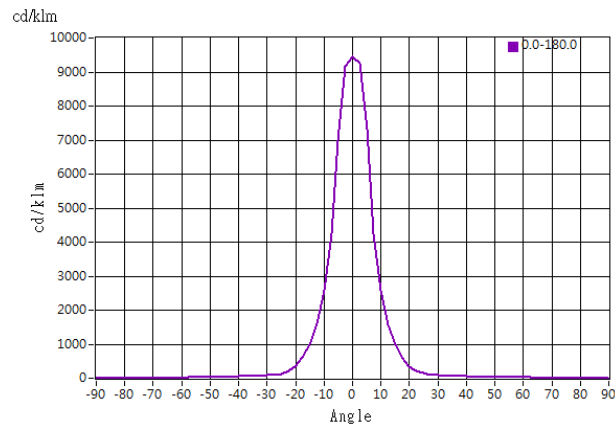




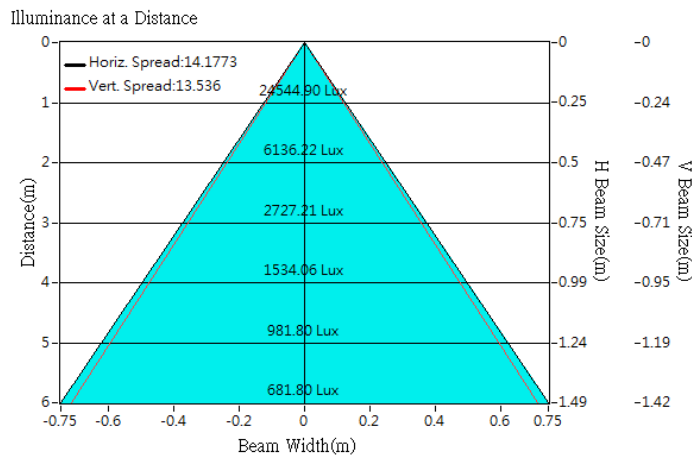
## Optical Characteristics

Model Number	CKO-CH15-110058-3601		<p>"H" definition</p> 
LED	Fortimo SLM C 1208 L15 2024 G6_PI		
LES / LED Size	Φ 15 mm		
FWHM (D50)	14°		
Field Angle (D10)	31°		
H (distance)	3.5mm		
Dimension	Φ =110 mm, Thickness=57.8 mm		
Luminous Flux	2598 lm	Measured @ 26.9 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

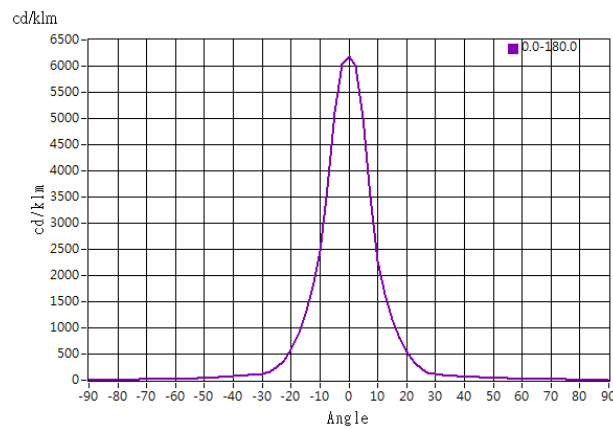




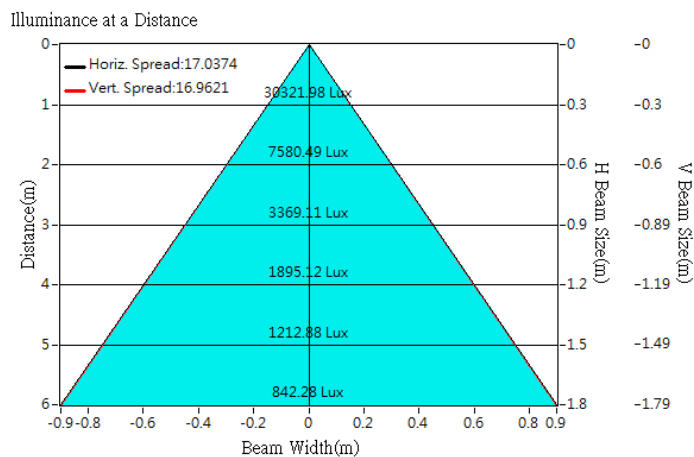
## Optical Characteristics

Model Number	CKO-CH15-110058-3601		
LED	Fortimo SLM 1211 L19 G6		
LES / LED Size	Φ 19 mm		
FWHM (D50)	17°		
Field Angle (D10)	39°		
H (distance)	4 mm		
Dimension	Φ =110 mm, Thickness=57.8 mm		
Luminous Flux	4901 lm	Measured @ 43.7 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

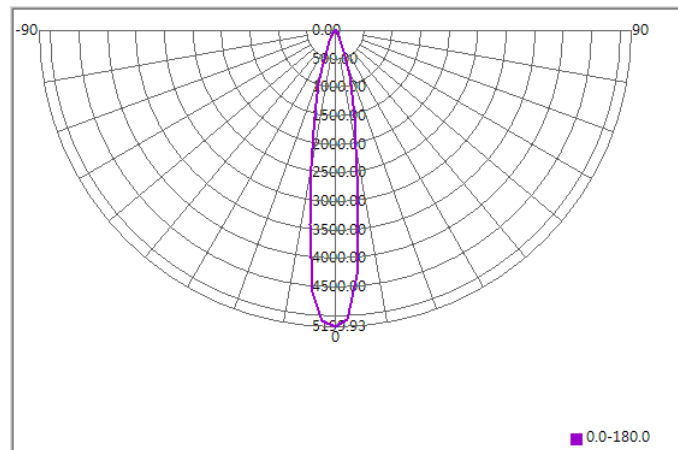




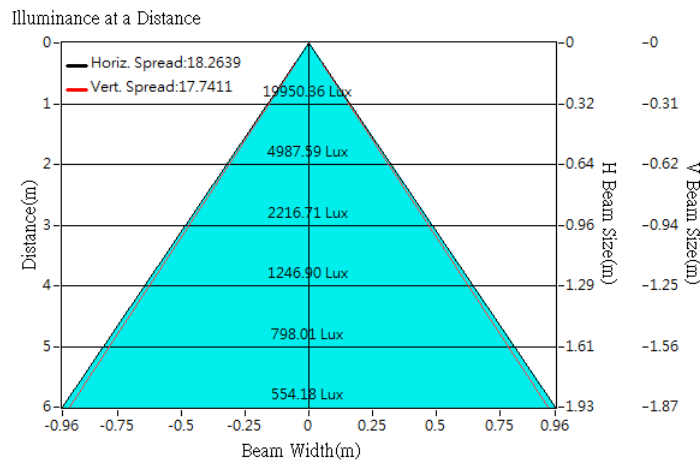
## Optical Characteristics

Model Number	CKO-CH15-110058-3601		<p>"H" definition</p>
LED	<b>Fortimo SLM 1211 L22 G7N</b>		
LES / LED Size	Φ 22 mm		
FWHM (D50)	18°		
Field Angle (D10)	43°		
H (distance)	4 mm		
Dimension	Φ =110 mm, Thickness=57.8 mm		
Luminous Flux	3836 lm	Measured @ 34.1 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

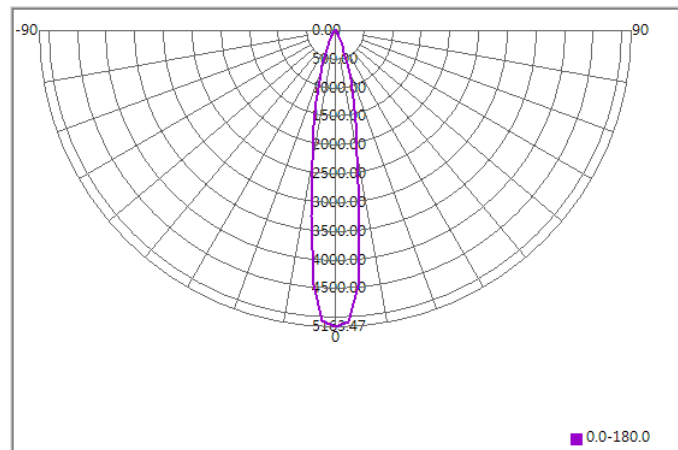




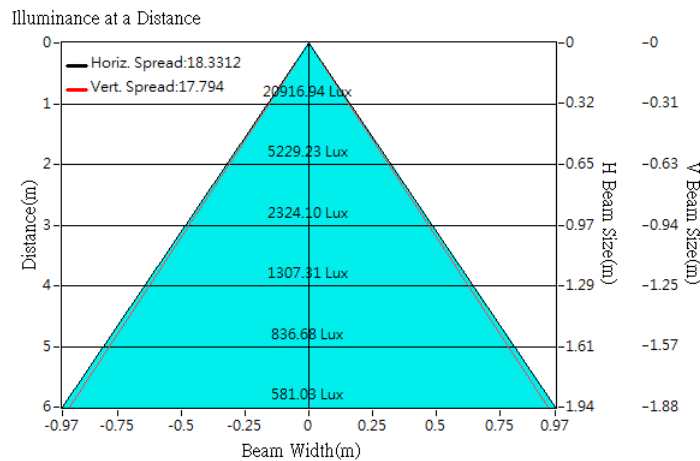
## Optical Characteristics

Model Number	CKO-CH15-110058-3601		<p>"H" definition</p>
LED	<b>Fortimo SLM 1212 L22 G7N</b>		
LES / LED Size	Φ 22 mm		
FWHM (D50)	18°		
Field Angle (D10)	43°		
H (distance)	4 mm		
Dimension	Φ =110 mm, Thickness=57.8 mm		
Luminous Flux	4050 lm	Measured @ 37.1 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

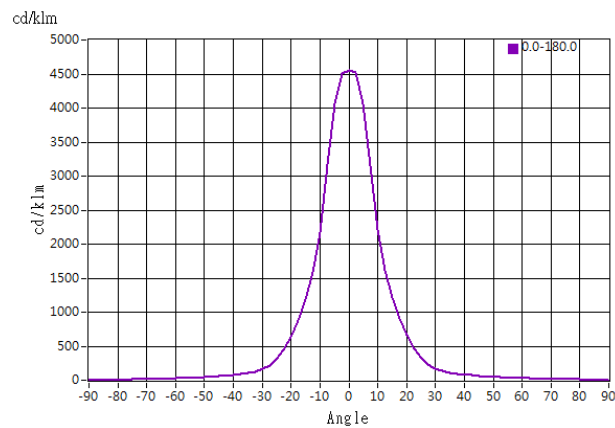




## Optical Characteristics

Model Number	CKO-CH15-110058-3601		<p>"H" definition</p>
LED	Fortimo SLM 1216 L23 G6		
LES / LED Size	Φ 23 mm		
FWHM (D50)	19°		
Field Angle (D10)	45°		
H (distance)	4 mm		
Dimension	Φ =110 mm, Thickness=57.8 mm		
Luminous Flux	5114 lm	Measured @ 42.3 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

