



## Product Model Number

CKO-CH17-060033-0203

### ✓ Model Number Definitions

**CKO-XXXX-XXXXXX-XXXX**

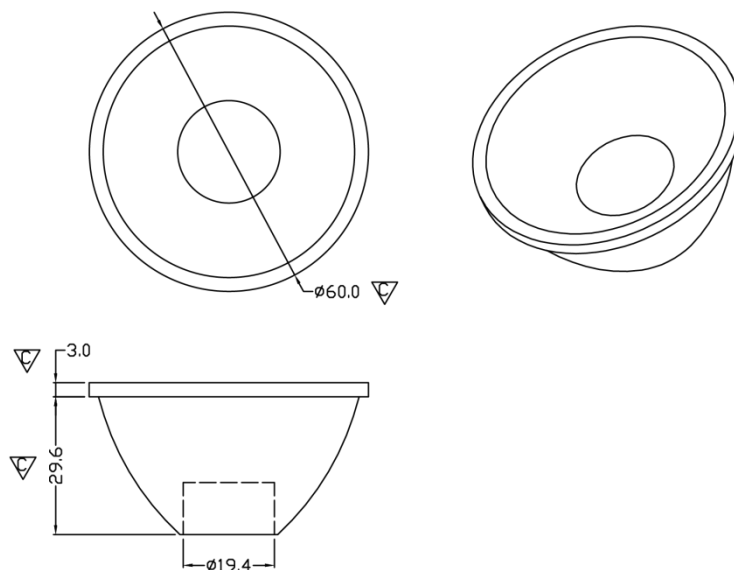


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation  
Ex:  
CH→CoB High Intensity  
CC→CoB Compact  
CS→Soft Shading for CoB LED  
HC→Holder for CoB LED

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

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

### ✓ Dimensions (mm) : Φ 60 x 32.6



▽:Critical Dimension



### ✓ Optical Characteristics – Angle Performances

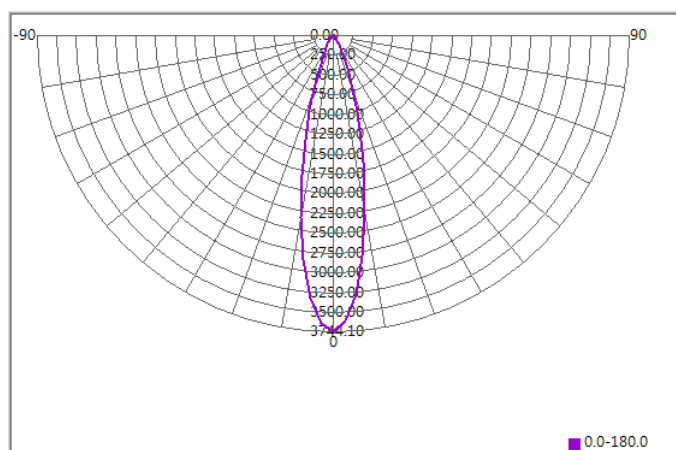
<b>Citizen</b>	<b>LED LES (mm)</b>	<b>FWHM (degrees)</b>	<b>Field Angle (degrees)</b>
CLU 711	Φ8.5	24°	49°
CLU 710	Φ8.5	26°	49°
CLU 028	Φ9.8	25°	51°
CLU 026	Φ9.8	26°	51°
CLU 721	Φ11	27°	54°
CLU 730	Φ13	30°	59°
CLU 038	Φ14.5	27°	57°
CLU 036	Φ14.5	31°	62°



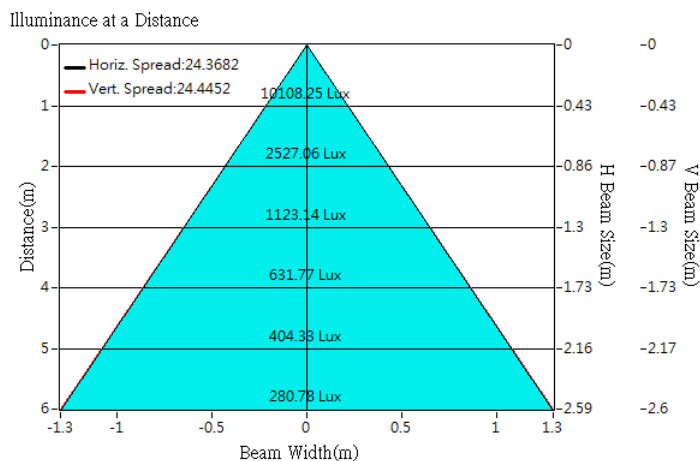
## Optical Characteristics

Model Number	CKO-CH17-060033-0203		<p>"H" definition</p>
LED	<b>CLU 711</b>		
LES / LED Size	Φ 8.5 mm		
FWHM (D50)	24°		
Field Angle (D10)	49°		
H (distance)	3.65mm		
Dimension	Φ =60 mm, Thickness=32.6 mm		
Luminous Flux	2699 lm	Measured @ 26.8 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances



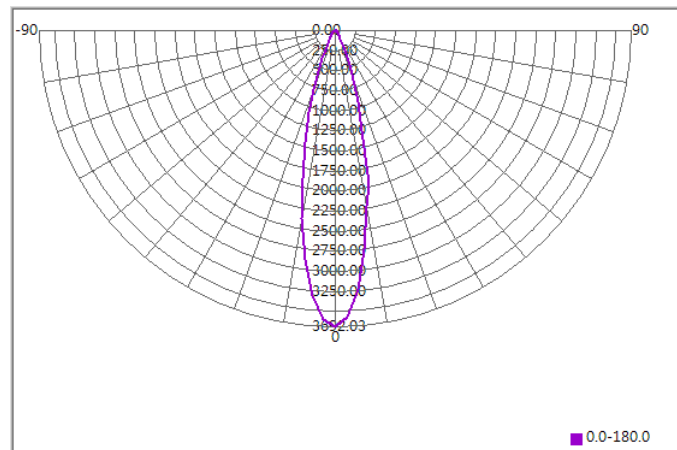




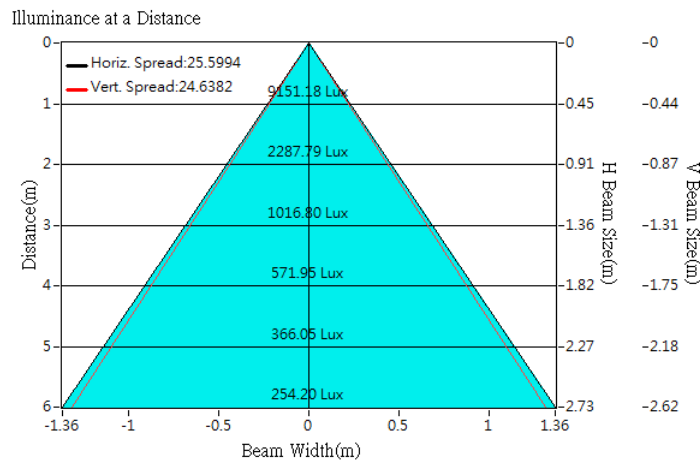
## Optical Characteristics

Model Number	CKO-CH17-060033-0203		<p>"H" definition</p>
LED	<b>CLU 710</b>		
LES / LED Size	Φ 8.5 mm		
FWHM (D50)	26°		
Field Angle (D10)	49°		
H (distance)	3.65mm		
Dimension	Φ =60 mm, Thickness=32.6 mm		
Luminous Flux	2478 lm	Measured @ 27.5 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

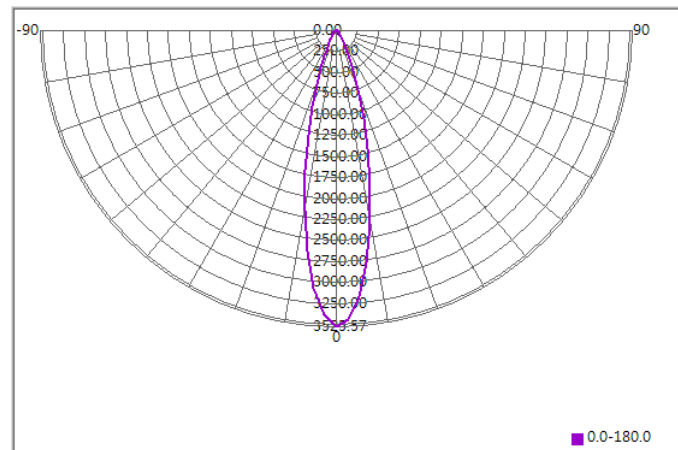




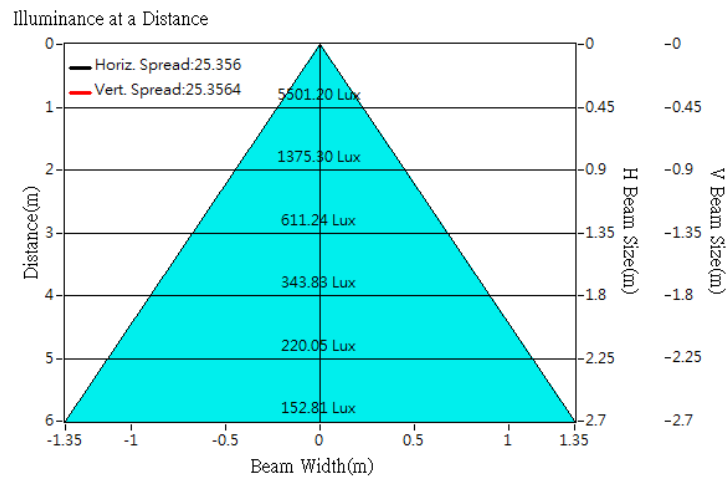
## Optical Characteristics

Model Number	CKO-CH17-060033-0203		<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CLU 028</b>		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	25°		
Field Angle (D10)	51°		
H (distance)	3.65mm		
Dimension	Φ =60 mm, Thickness=32.6 mm		
Luminous Flux	1560 lm	Measured @ 12.4 W	
Material	PC / UL94V2		

## cd/klm

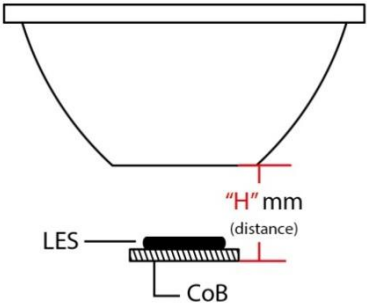


## Illuminance At Distances

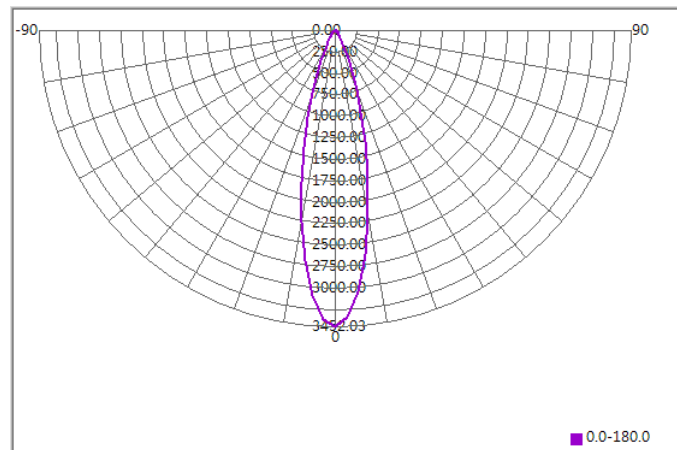




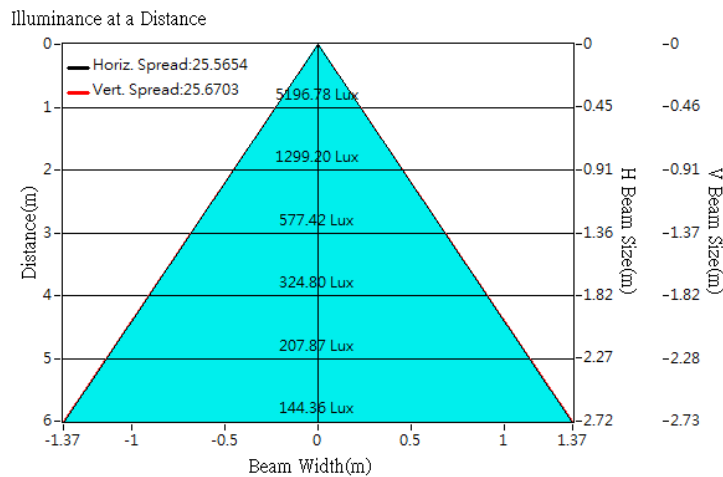
## Optical Characteristics

Model Number	CKO-CH17-060033-0203		<p>"H" definition</p> 
LED	CLU 026		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	26°		
Field Angle (D10)	51°		
H (distance)	3.65mm		
Dimension	Φ =60 mm, Thickness=32.6 mm		
Luminous Flux	1505 lm	Measured @ 12.4 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances



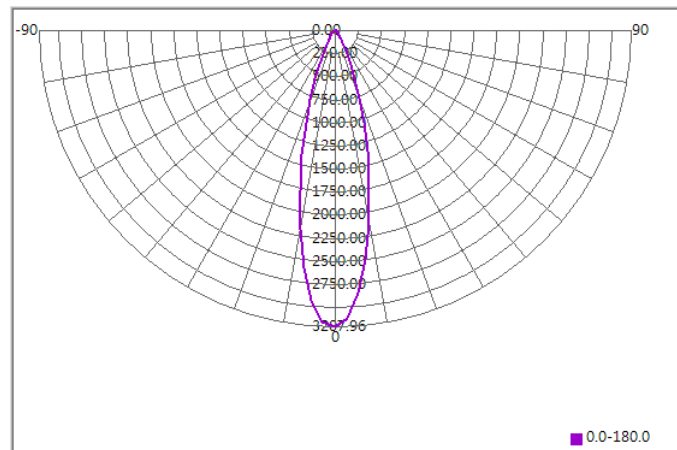




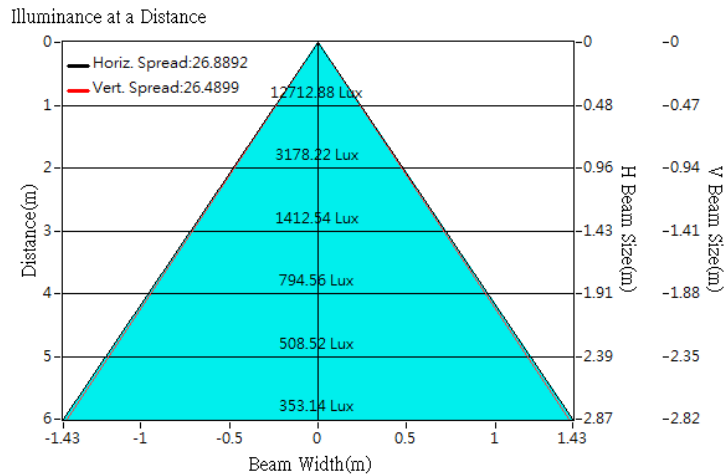
## Optical Characteristics

Model Number	CKO-CH17-060033-0203		<p>"H" definition</p>
LED	<b>CLU 721</b>		
LES / LED Size	Φ 11 mm		
FWHM (D50)	27°		
Field Angle (D10)	54°		
H (distance)	3.65mm		
Dimension	Φ =60 mm, Thickness=32.6 mm		
Luminous Flux	3963 lm	Measured @ 40.6 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

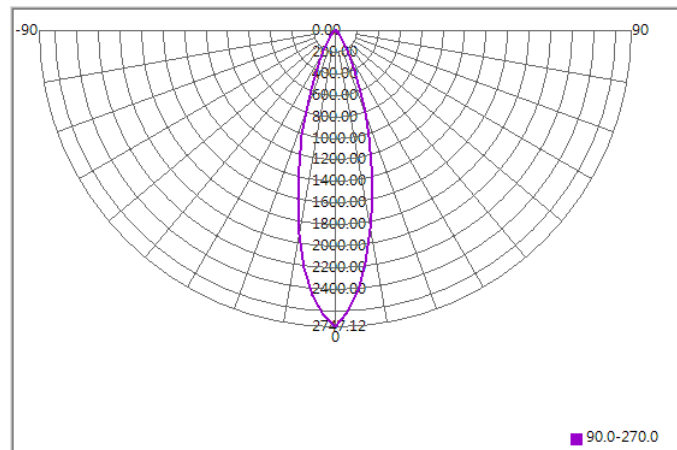




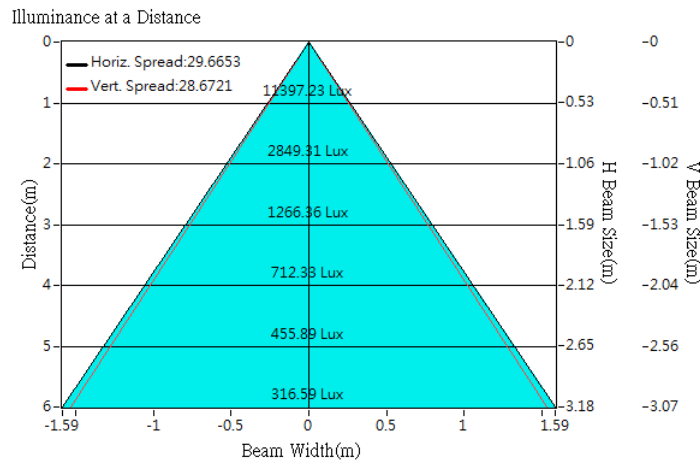
## Optical Characteristics

Model Number	CKO-CH17-060033-0203		<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CLU 730</b>		
LES / LED Size	Φ 13 mm		
FWHM (D50)	30°		
Field Angle (D10)	59°		
H (distance)	3.65mm		
Dimension	Φ =60 mm, Thickness=32.6 mm		
Luminous Flux	4149 lm	Measured @ 63 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances



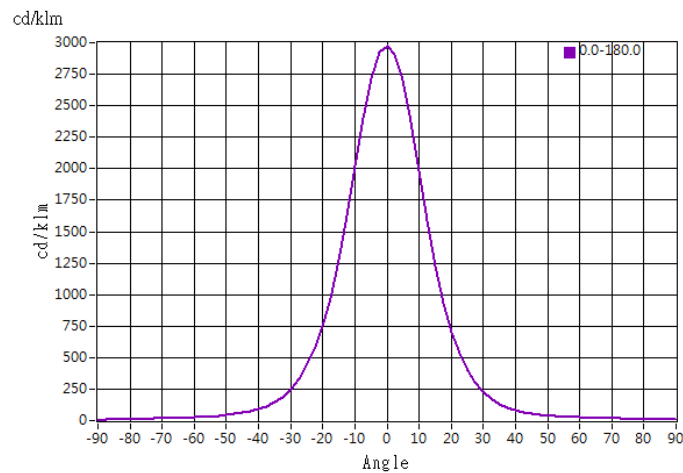




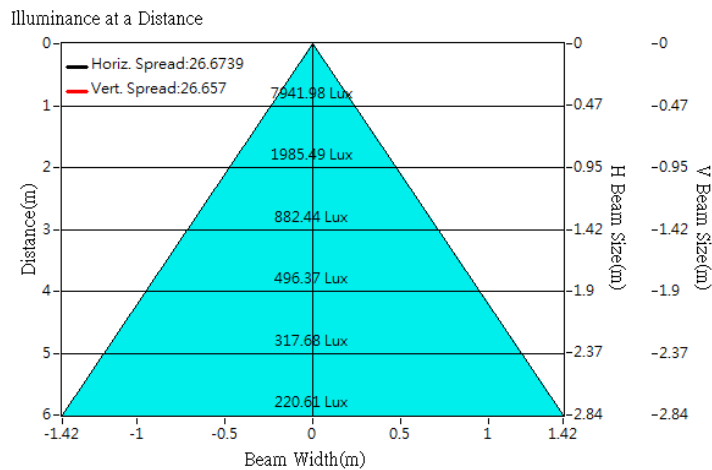
## Optical Characteristics

Model Number	CKO-CH17-060033-0203		<p>"H" definition</p>
LED	CLU 038		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	27°		
Field Angle (D10)	57°		
H (distance)	3.65mm		
Dimension	Φ =60 mm, Thickness=32.6 mm		
Luminous Flux	2669 lm	Measured @ 24.8 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

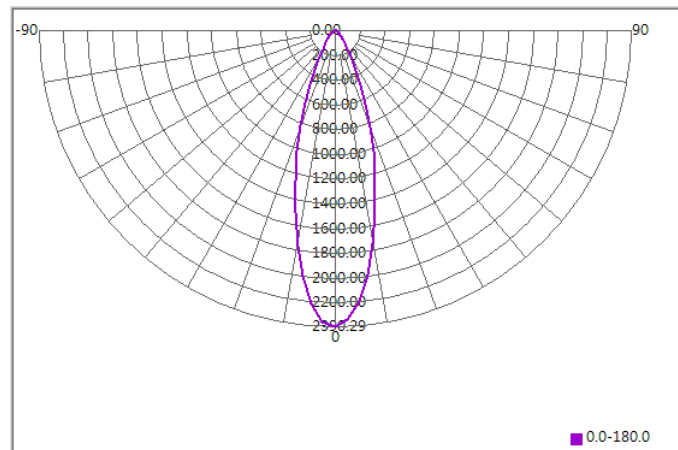




## Optical Characteristics

Model Number	CKO-CH17-060033-0203		<p>"H" definition</p>
LED	CLL 036		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	31°		
Field Angle (D10)	62°		
H (distance)	3.65mm		
Dimension	Φ =60 mm, Thickness=32.6 mm		
Luminous Flux	1865 lm	Measured @ 15.6 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

