



Product Model Number

CKO-ZU15-075017-9701

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

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(A)

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(B)

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(C)

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(D)

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(E)

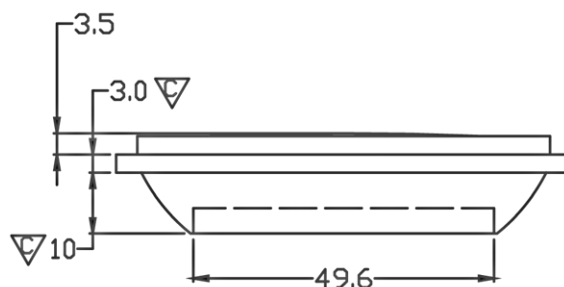
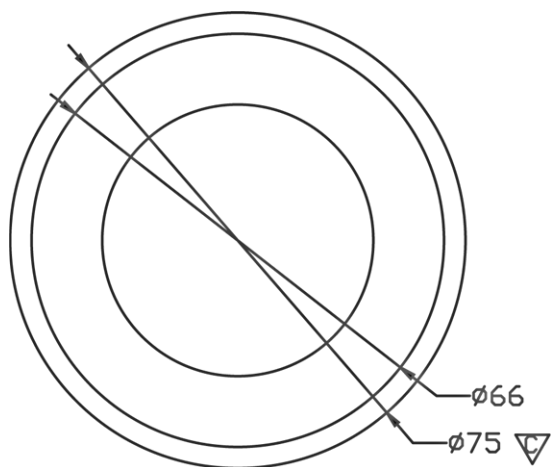


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
ZU→Multi-Angle Zooming Lens
HC→Holder for CoB LED

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

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

✓ Dimensions (mm) : Φ75 x 16.5



▽:Critical Dimension



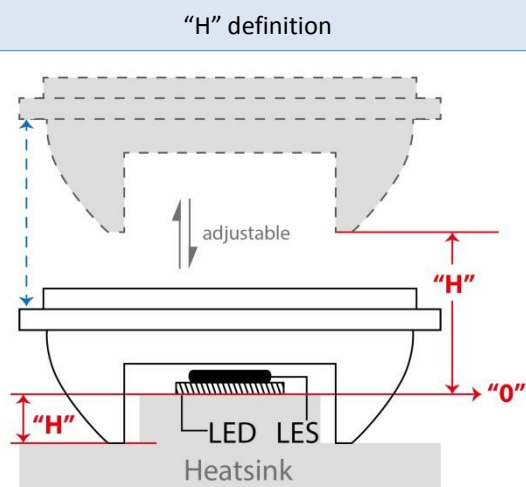
✓ **Optical Characteristics – Angle Performances**

Cree	LED LES (mm)	FWHM (degrees)	Field Angle (degrees)
CXA1507	Φ9	15°-30°	33°-56°
CXB1507	Φ9	16°-29°	35°-55°
CXA1512	Φ9	14°-30°	31°-56°
CMA1516	Φ9	16°-29°	36°-57°
CXA1816	Φ12	19°-45°	41°-77°
CXB1816	Φ12	19°-37°	43°-72°
CXA1820	Φ12	19°-44°	41°-78°
CXB1820	Φ12	19°-44°	41°-79°
CMA1825	Φ12	18°-39°	41°-74°
CXA1830	Φ14	21°-50°	45°-87°
CXB1830	Φ14	23°-61°	51°-102°
CXA2520	Φ19	27°-48°	57°-99°
CXB2530	Φ19	26°-52°	58°-106°
CXA2540	Φ19	26°-49°	57°-104°
CXB2540	Φ19	26°-47°	60°-104°
CMA2550	Φ19	28°-49°	64°-110°

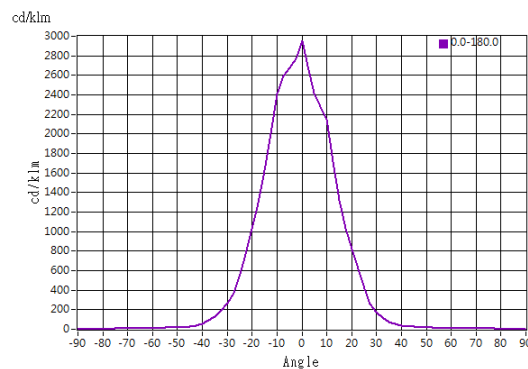
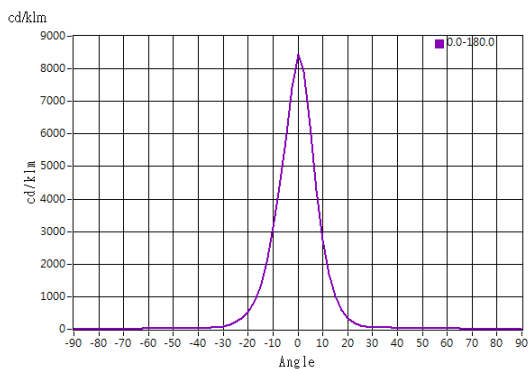


Optical Characteristics

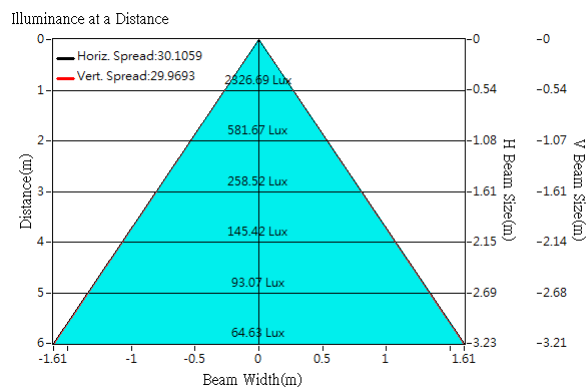
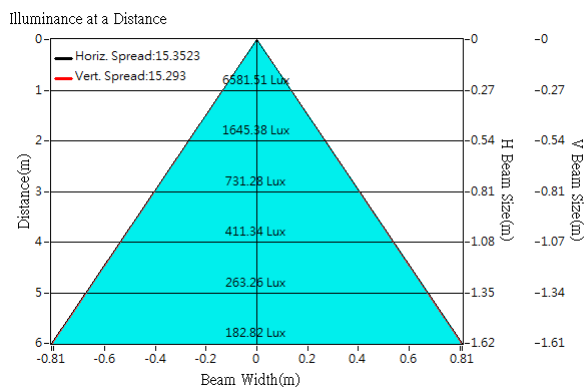
Model Number	CKO-ZU15-075017-9701
LED	CXA1507
LES / LED Size	Φ 9 mm
FWHM (D50)	15°-30°
Field Angle (D10)	33°-56°
H (distance)	4.7mm~ +1.5mm
Dimension	Φ =75 mm, Thickness=16.5 mm
Luminous Flux	780 lm ~ 786 lm (15° ~ 30°) Measured @ 7 W
Material	PC / UL94V2



cd/klm



Illuminance At Distances

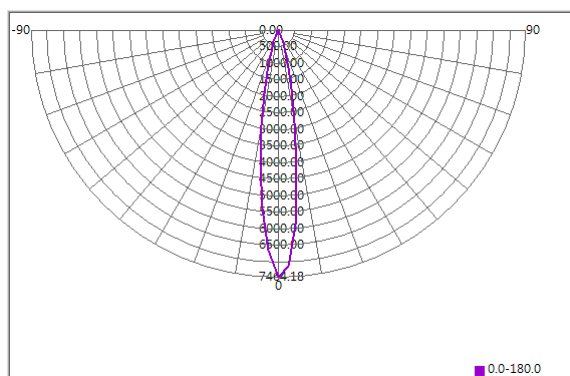




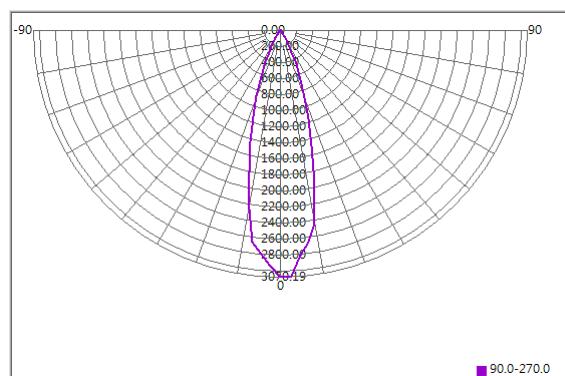
Optical Characteristics

Model Number	CKO-ZU15-075017-9701	"H" definition
LED	CXB1507	
LES / LED Size	Φ 9 mm	
FWHM (D50)	16°-29°	
Field Angle (D10)	35°-55°	
H (distance)	4.7mm~ +2.0mm	
Dimension	Φ =75 mm, Thickness=16.5 mm	
Luminous Flux	873 lm ~ 881 lm (16° ~ 29°) Measured @ 7 W	
Material	PC / UL94V2	

cd/klm

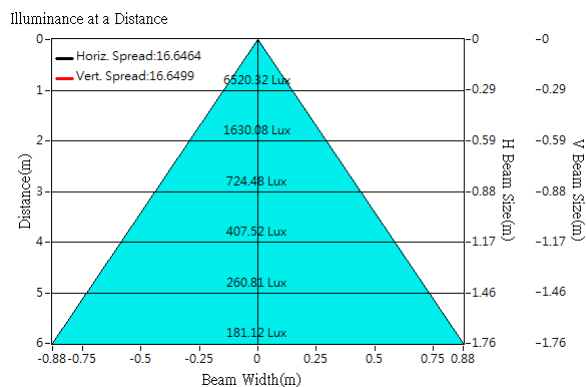


H: 4.7 mm

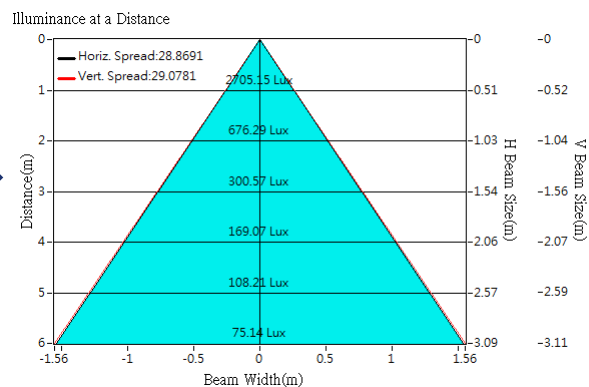


H: +2.0 mm

Illuminance At Distances



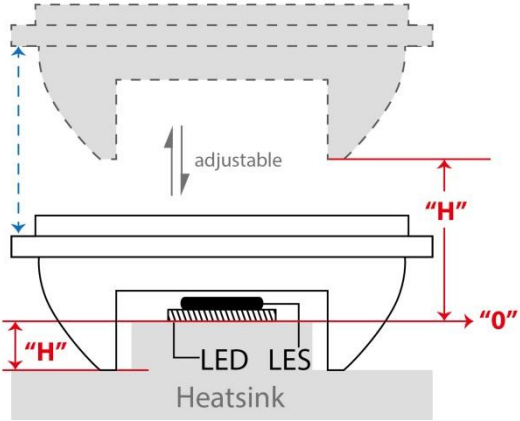
H: 4.7 mm



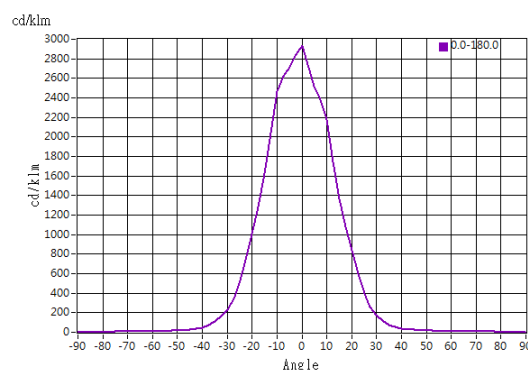
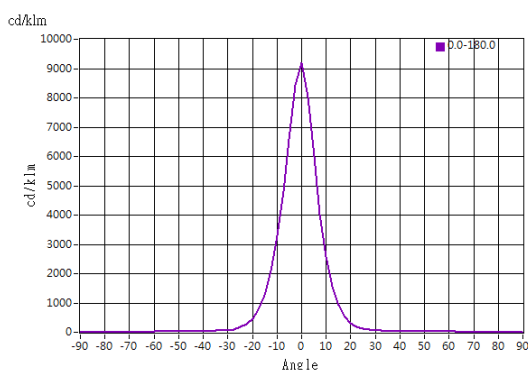
H: +2.0 mm



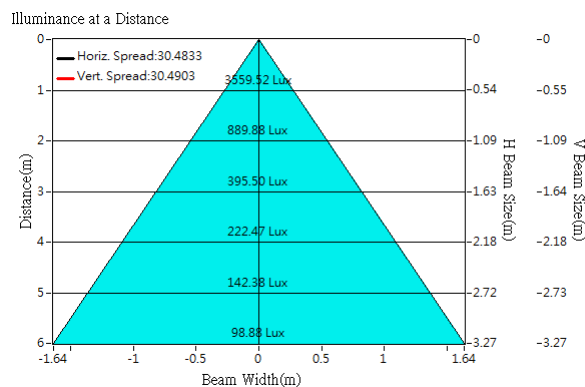
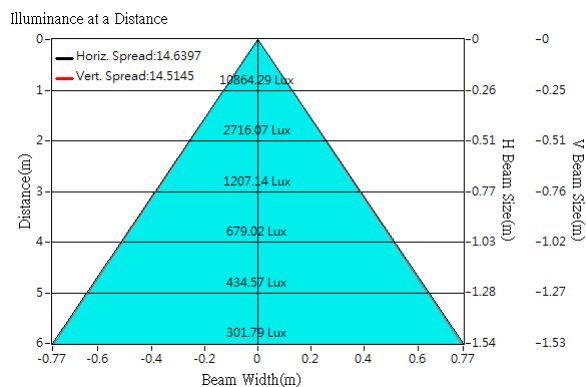
Optical Characteristics

Model Number	CKO-ZU15-075017-9701	"H" definition 
LED	CXA1512	
LES / LED Size	Φ 9 mm	
FWHM (D50)	14°-30°	
Field Angle (D10)	31°-56°	
H (distance)	6.5mm~ +2.0mm	
Dimension	Φ =75 mm, Thickness=16.5 mm	
Luminous Flux	1182 lm ~ 1213 lm (14° ~ 30°) Measured @ 13.6 W	
Material	PC / UL94V2	

cd/klm

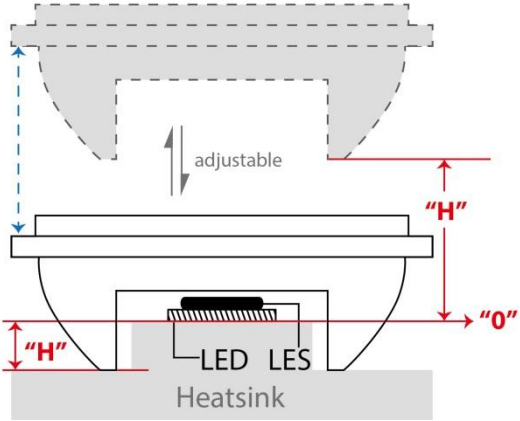


Illuminance At Distances

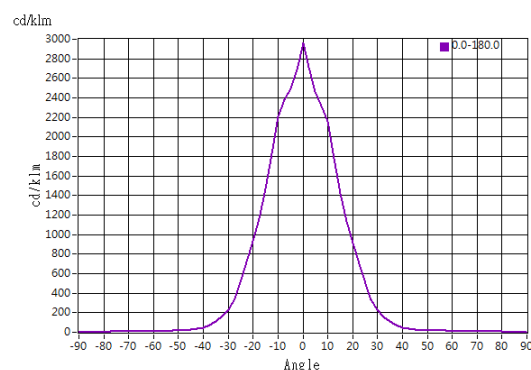
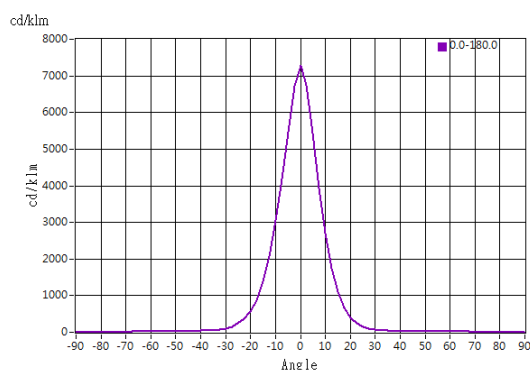




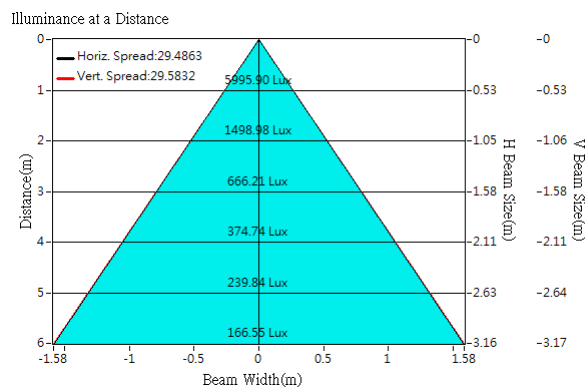
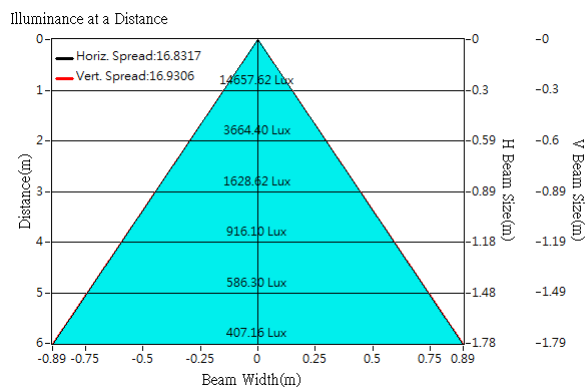
Optical Characteristics

Model Number	CKO-ZU15-075017-9701	"H" definition
LED	CMA1516	
LES / LED Size	Φ 9 mm	
FWHM (D50)	16°-29°	
Field Angle (D10)	36°-57°	
H (distance)	4.7mm~ +1.0mm	
Dimension	Φ =75 mm, Thickness=16.5 mm	
Luminous Flux	2015 lm ~ 2024 lm (16° ~ 29°) Measured @ 16 W	
Material	PC / UL94V2	

cd/klm

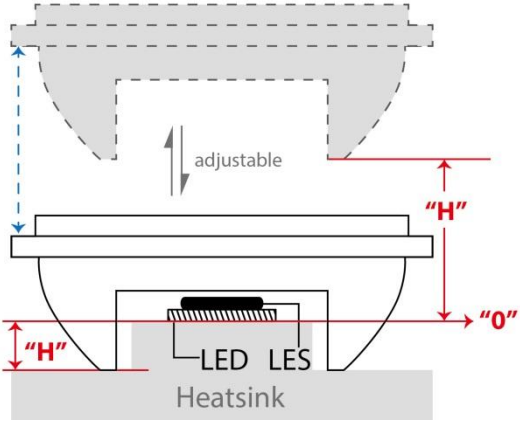


Illuminance At Distances

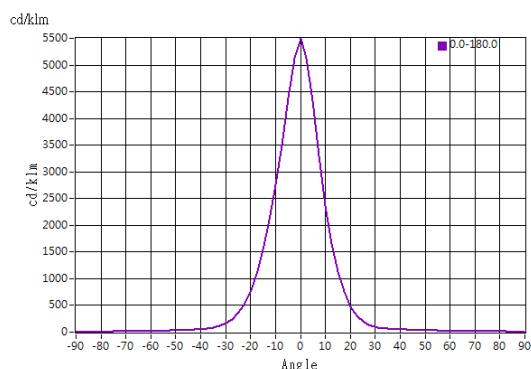




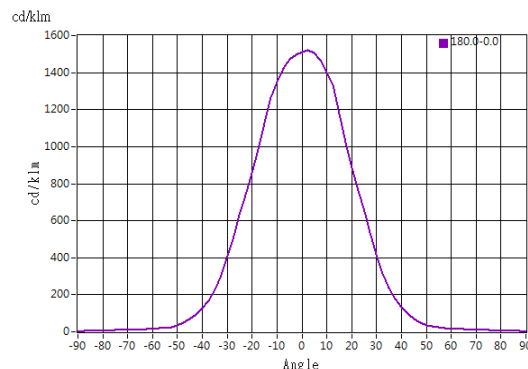
Optical Characteristics

Model Number	CKO-ZU15-075017-9701	"H" definition
LED	CXA1816	
LES / LED Size	Φ 12 mm	
FWHM (D50)	19°-45°	
Field Angle (D10)	41°-77°	
H (distance)	5.5mm~ 0mm	
Dimension	Φ =75 mm, Thickness=16.5 mm	
Luminous Flux	1715 lm ~ 1681 lm (19° ~ 45°) Measured @ 16.9 W	
Material	PC / UL94V2	

cd/klm

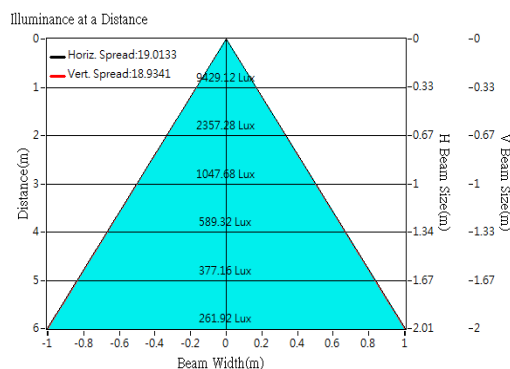


H: 5.5 mm

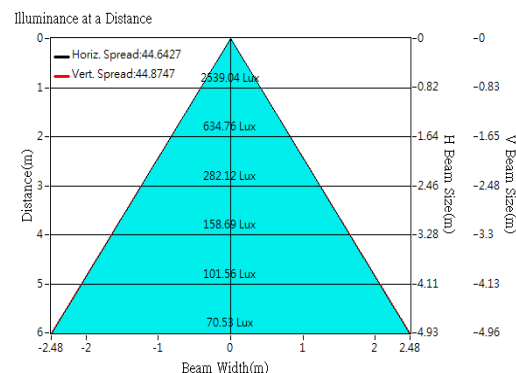


H: 0 mm

Illuminance At Distances



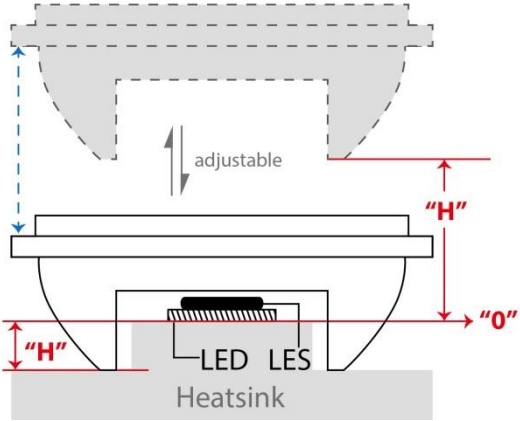
H: 5.5 mm



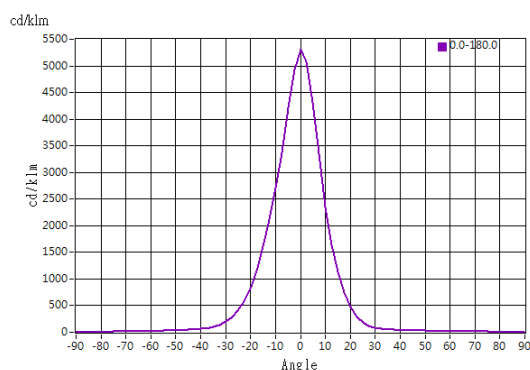
H: 0 mm



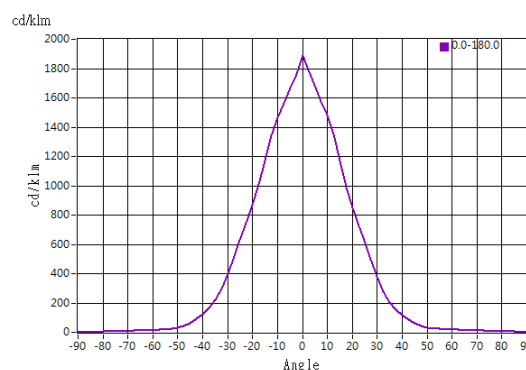
Optical Characteristics

Model Number	CKO-ZU15-075017-9701	"H" definition
LED	CXB1816	
LES / LED Size	Φ 12 mm	
FWHM (D50)	19°-37°	
Field Angle (D10)	43°-72°	
H (distance)	4.7mm~ +0.5mm	
Dimension	Φ =75 mm, Thickness=16.5 mm	
Luminous Flux	1952 lm ~ 1909 lm (19° ~ 37°) Measured @ 16 W	
Material	PC / UL94V2	

cd/klm

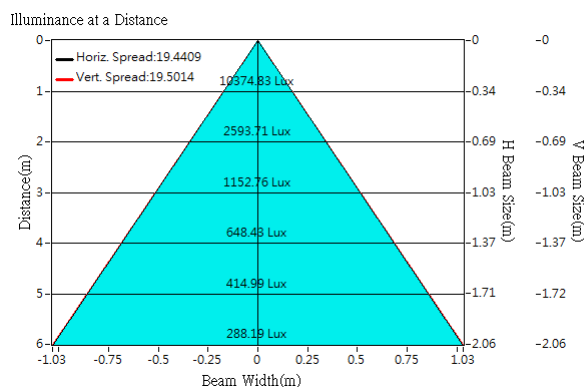


H: 4.7 mm

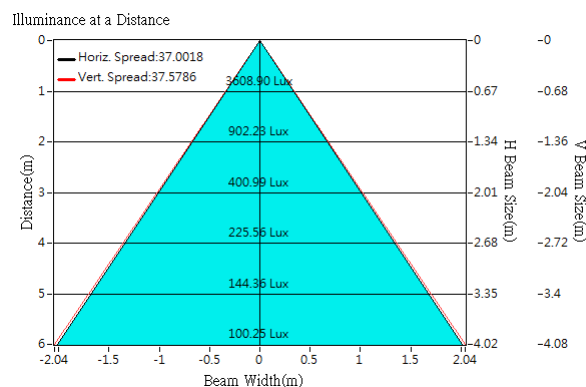


H: +0.5 mm

Illuminance At Distances



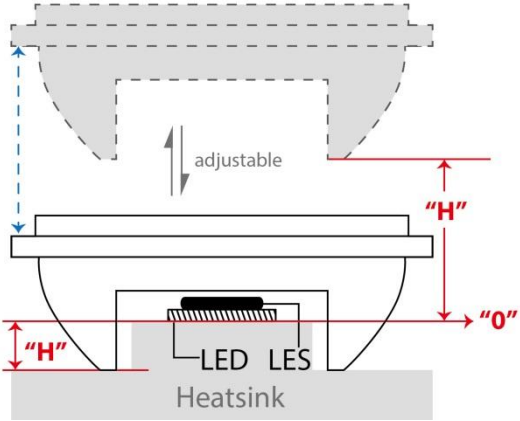
H: 4.7 mm



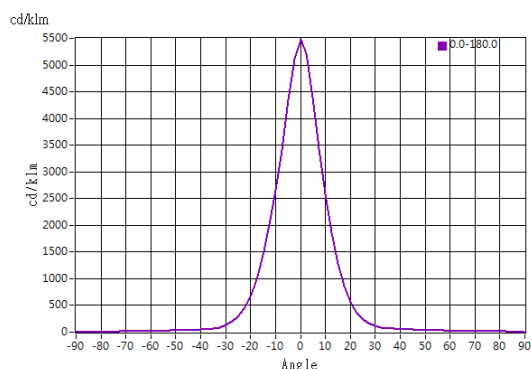
H: +0.5 mm



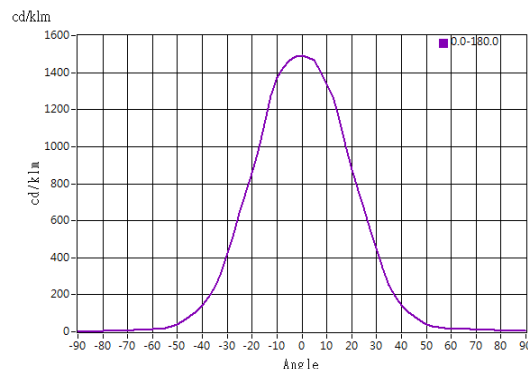
Optical Characteristics

Model Number	CKO-ZU15-075017-9701	"H" definition 
LED	CXA1820	
LES / LED Size	Φ 12 mm	
FWHM (D50)	19°-44°	
Field Angle (D10)	41°-78°	
H (distance)	5.0mm~0.5mm	
Dimension	Φ =75 mm, Thickness=16.5 mm	
Luminous Flux	2043 lm ~ 2100 lm (19° ~ 44°) Measured @ 20.3 W	
Material	PC / UL94V2	

cd/klm

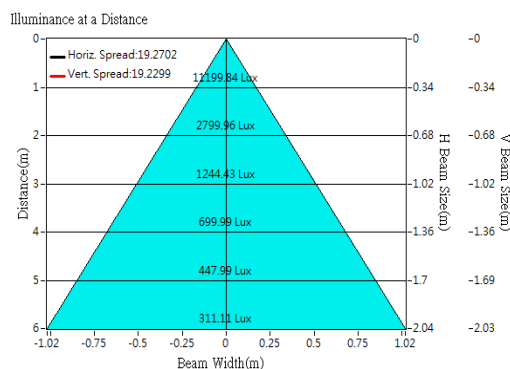


H: 5.0 mm

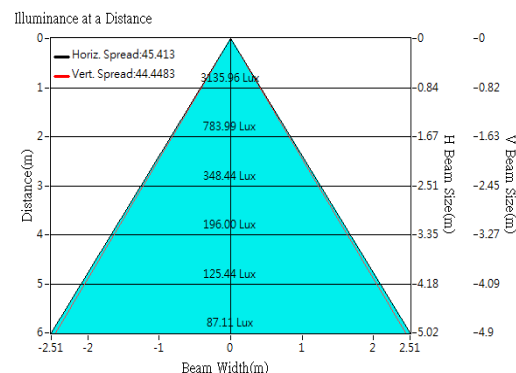


H: -0.5 mm

Illuminance At Distances



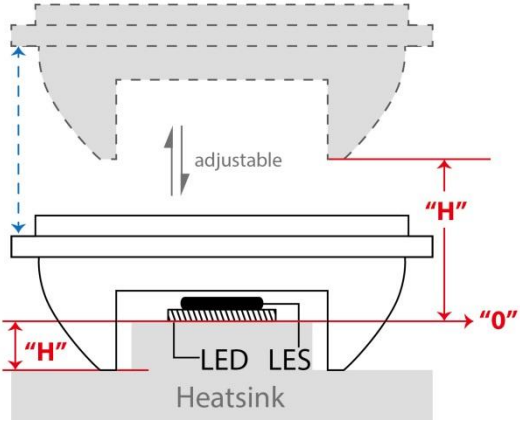
H: 5.0 mm



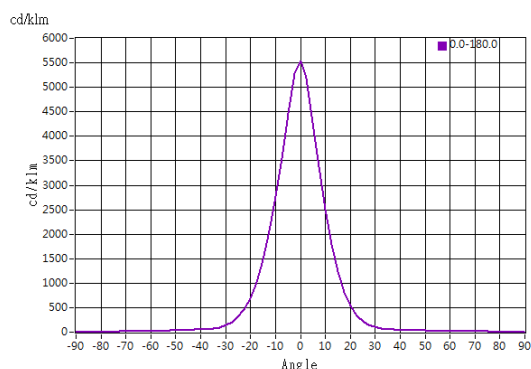
H: -0.5 mm



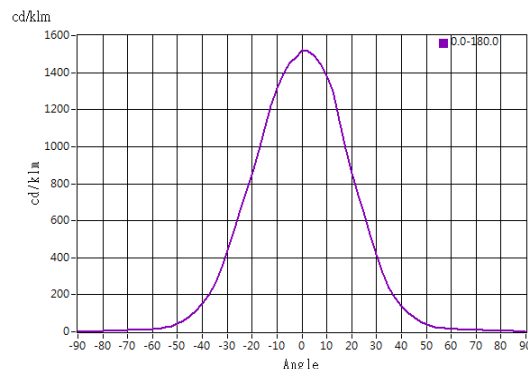
Optical Characteristics

Model Number	CKO-ZU15-075017-9701	"H" definition 
LED	CXB1820	
LES / LED Size	Φ 12 mm	
FWHM (D50)	19°-44°	
Field Angle (D10)	41°-79°	
H (distance)	5mm~0mm	
Dimension	Φ =75 mm, Thickness=16.5 mm	
Luminous Flux	2415 lm ~ 2315 lm (19° ~ 44°) Measured @ 19.6 W	
Material	PC / UL94V2	

cd/klm

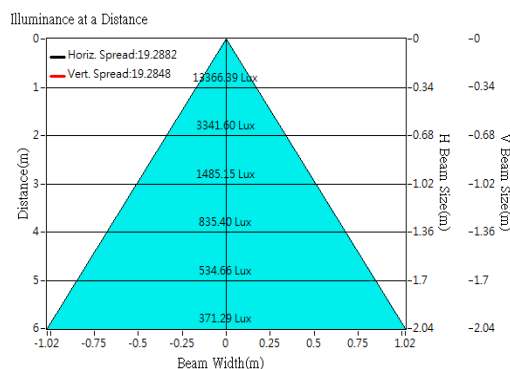


H: 5.0 mm

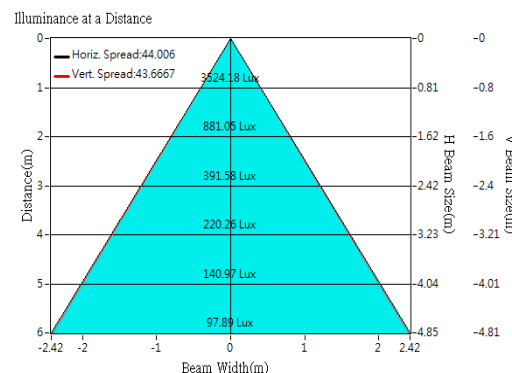


H: 0 mm

Illuminance At Distances



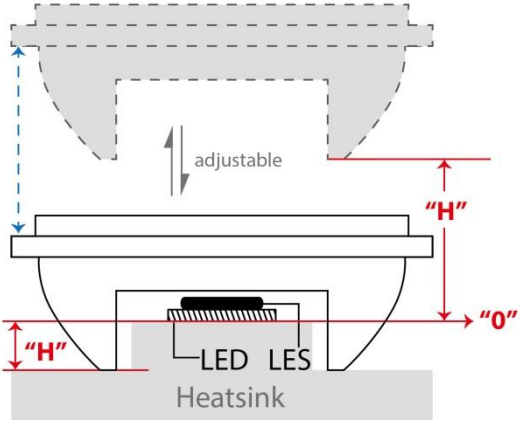
H: 5.0 mm



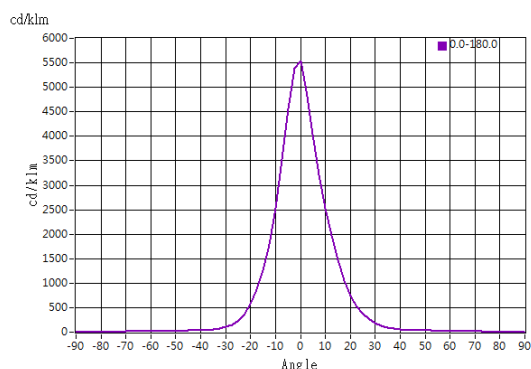
H: 0 mm



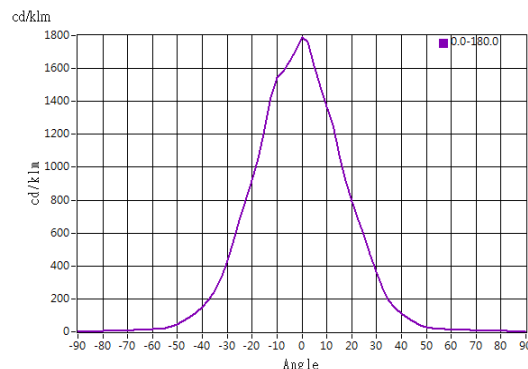
Optical Characteristics

Model Number	CKO-ZU15-075017-9701	"H" definition 
LED	CMA1825	
LES / LED Size	Φ 12 mm	
FWHM (D50)	18°-39°	
Field Angle (D10)	42°-74°	
H (distance)	4.5mm~0mm	
Dimension	Φ =75 mm, Thickness=16.5 mm	
Luminous Flux	2223 lm ~ 2252 lm (18° ~ 39°) Measured @ 15.2 W	
Material	PC / UL94V2	

cd/klm

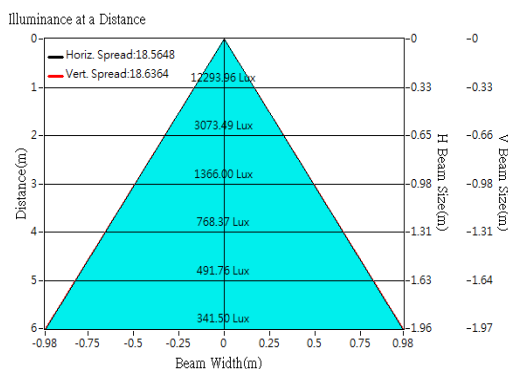


H: 4.5 mm

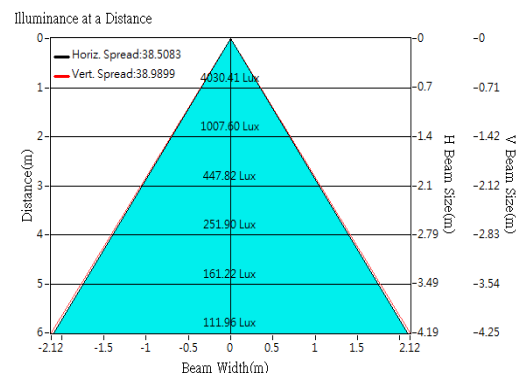


H: 0 mm

Illuminance At Distances



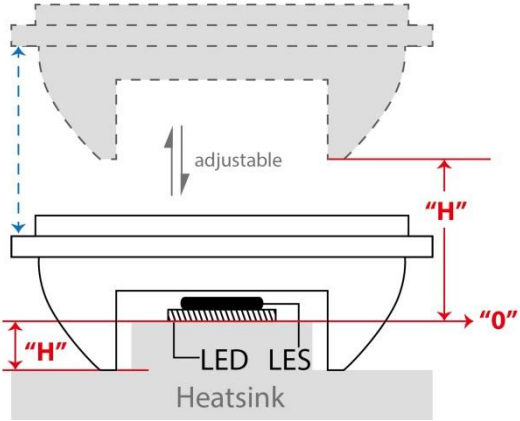
H: 4.5 mm



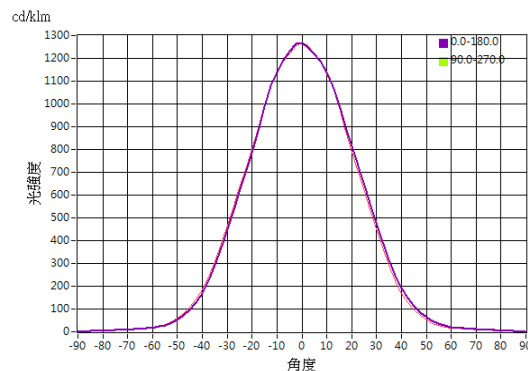
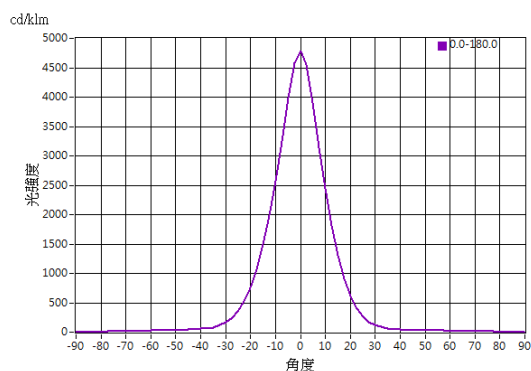
H: 0 mm



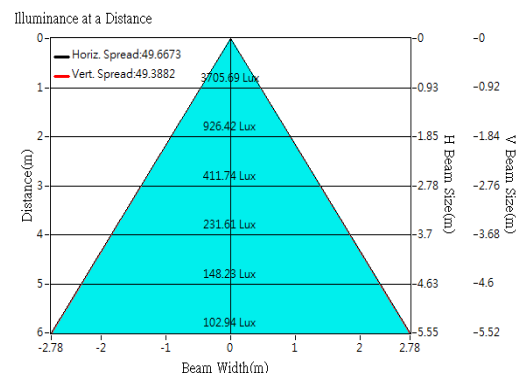
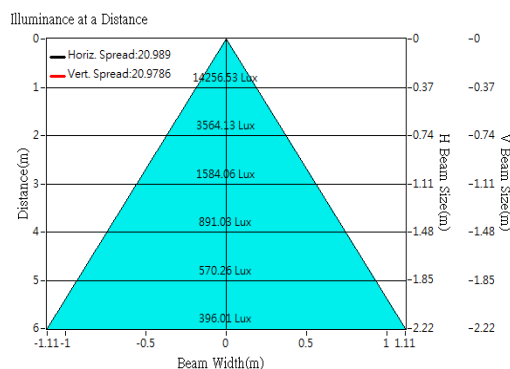
Optical Characteristics

Model Number	CKO-ZU15-075017-9701	"H" definition 
LED	CXA1830	
LES / LED Size	Φ 14 mm	
FWHM (D50)	21°-50°	
Field Angle (D10)	45°-87°	
H (distance)	5mm~1.3mm	
Dimension	Φ =75 mm, Thickness=16.5 mm	
Luminous Flux	2980 lm ~ 2921 lm (21° ~ 50°) Measured @ 29.3 W	
Material	PC / UL94V2	

cd/klm

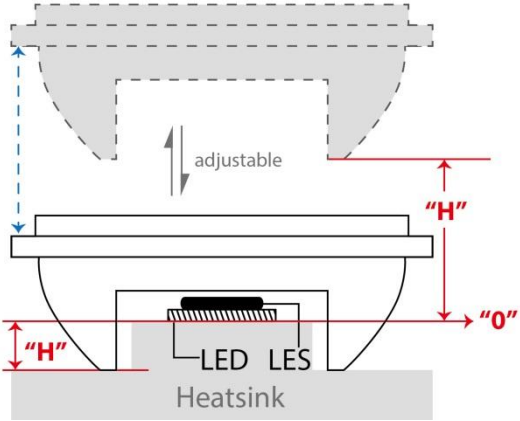


Illuminance At Distances

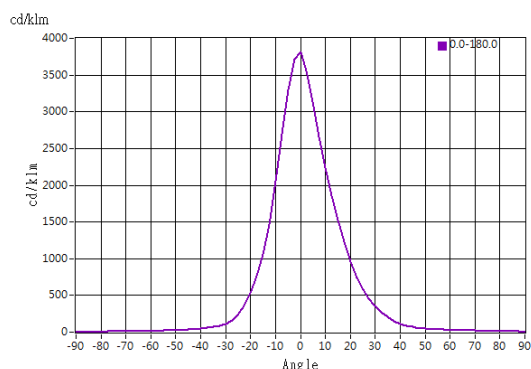




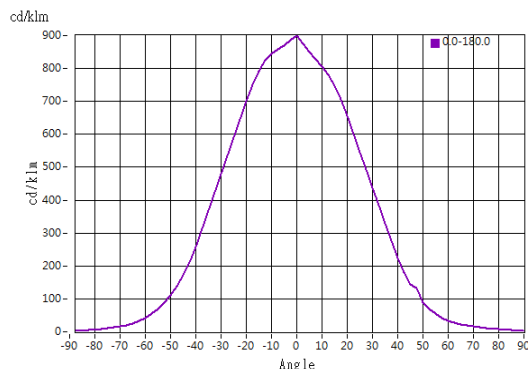
Optical Characteristics

Model Number	CKO-ZU15-075017-9701	"H" definition
LED	CXB1830	
LES / LED Size	Φ 14 mm	
FWHM (D50)	23°-61°	
Field Angle (D10)	51°-102°	
H (distance)	5mm~2.25mm	
Dimension	Φ =75 mm, Thickness=16.5 mm	
Luminous Flux	3531 lm ~ 3639 lm (23° ~ 61°) Measured @ 28.4 W	
Material	PC / UL94V2	

cd/klm

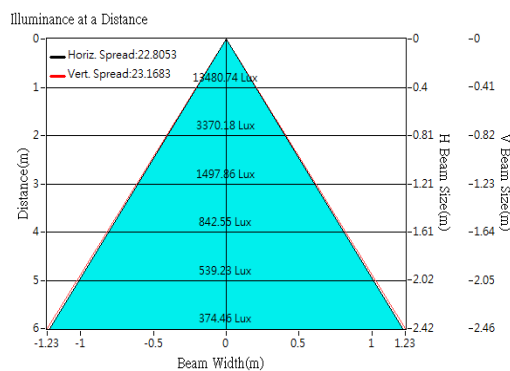


H: 5.0 mm

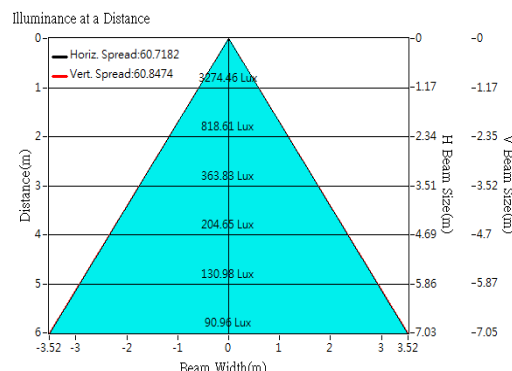


H: -2.25 mm

Illuminance At Distances



H: 5.0 mm

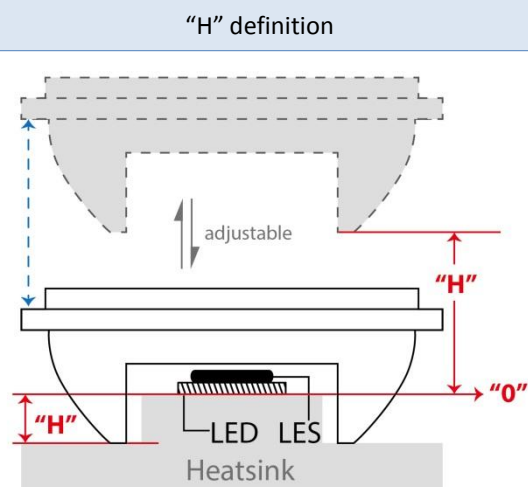


H: -2.25 mm

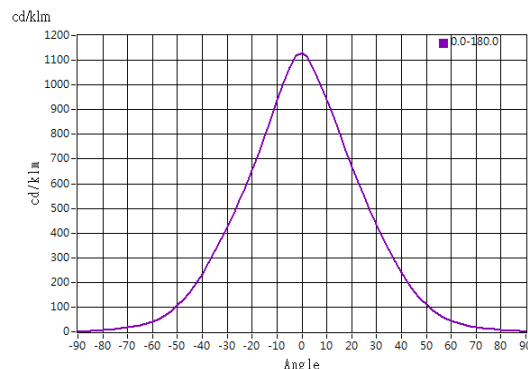
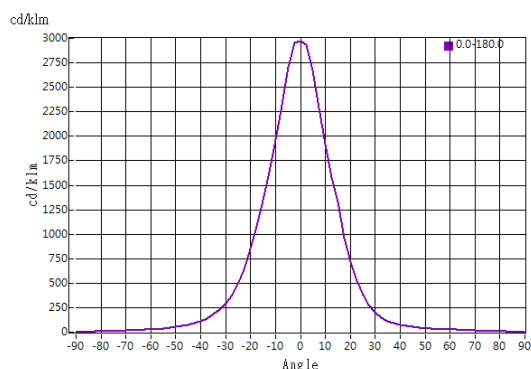


Optical Characteristics

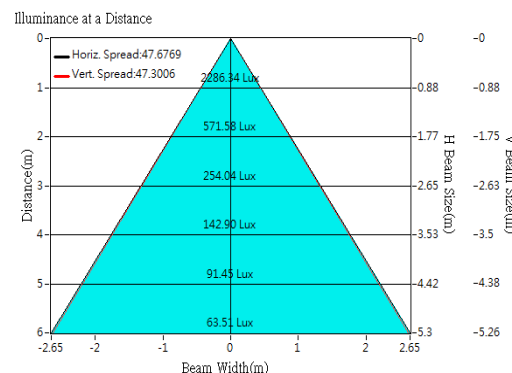
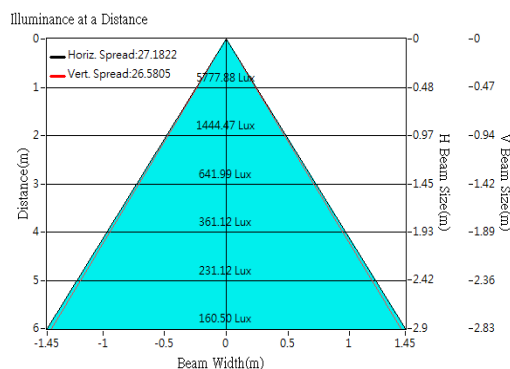
Model Number	CKO-ZU15-075017-9701
LED	CXA2520
LES / LED Size	Φ 19 mm
FWHM (D50)	27°-48°
Field Angle (D10)	57°-99°
H (distance)	9mm~1.3mm
Dimension	Φ =75 mm, Thickness=16.5 mm
Luminous Flux	1942 lm ~ 2023 lm (27° ~ 48°) Measured @ 20.3 W
Material	PC / UL94V2



cd/klm

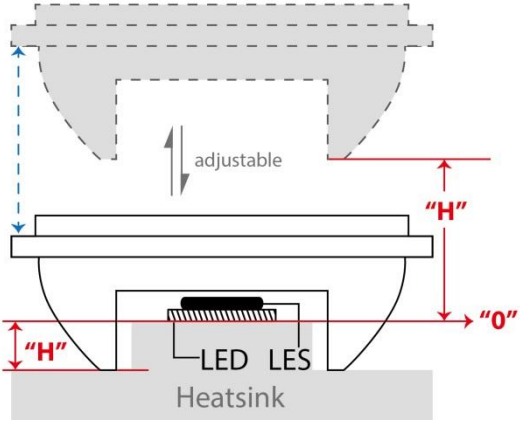


Illuminance At Distances

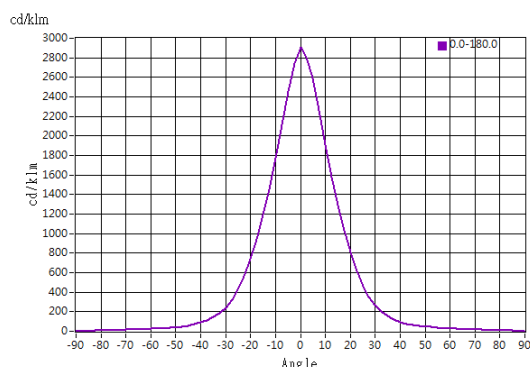




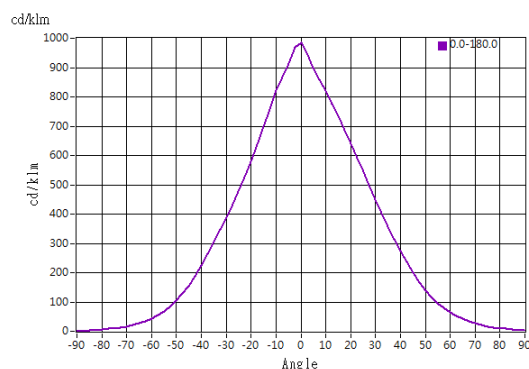
Optical Characteristics

Model Number	CKO-ZU15-075017-9701	"H" definition
LED	CXB2530	
LES / LED Size	Φ 19 mm	
FWHM (D50)	26°-52°	
Field Angle (D10)	58°-106°	
H (distance)	4.5mm~1.8mm	
Dimension	Φ =75 mm, Thickness=16.5 mm	
Luminous Flux	3448 lm ~ 3477 lm (26°-52°) Measured @ 29 W	
Material	PC / UL94V2	

cd/klm

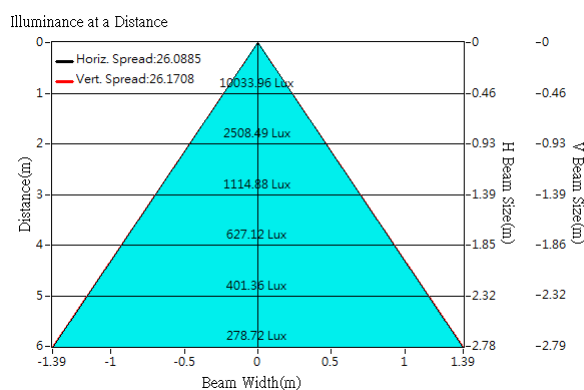


H: 4.5 mm

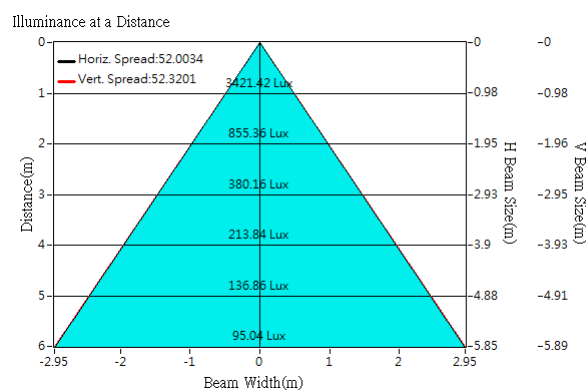


H: -1.8 mm

Illuminance At Distances



H: 4.5 mm

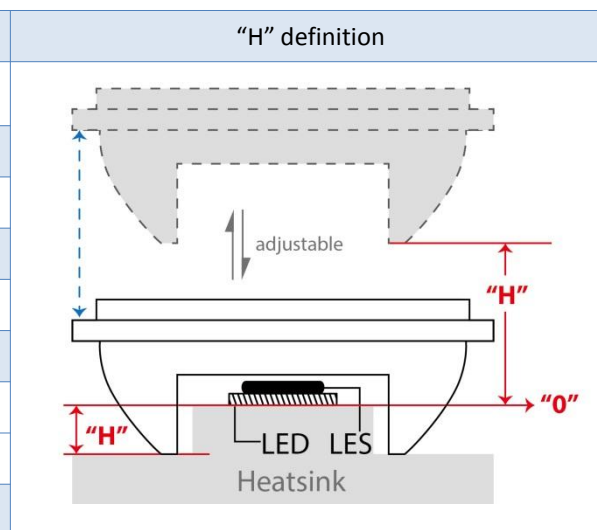


H: -1.8 mm

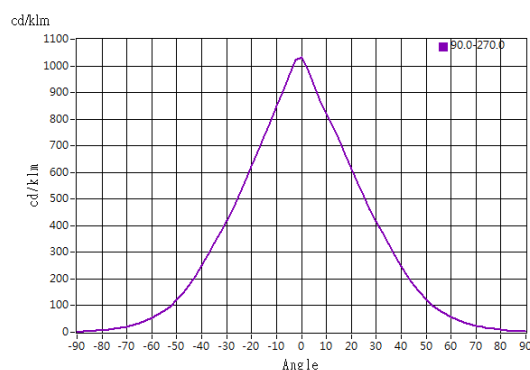
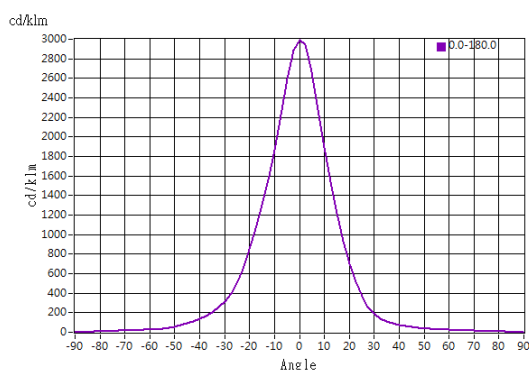


Optical Characteristics

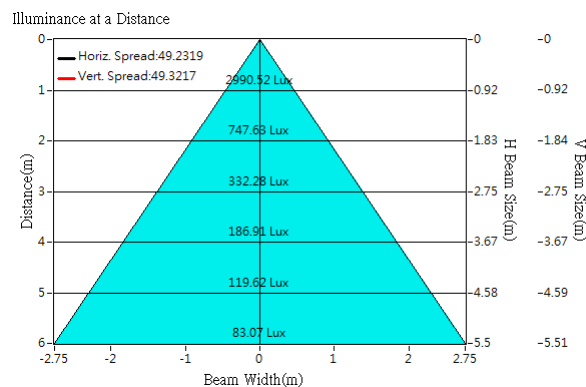
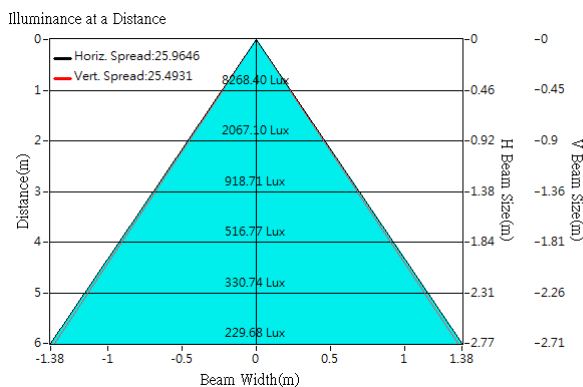
Model Number	CKO-ZU15-075017-9701
LED	CXA2540
LES / LED Size	Φ 19 mm
FWHM (D50)	26°-49°
Field Angle (D10)	57°-104°
H (distance)	5mm~1.8mm
Dimension	Φ =75 mm, Thickness=16.5 mm
Luminous Flux	2762 lm ~ 2892 lm (26°-49°) Measured @ 28 W
Material	PC / UL94V2



cd/klm



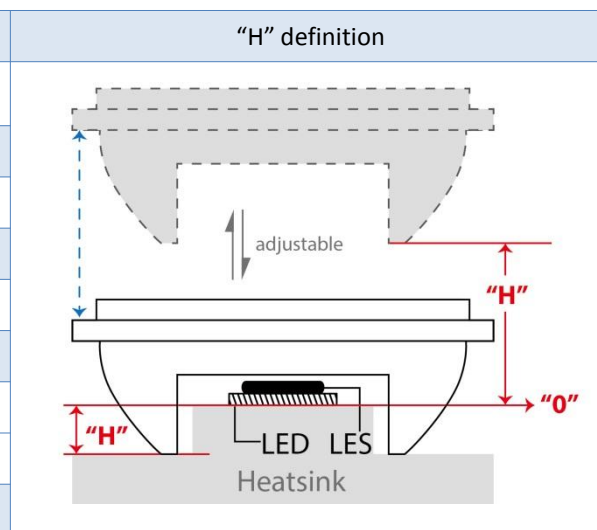
Illuminance At Distances



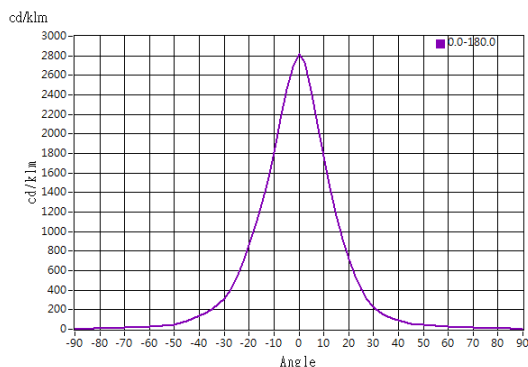


Optical Characteristics

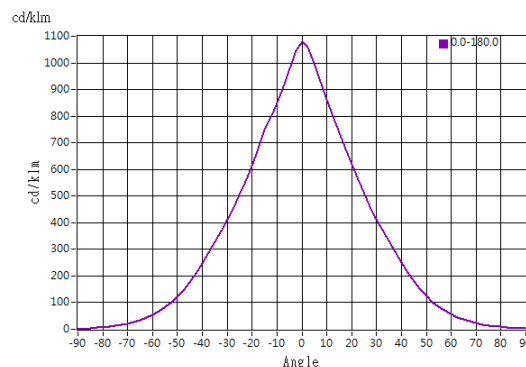
Model Number	CKO-ZU15-075017-9701
LED	CXB2540
LES / LED Size	Φ 19 mm
FWHM (D50)	26°-47°
Field Angle (D10)	60°-104°
H (distance)	4mm~1.8mm
Dimension	Φ =75 mm, Thickness=16.5 mm
Luminous Flux	4522 lm ~ 4660 lm (26°-47°) Measured @ 40 W
Material	PC / UL94V2



cd/klm

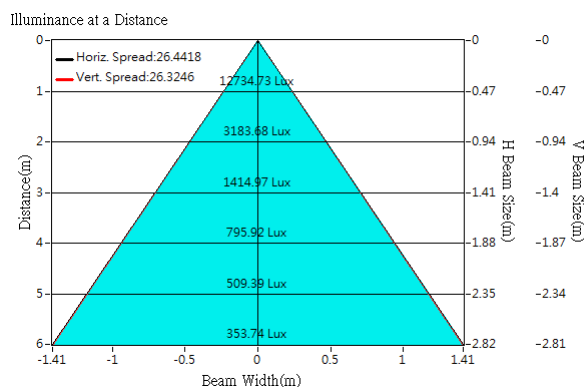


H: 4 mm

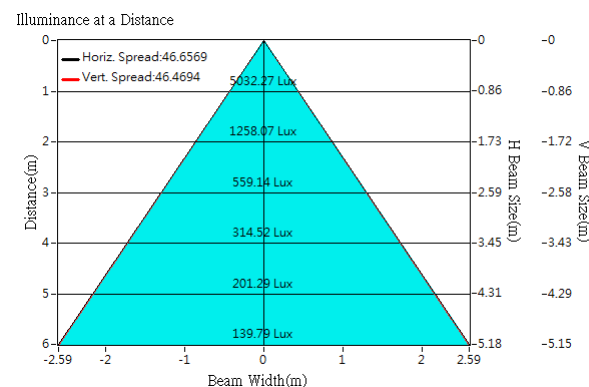


H: -1.8 mm

Illuminance At Distances



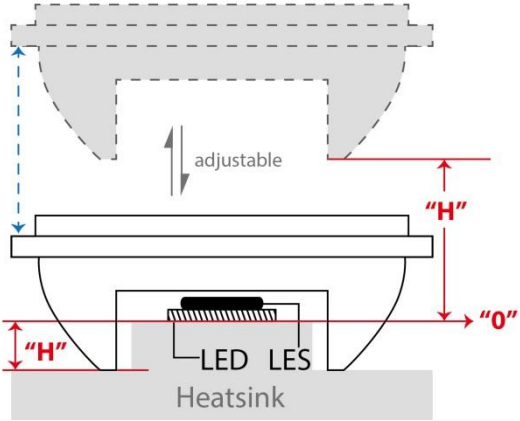
H: 4 mm



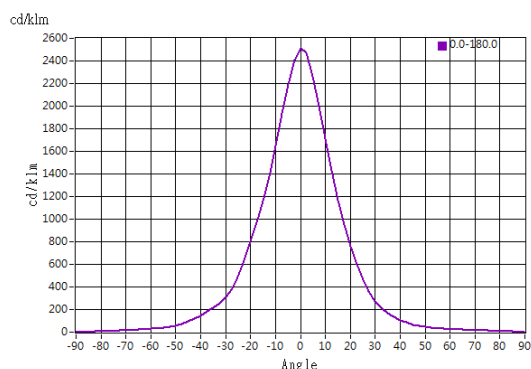
H: -1.8 mm



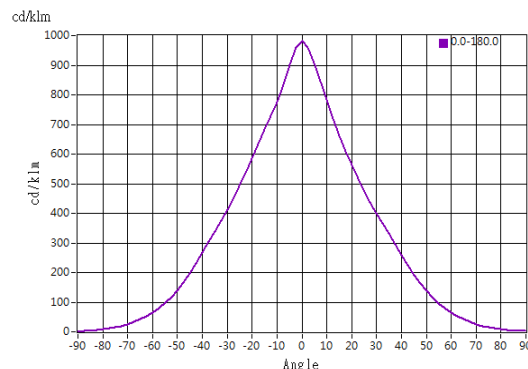
Optical Characteristics

Model Number	CKO-ZU15-075017-9701	"H" definition
LED	CMA2550	
LES / LED Size	Φ 19 mm	
FWHM (D50)	28°-49°	
Field Angle (D10)	64°-110°	
H (distance)	3.7mm~1.8mm	
Dimension	Φ =75 mm, Thickness=16.5 mm	
Luminous Flux	5911 lm ~ 6077 lm (28° ~ 49°) Measured @ 43 W	
Material	PC / UL94V2	

cd/klm

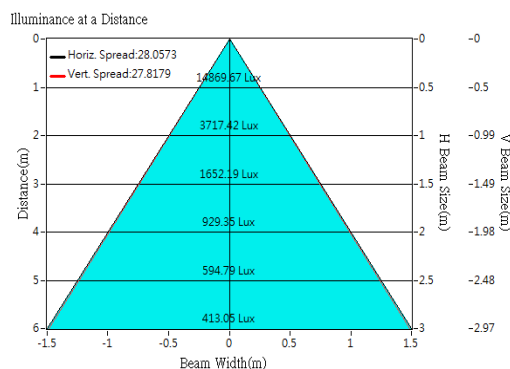


H: 3.7 mm

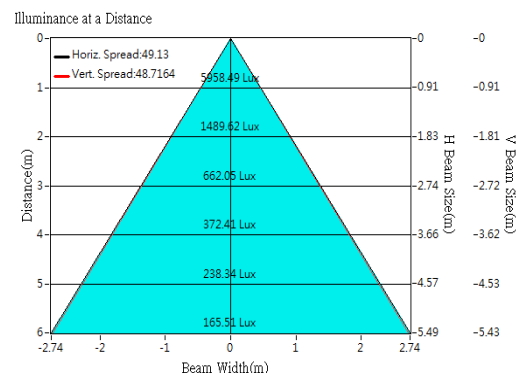


H: -1.8 mm

Illuminance At Distances



H: 3.7 mm



H: -1.8 mm