



Product Model Number

CKO-ZU15-060013-9401

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

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(A)

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(B)

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(C)

↑
(D)

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(E)

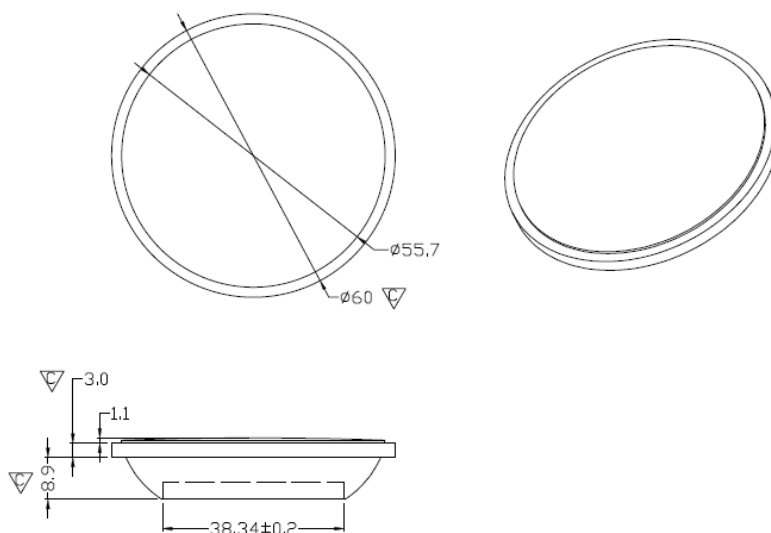


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
ZU→Multi-Angle Zooming Lens
HC→Holder for CoB LED

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

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

✓ Dimensions (mm) : Φ60 x 13



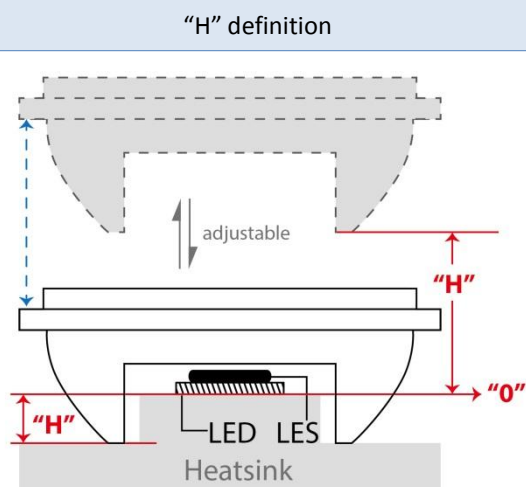
△:Critical Dimension

[illegible]

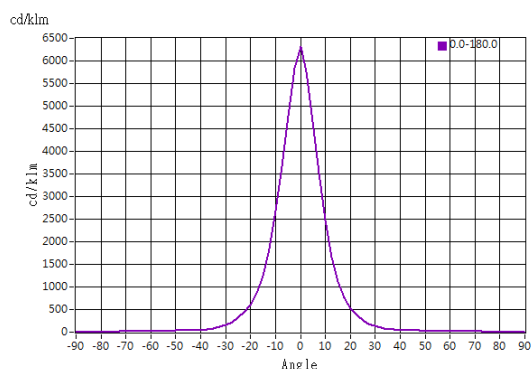


Optical Characteristics

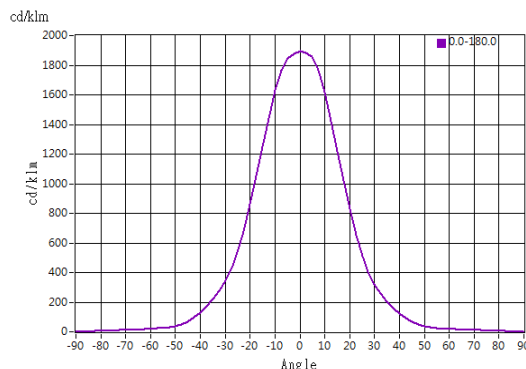
Model Number	CKO-ZU15-060013-9401
LED	Fortimo SLM 1202 L06 G6
LES / LED Size	Φ 6.5 mm
FWHM (D50)	17°-37°
Field Angle (D10)	39°-73°
H (distance)	2.0mm~1.3mm
Dimension	Φ =60 mm, Thickness=13 mm
Luminous Flux	762 lm ~ 959 lm (17° ~ 37°) Measured @ 7.0 W
Material	PC / UL94V2



cd/klm

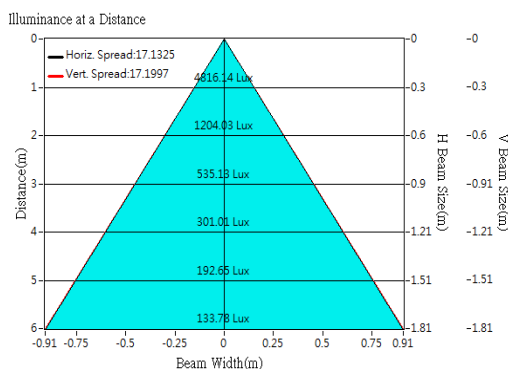


H: 2.0 mm

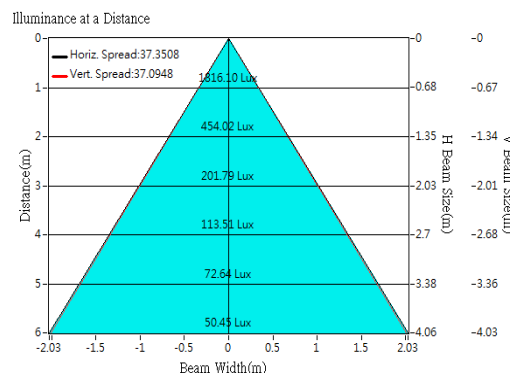


H: -1.3 mm

Illuminance At Distances



H: 2.0 mm

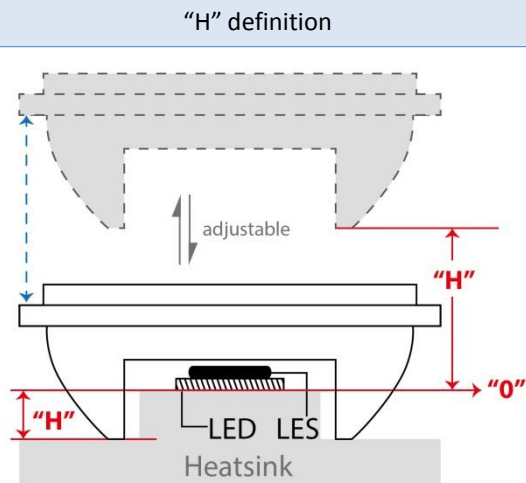


H: -1.3 mm

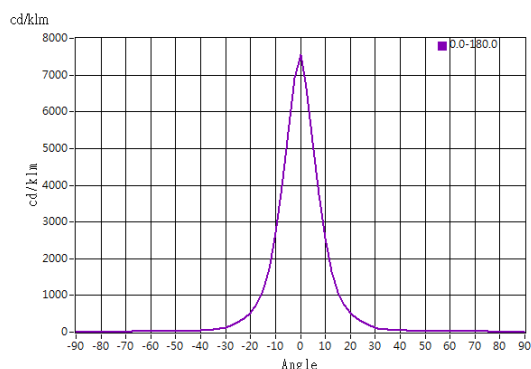


Optical Characteristics

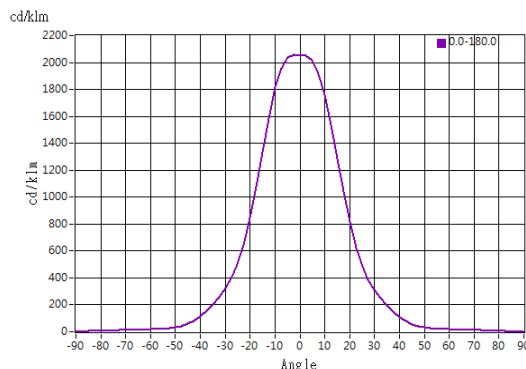
Model Number	CKO-ZU15-060013-9401
LED	Fortimo SLM 1202 L06 G7
LES / LED Size	Φ 6.5 mm
FWHM (D50)	15°-36°
Field Angle (D10)	35°-69°
H (distance)	2.0mm~1.0mm
Dimension	Φ =60 mm, Thickness=13 mm
Luminous Flux	1438 lm ~ 1442 lm (15° ~ 36°) Measured @ 13.3 W
Material	PC / UL94V2



cd/klm

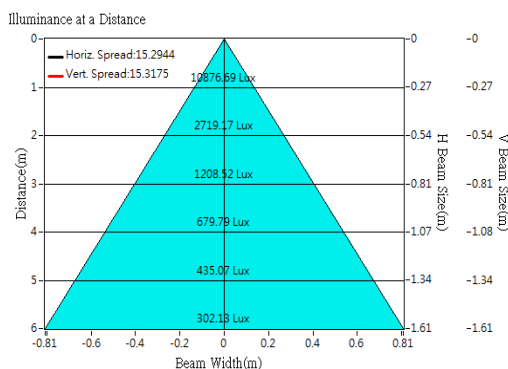


H: 2.0mm

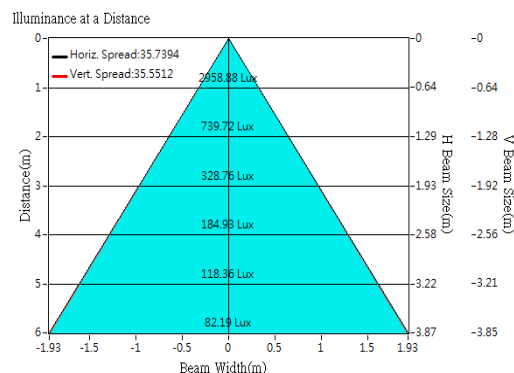


H: -1.0 mm

Illuminance At Distances



H: 2.0 mm

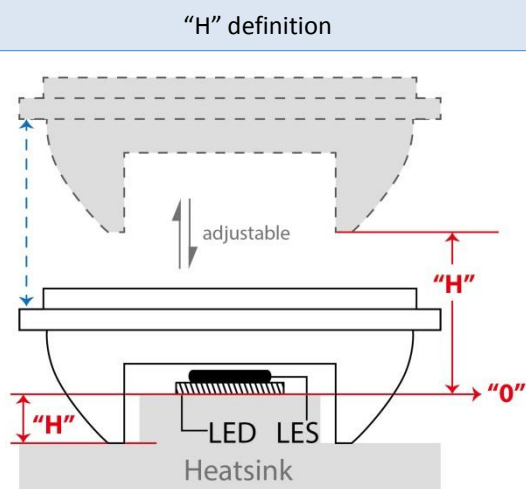


H: -1.0 mm

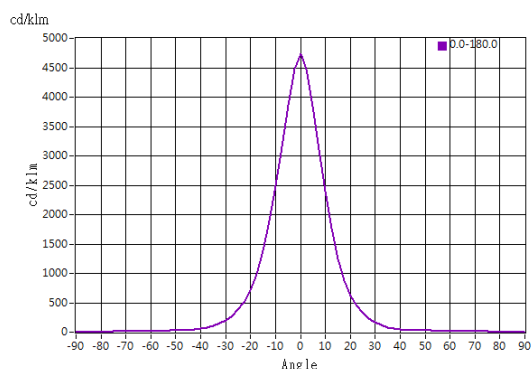


Optical Characteristics

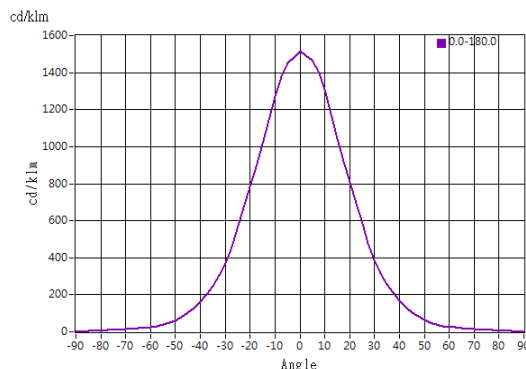
Model Number	CKO-ZU15-060013-9401
LED	Fortimo SLM 1203 L09 G6
LES / LED Size	Φ 9 mm
FWHM (D50)	21°-41°
Field Angle (D10)	45°-82°
H (distance)	2.0mm~1.8mm
Dimension	Φ =60 mm, Thickness=13 mm
Luminous Flux	1359 lm ~ 1354 lm (21° ~ 41°) Measured @ 10.4 W
Material	PC / UL94V2



cd/klm

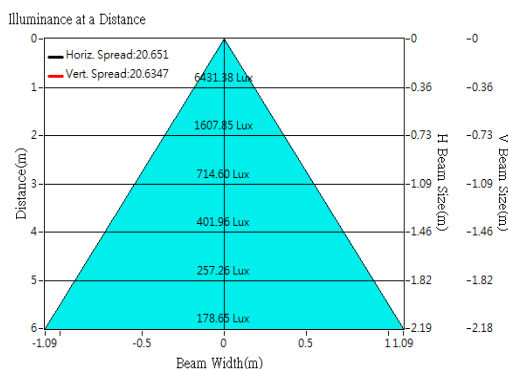


H: 2.0 mm

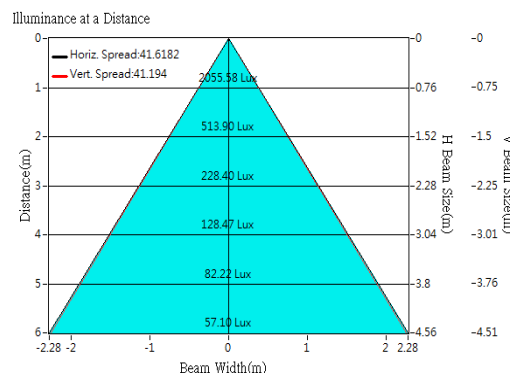


H: -1.8 mm

Illuminance At Distances



H: 2.0 mm

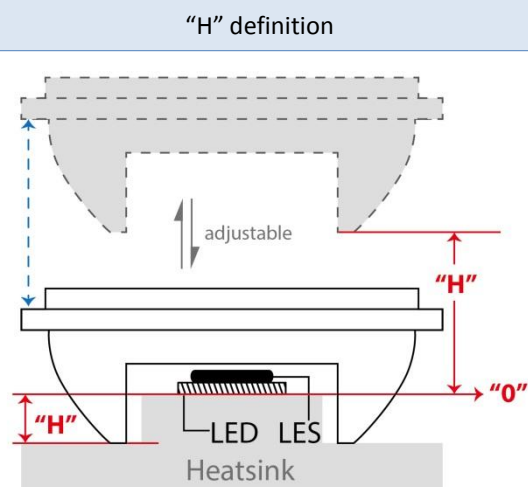


H: -1.8 mm

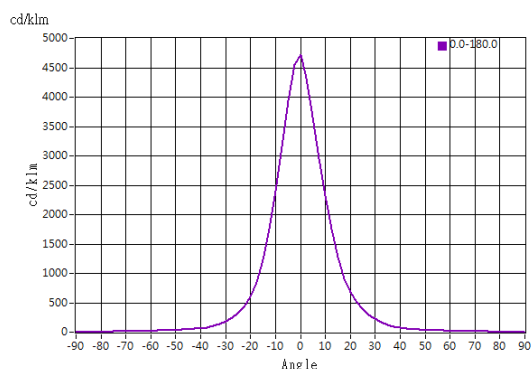


Optical Characteristics

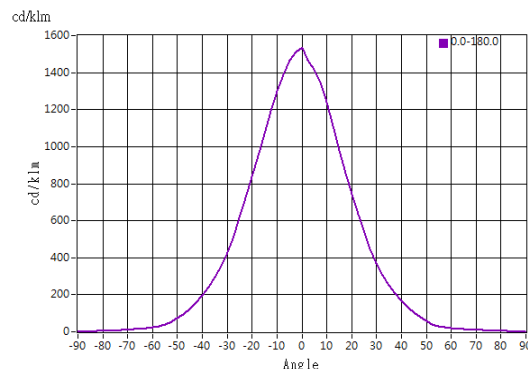
Model Number	CKO-ZU15-060013-9401
LED	Fortimo SLM 1204 L09 G7
LES / LED Size	Φ 9 mm
FWHM (D50)	20°-40°
Field Angle (D10)	45°-83°
H (distance)	2.0mm~1.8mm
Dimension	Φ =60 mm, Thickness=13 mm
Luminous Flux	2506 lm ~ 2499lm (20° ~ 40°) Measured @ 21.6 W
Material	PC / UL94V2



cd/klm

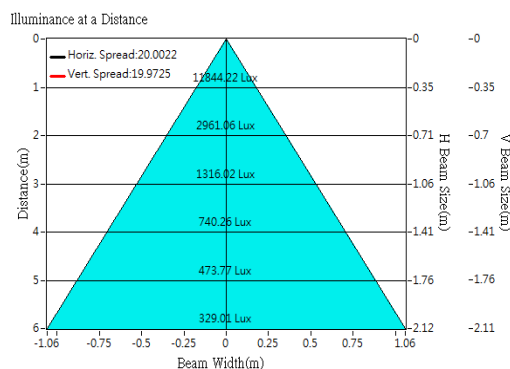


H: 2.0 mm

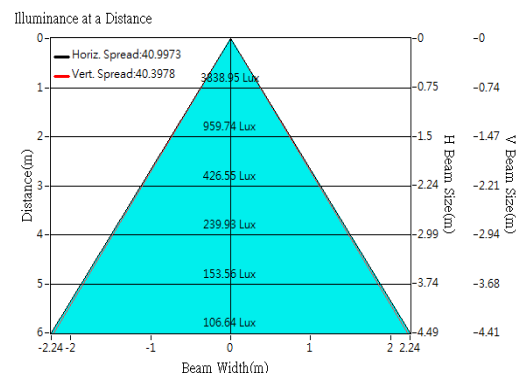


H: -1.8 mm

Illuminance At Distances



H: 2.0mm



H: -1.8 mm