

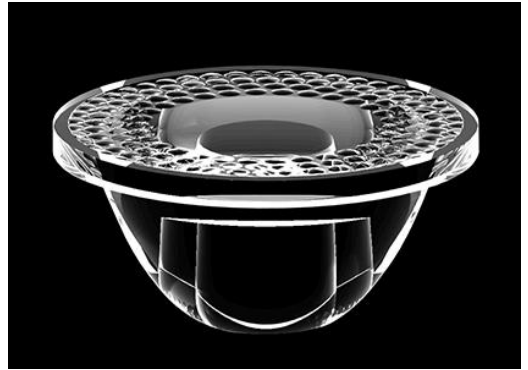


Product Model Number

CKO-CS17-045021-1307

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

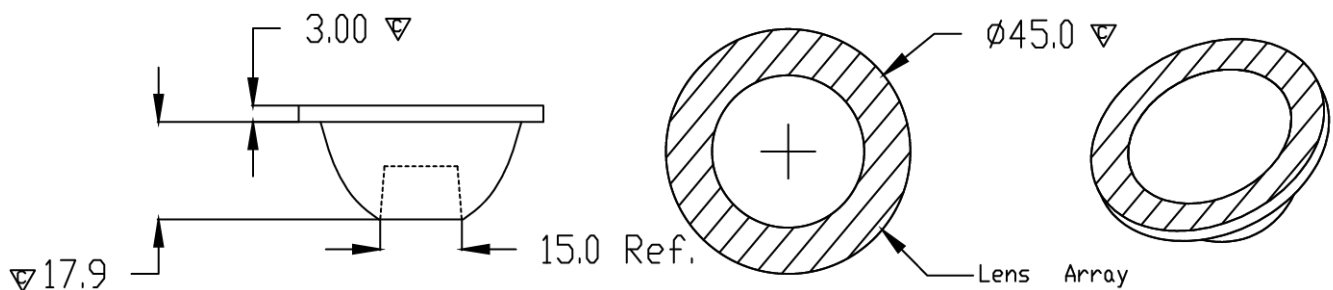


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

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

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

✓ Dimensions (mm) : Φ45 x 20.9



▽:Critical Dimension



✓ Optical Characteristics – Angle Performances

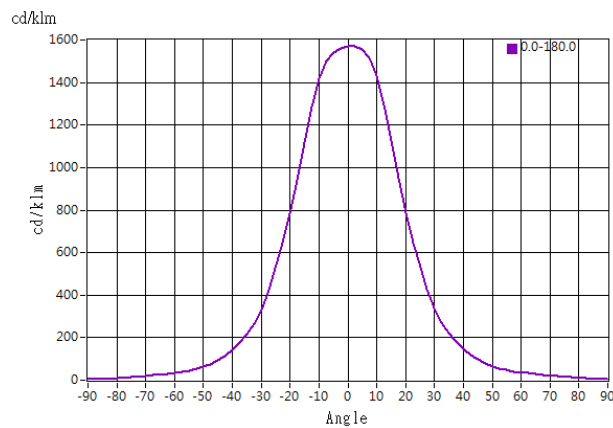
Citizen	LED LES (mm)	FWHM (degrees)	Field Angle (degrees)
CLU 701	Φ6	39°	78°
CLU 700	Φ6	40°	78°
CLU 711	Φ8.5	42°	81°
CLU 710	Φ8.5	41°	81°
CLU 028	Φ9.8	42°	82°
CLU 026	Φ9.8	43°	84°
CLU 721	Φ11	45°	86°
CLU 720	Φ11	45°	85°



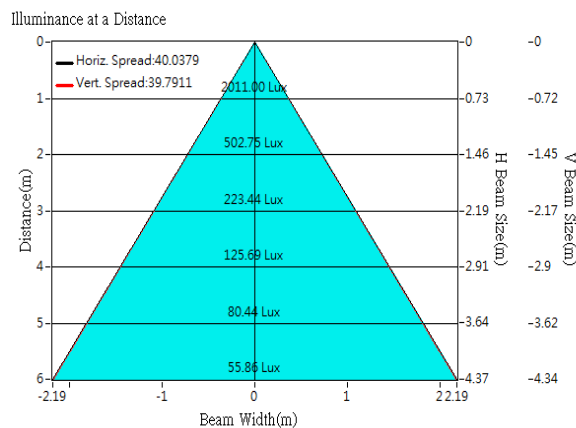
Optical Characteristics

Model Number	CKO-CS17-045021-1307		<p>"H" definition</p>
LED	CLU 700		
LES / LED Size	Φ 6 mm		
FWHM (D50)	40°		
Field Angle (D10)	78°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	1282 lm	Measured @ 14.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

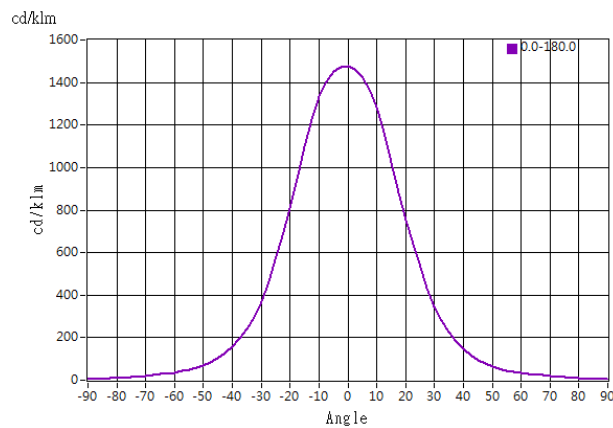




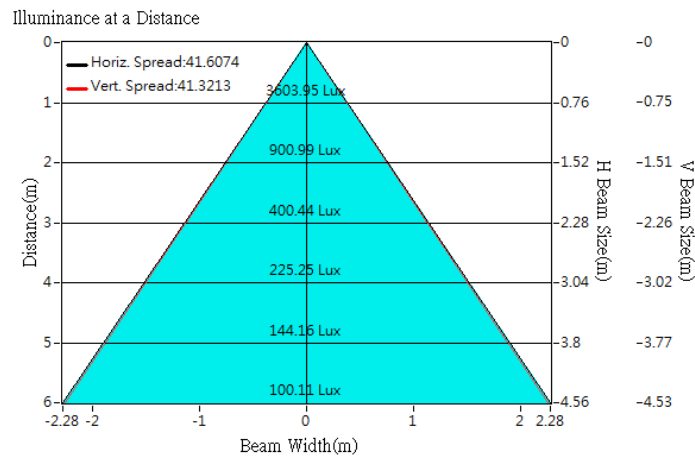
Optical Characteristics

Model Number	CKO-CS17-045021-1307		<p>"H" definition</p>
LED	CLU 710		
LES / LED Size	Φ 8.5 mm		
FWHM (D50)	41°		
Field Angle (D10)	81°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	2438 lm	Measured @ 26.3 W	
Material	PC / UL94V2		

cd/klm

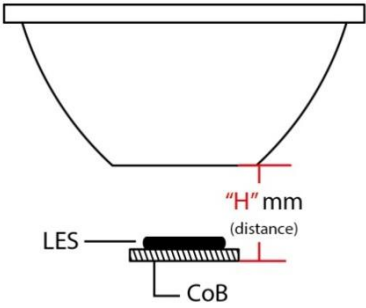


Illuminance At Distances

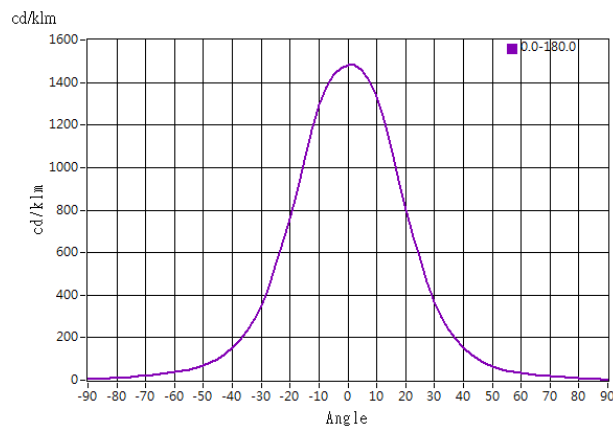




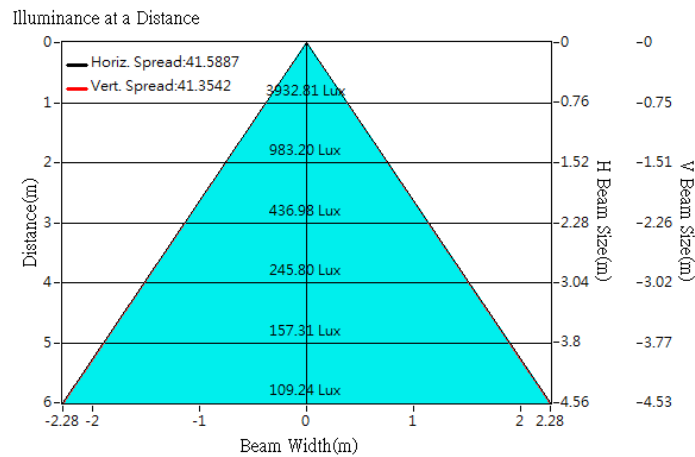
Optical Characteristics

Model Number	CKO-CS17-045021-1307		<p>"H" definition</p> 
LED	CLU 711		
LES / LED Size	Φ 8.5 mm		
FWHM (D50)	42°		
Field Angle (D10)	81°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	2651 lm	Measured @ 25.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

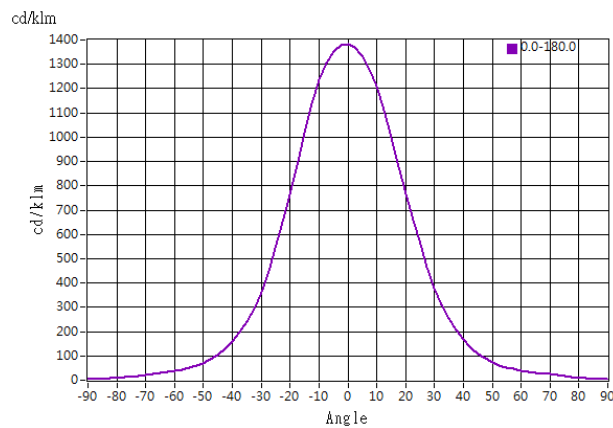




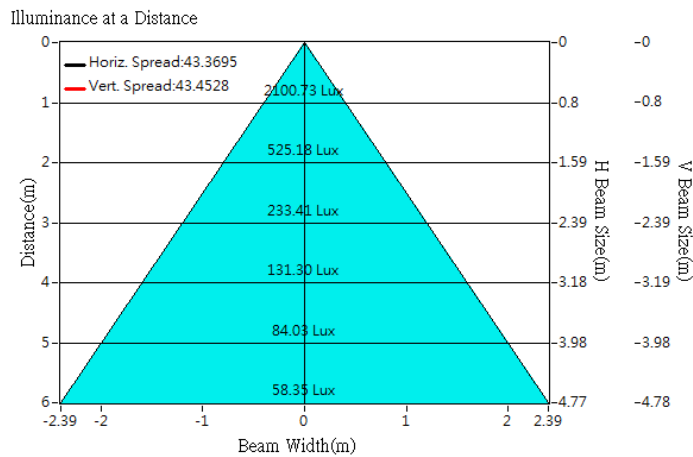
Optical Characteristics

Model Number	CKO-CS17-045021-1307		<p>"H" definition</p>
LED	CLU 026		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	43°		
Field Angle (D10)	84°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	1521 lm	Measured @ 12.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

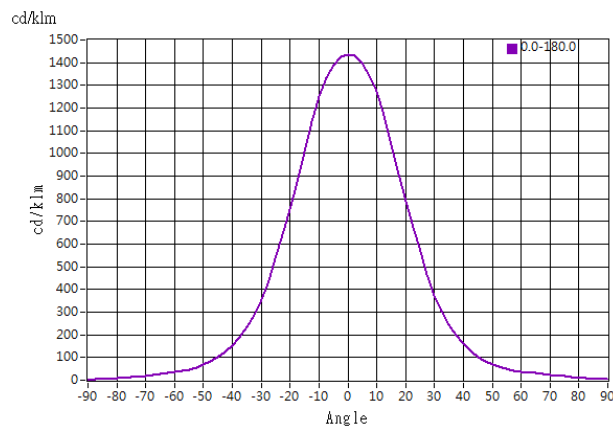




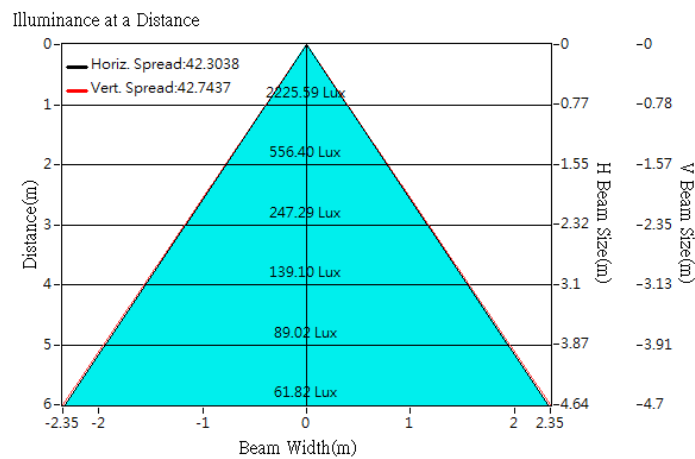
Optical Characteristics

Model Number	CKO-CS17-045021-1307		<p>"H" definition</p>
LED	CLU 028		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	42°		
Field Angle (D10)	82°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	1550 lm	Measured @ 12.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

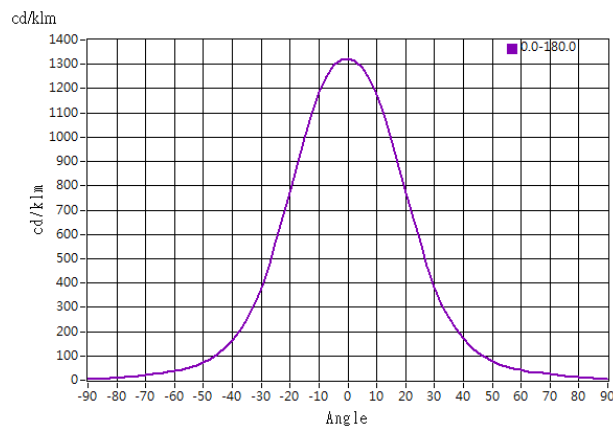




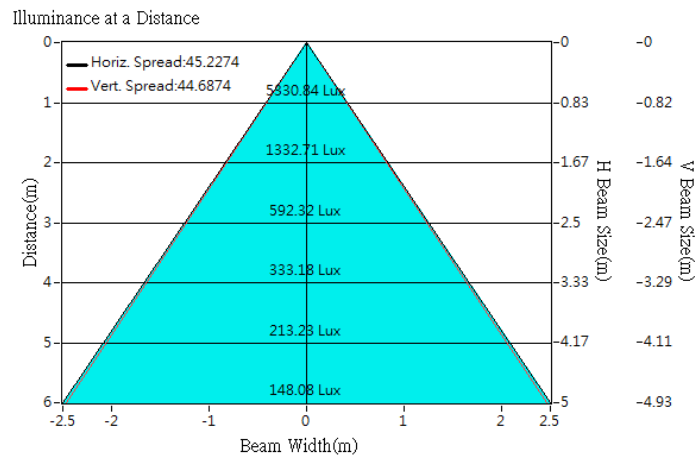
Optical Characteristics

Model Number	CKO-CS17-045021-1307		<p>"H" definition</p>
LED	CLU 721		
LES / LED Size	Φ 11 mm		
FWHM (D50)	45°		
Field Angle (D10)	86°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	4028 lm	Measured @ 38.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

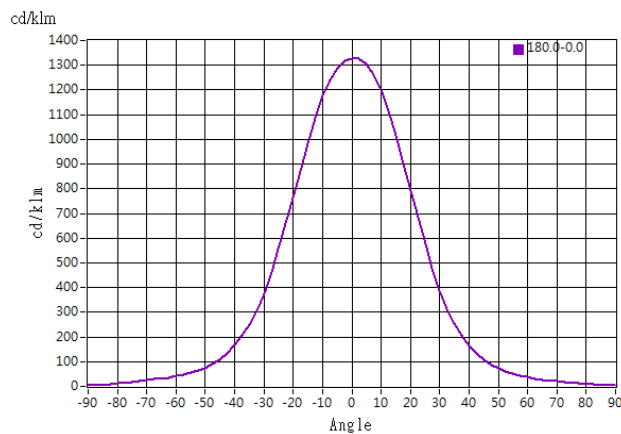




Optical Characteristics

Model Number	CKO-CS17-045021-1307		<p>"H" definition</p>
LED	CLU 720		
LES / LED Size	Φ 11 mm		
FWHM (D50)	45°		
Field Angle (D10)	85°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	3583 lm	Measured @ 38.8 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

