



Product Model Number

CKO-ZU15-075017-9701

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

(A)

(B)

(C)

(D)

(E)

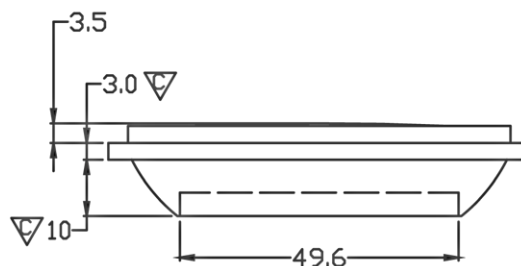
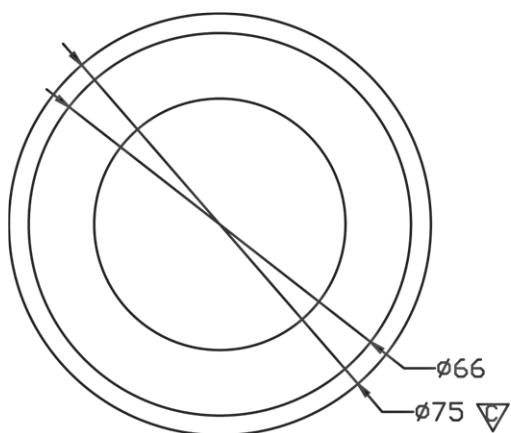


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
ZU→Multi-Angle Zooming Lens
HC→Holder for CoB LED

- 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) : Φ75 x 16.5

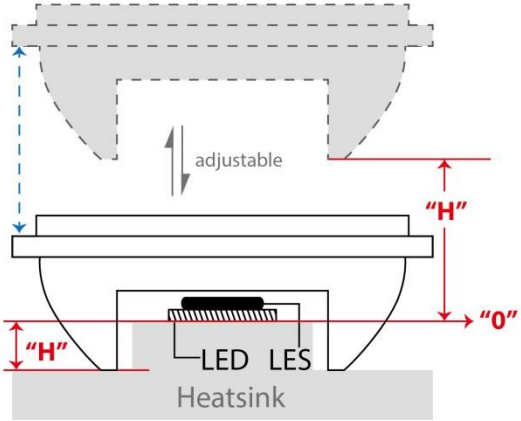


▽:Critical Dimension

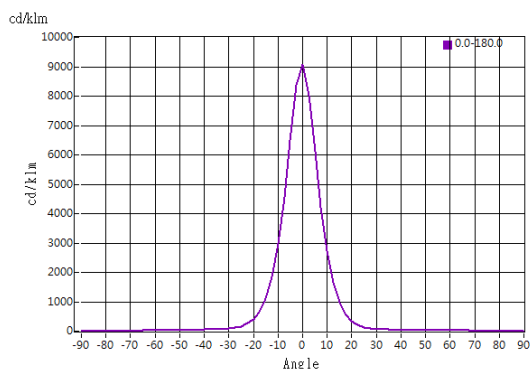
[illegible]



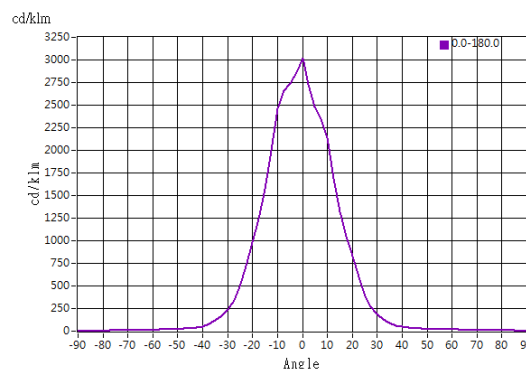
Optical Characteristics

Model Number	CKO-ZU15-075017-9701	"H" definition
LED	CLU 710	
LES / LED Size	Φ 8.5 mm	
FWHM (D50)	14°-29°	
Field Angle (D10)	32°-55°	
H (distance)	5.5mm~0.75mm	
Dimension	Φ =60 mm, Thickness=13 mm	
Luminous Flux	2740 lm ~ 2770 lm (14°-29°) Measured @ 27.2 W	
Material	PC / UL94V2	

cd/klm

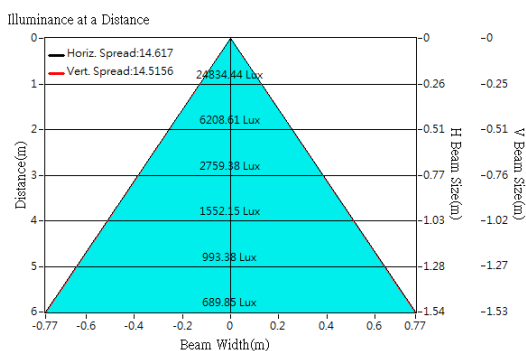


H: 5.5 mm

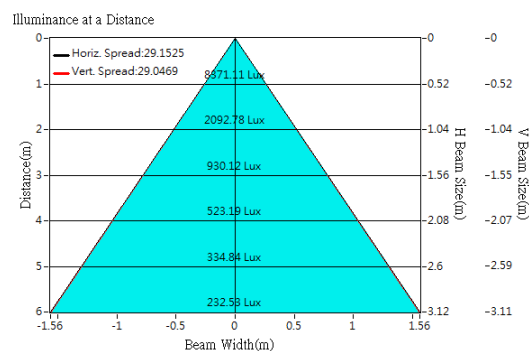


H: 0.75 mm

Illuminance At Distances



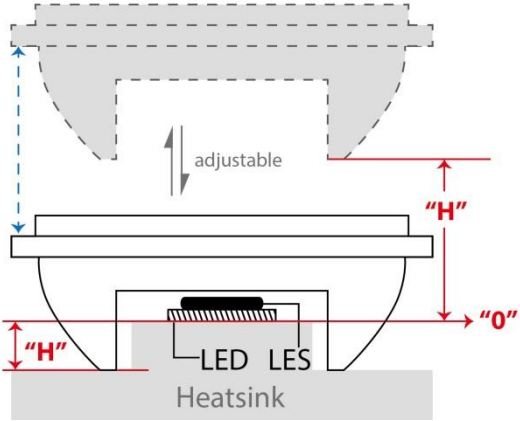
H: 5.5 mm



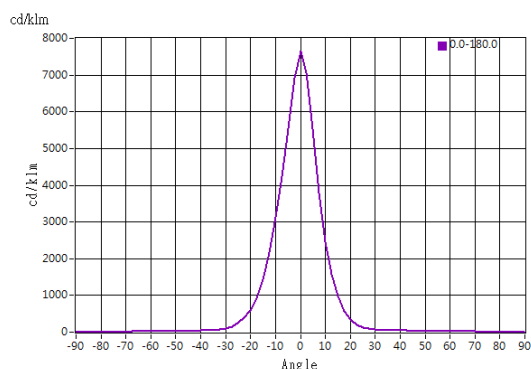
H: 0.75mm



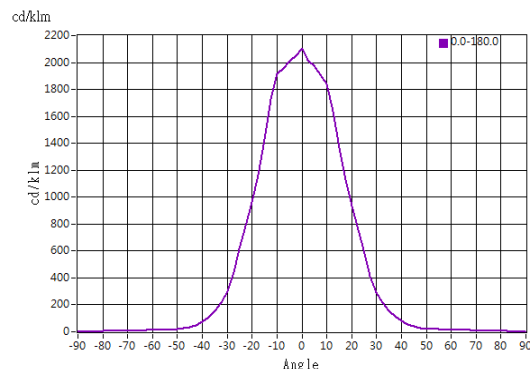
Optical Characteristics

Model Number	CKO-ZU15-075017-9701	"H" definition
LED	CLU 028	
LES / LED Size	Φ 9.8 mm	
FWHM (D50)	15°-36°	
Field Angle (D10)	35°-64°	
H (distance)	5.0mm~0.5mm	
Dimension	Φ =75 mm, Thickness=16.5 mm	
Luminous Flux	1774 lm ~ 1796 lm (15° ~36 °) Measured @ 12.8 W	
Material	PC / UL94V2	

cd/klm

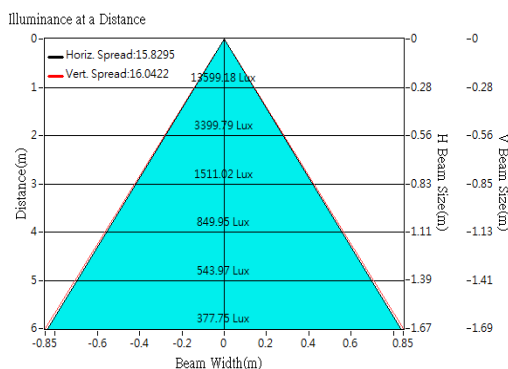


H: 5.0 mm

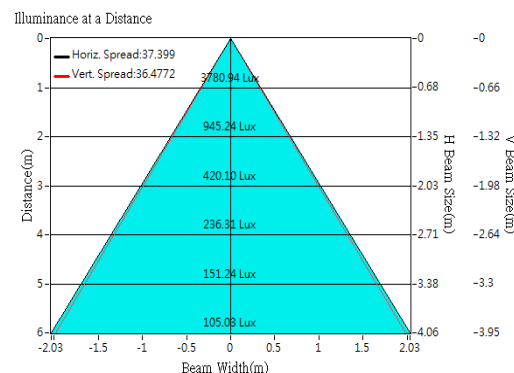


H: 0.5 mm

Illuminance At Distances



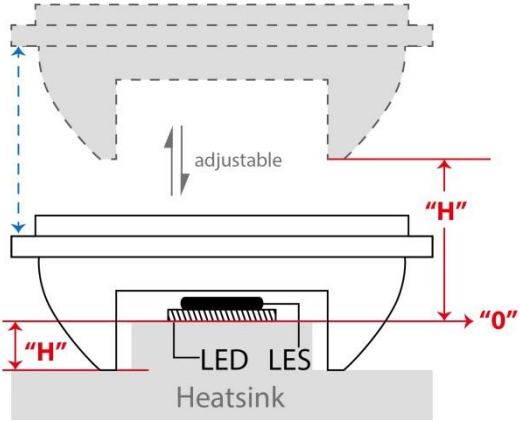
H: 5.0 mm



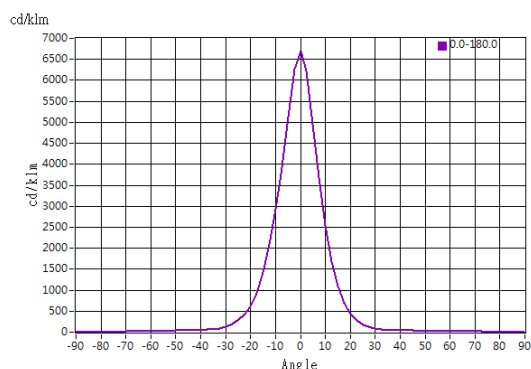
H: 0.5 mm



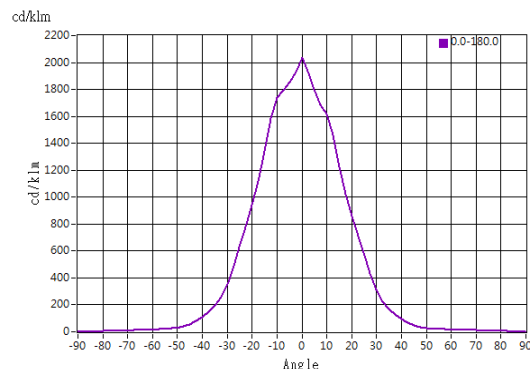
Optical Characteristics

Model Number	CKO-ZU15-075017-9701	"H" definition
LED	CLU 721	
LES / LED Size	Φ 11 mm	
FWHM (D50)	17°-37°	
Field Angle (D10)	37°-68°	
H (distance)	5.0mm~0.5mm	
Dimension	Φ =75 mm, Thickness=16.5 mm	
Luminous Flux	4591 lm ~ 4615 lm (17° ~37°) Measured @ 40.1 W	
Material	PC / UL94V2	

cd/klm

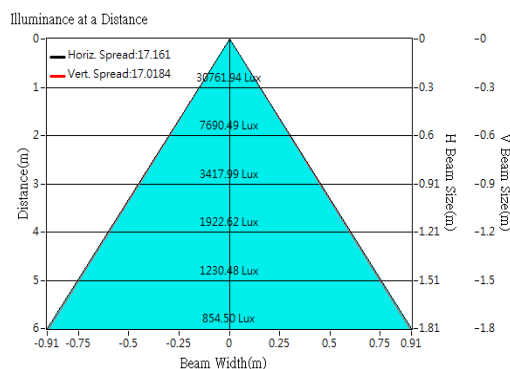


H: 5.0 mm

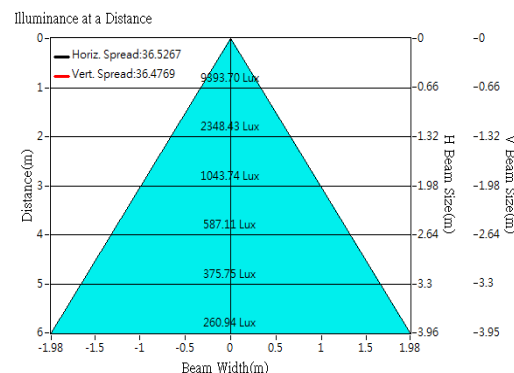


H: 0.5 mm

Illuminance At Distances



H: 5.0 mm

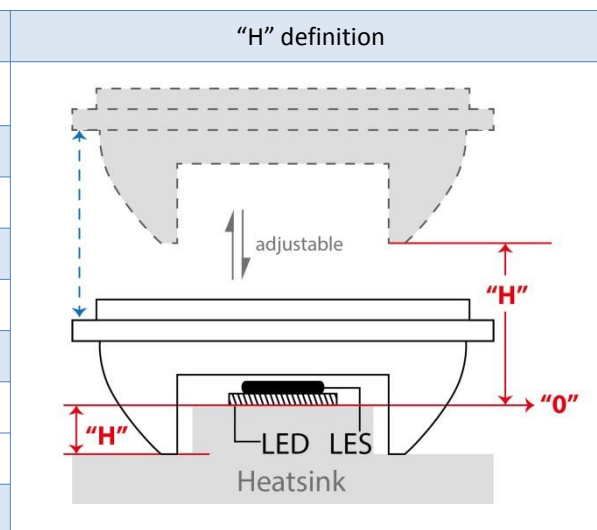


H: 0.5 mm

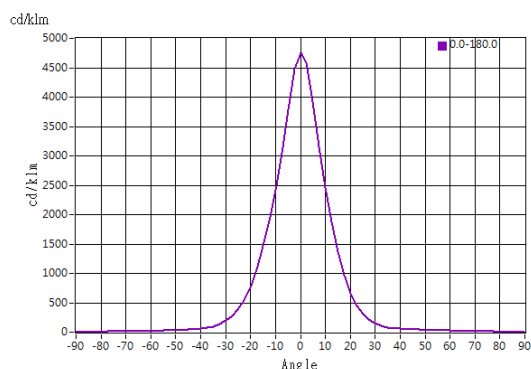


Optical Characteristics

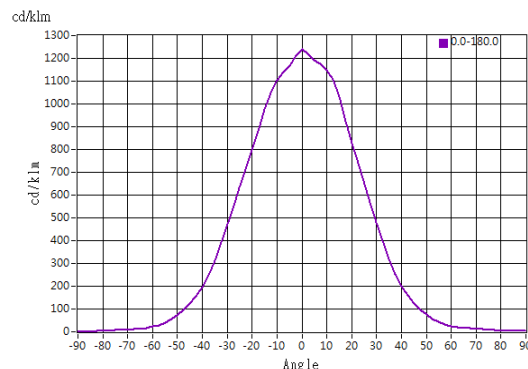
Model Number	CKO-ZU15-075017-9701
LED	CLL 030
LES / LED Size	Φ 14.5 mm
FWHM (D50)	21°-51°
Field Angle (D10)	46°-90°
H (distance)	4.5mm~0.8mm
Dimension	Φ =75 mm, Thickness=16.5 mm
Luminous Flux	1196 lm ~ 1188 lm (21° ~51 °) Measured @ 13.4 W
Material	PC / UL94V2



cd/klm

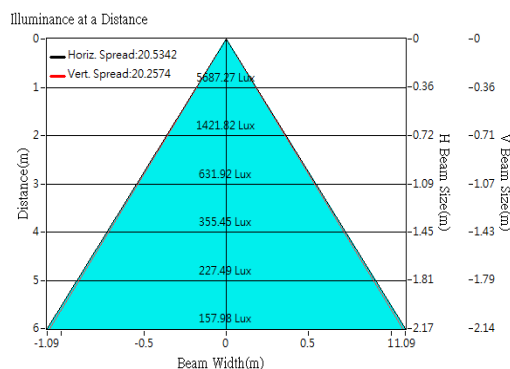


H: 4.5 mm

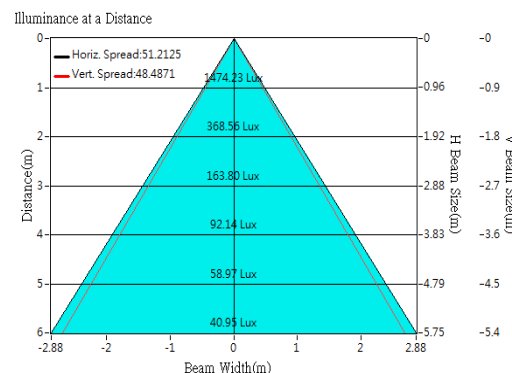


H: -0.8 mm

Illuminance At Distances



H: 4.5 mm

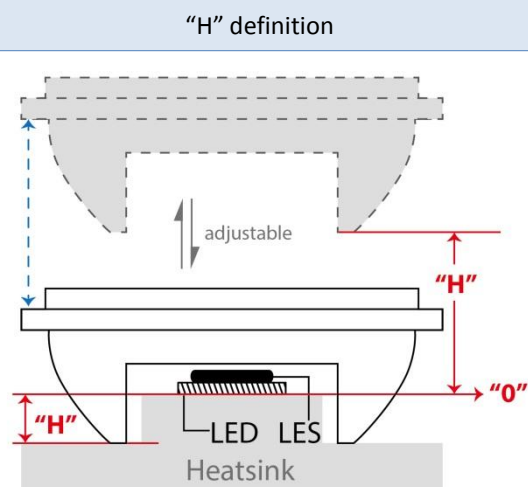


H: -0.8 mm

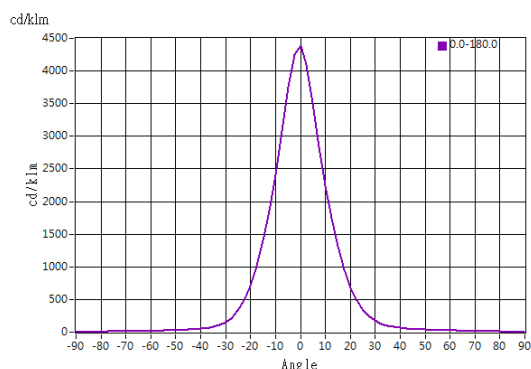


Optical Characteristics

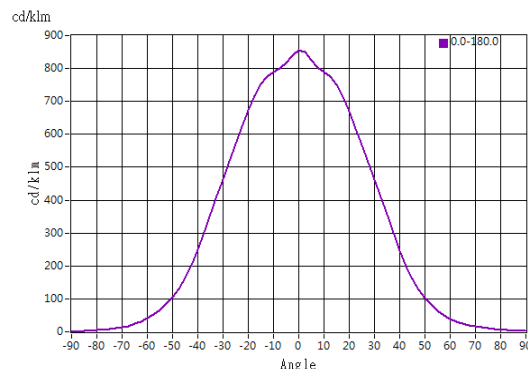
Model Number	CKO-ZU15-075017-9701
LED	CLL 032
LES / LED Size	Φ 14.5 mm
FWHM (D50)	21°-63°
Field Angle (D10)	46°-104°
H (distance)	4.5mm~2.5mm
Dimension	Φ =75 mm, Thickness=16.5 mm
Luminous Flux	1425 lm ~ 1455 lm (21° ~63 °) Measured @ 12.5 W
Material	PC / UL94V2



cd/klm

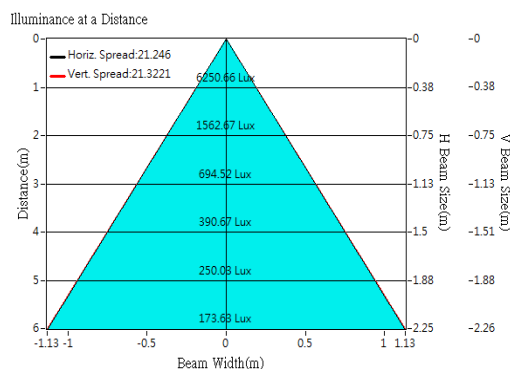


H: 4.5 mm

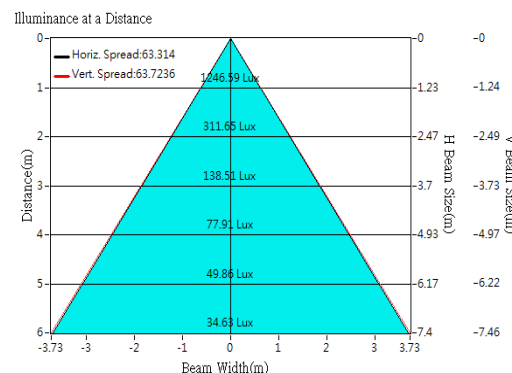


H: -2.5 mm

Illuminance At Distances



H: 4.5 mm



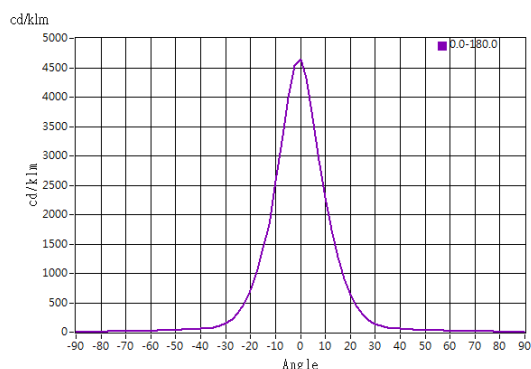
H: -2.5 mm



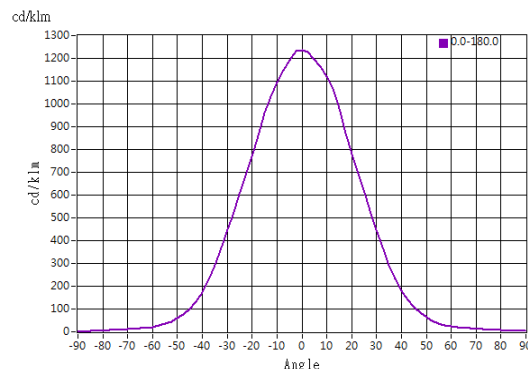
Optical Characteristics

Model Number	CKO-ZU15-075017-9701	"H" definition
LED	CLU 034	
LES / LED Size	Φ 14.5 mm	
FWHM (D50)	21°-49°	
Field Angle (D10)	45°-87°	
H (distance)	5.0mm ~ -1.3mm	
Dimension	Φ =75 mm, Thickness=16.5 mm	
Luminous Flux	2742 lm ~ 2810 lm (21° ~49°) Measured @ 25 W	
Material	PC / UL94V2	

cd/klm

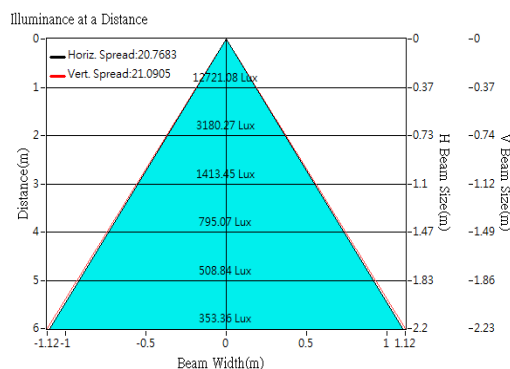


H: 5.0 mm

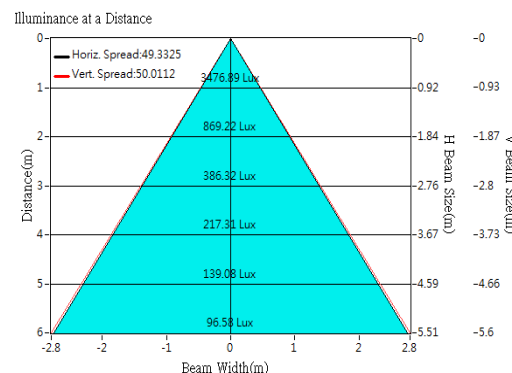


H: -1.3 mm

Illuminance At Distances



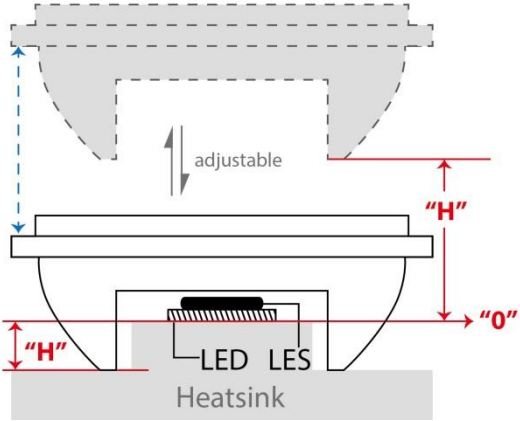
H: 5.0 mm



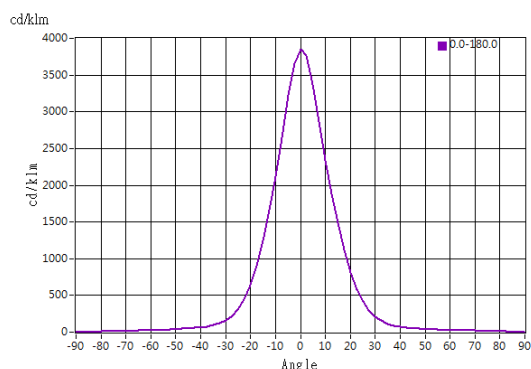
H: -1.3 mm



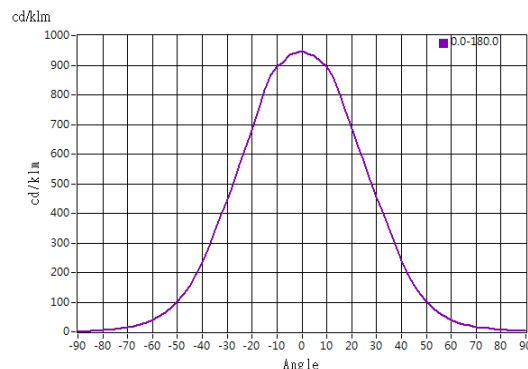
Optical Characteristics

Model Number	CKO-ZU15-075017-9701	"H" definition
LED	CLU 036	
LES / LED Size	Φ 14.5 mm	
FWHM (D50)	23°-57°	
Field Angle (D10)	49°-100°	
H (distance)	5.0mm~2.3mm	
Dimension	Φ =75 mm, Thickness=16.5 mm	
Luminous Flux	2025 lm ~ 2099 lm (23° ~57°) Measured @ 15.8 W	
Material	PC / UL94V2	

cd/klm

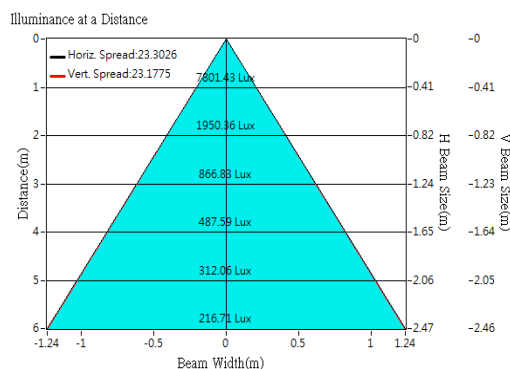


H: 5.0 mm

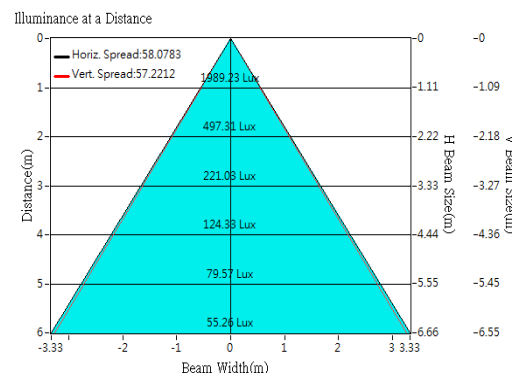


H: -2.3 mm

Illuminance At Distances



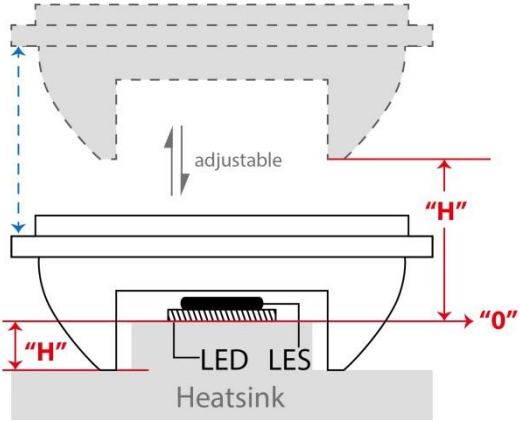
H: 5.0 mm



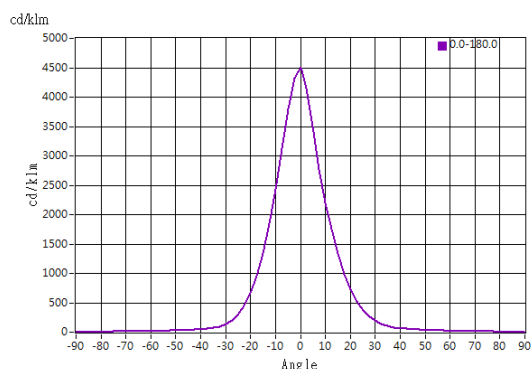
H: -2.3 mm



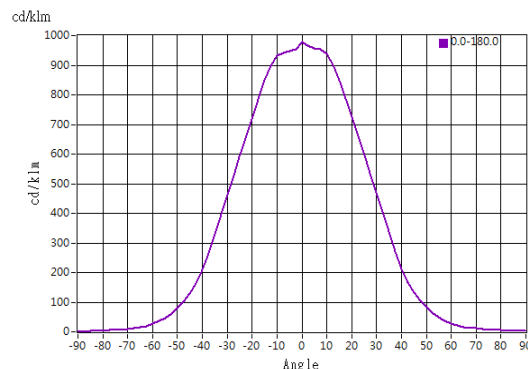
Optical Characteristics

Model Number	CKO-ZU15-075017-9701	"H" definition 
LED	CLU 038	
LES / LED Size	Φ 14.5 mm	
FWHM (D50)	21°-59°	
Field Angle (D10)	46°-98°	
H (distance)	4.0mm~2.3mm	
Dimension	Φ =75 mm, Thickness=16.5 mm	
Luminous Flux	2879 lm ~ 3161 lm (21° ~59°) Measured @ 25.8 W	
Material	PC / UL94V2	

cd/klm

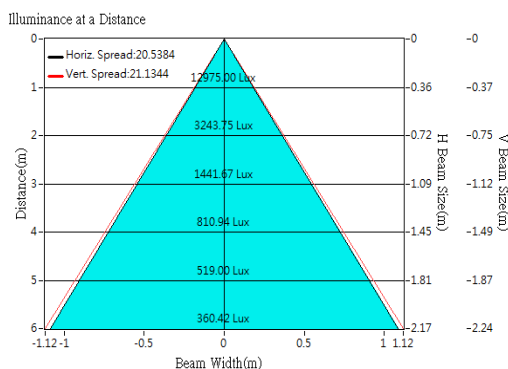


H: 4.0 mm

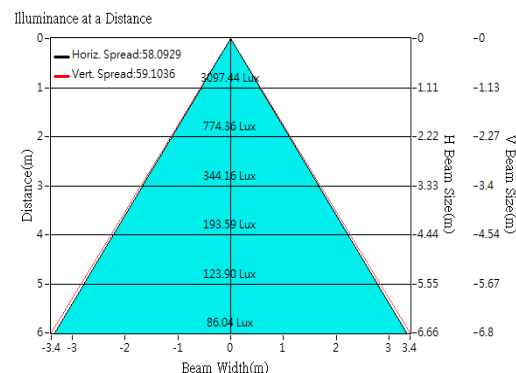


H: -2.3 mm

Illuminance At Distances



H: 4.0 mm



H: -2.3 mm