



Product Model Number

CKO-CS17-045021-1305

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

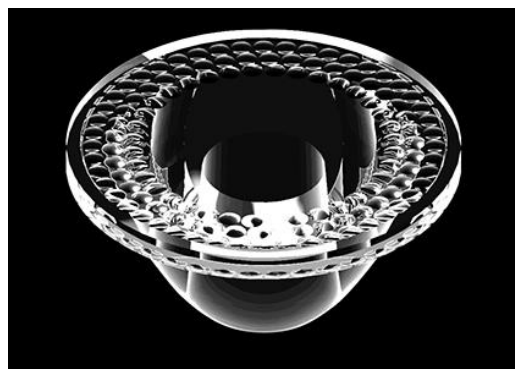
(A)

(B)

(C)

(D)

(E)

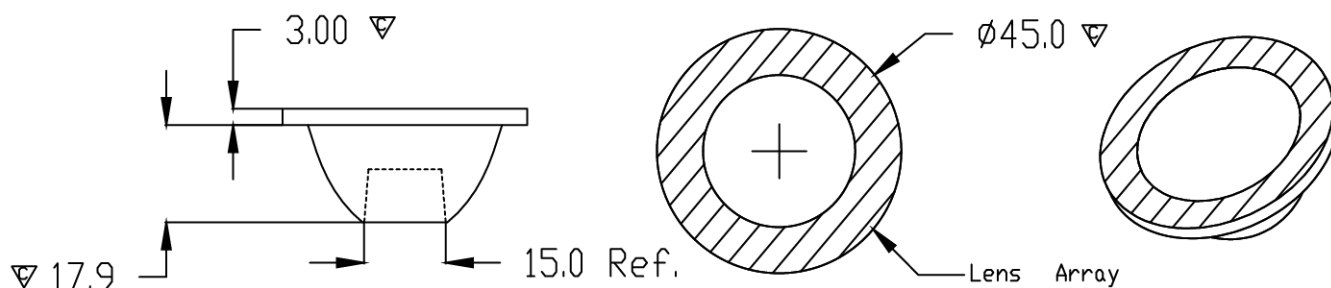


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

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

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

✓ Dimensions (mm) : Φ45 x 20.9



▽:Critical Dimension

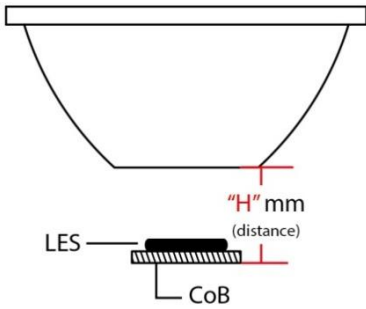


✓ **Optical Characteristics – Angle Performances**

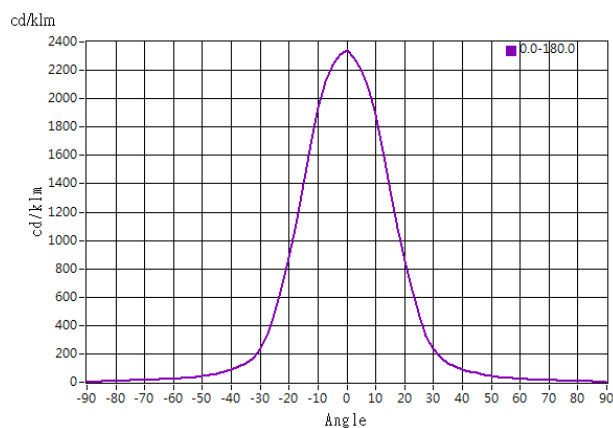
Philips	LED LES (mm)	FWHM (degrees)	Field Angle (degrees)
Fortimo SLM 1202 L06 G7	Φ6.5	33°	60°
Fortimo SLM 1202 L06 G6	Φ6.5	33°	58°
Fortimo SLM 1203 L09 G6	Φ9	38°	64°
Fortimo SLM 1203 L09 G6_DL	Φ9	36°	68°
Fortimo SLM 1203 L09 G6_PI	Φ9	36°	68°
Fortimo SLM PW 1204 L09 G7	Φ9	39°	67°
Fortimo SLM 1201 L09 G7N	Φ9.8	39°	68°
Fortimo SLM 1202 L09 G7N	Φ9.8	40°	70°
Fortimo SLM 1203 L09 G7N	Φ9.8	41°	70°
Fortimo SLM 1204 L09 G7N	Φ9.8	39°	69°



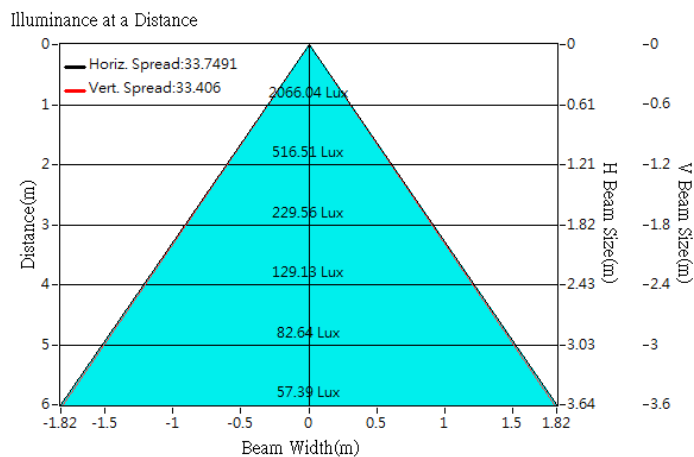
Optical Characteristics

Model Number	CKO-CS17-045021-1305		
LED	Fortimo SLM 1202 L06 G7		
LES / LED Size	Φ 6.5 mm		
FWHM (D50)	33°		
Field Angle (D10)	60°		
H (distance)	2.5 mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	883 lm	Measured @ 7.0 W	
Material	PC / UL94V2		

cd/klm

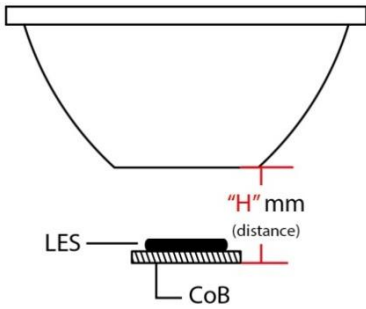


Illuminance At Distances

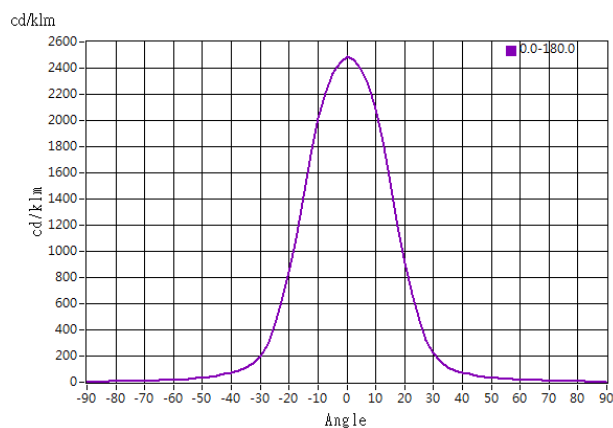




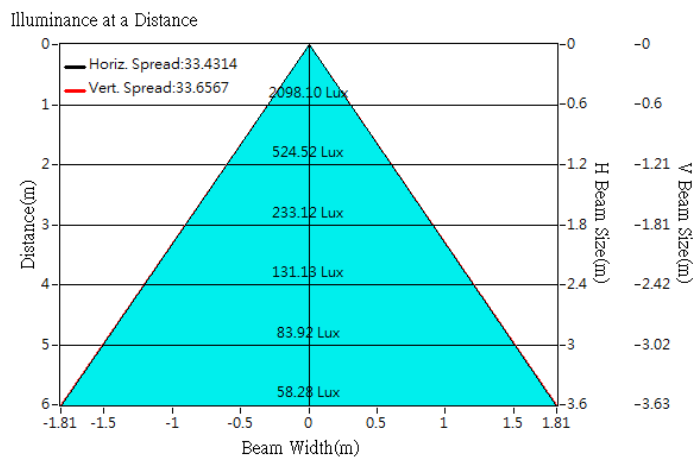
Optical Characteristics

Model Number	CKO-CS17-045021-1305		"H" definition 
LED	Fortimo SLM 1202 L06 G6		
LES / LED Size	Φ 6.5 mm		
FWHM (D50)	33°		
Field Angle (D10)	58°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	843 lm	Measured @ 7.0 W	
Material	PC / UL94V2		

cd/klm

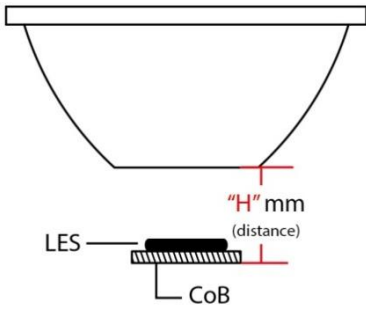


Illuminance At Distances

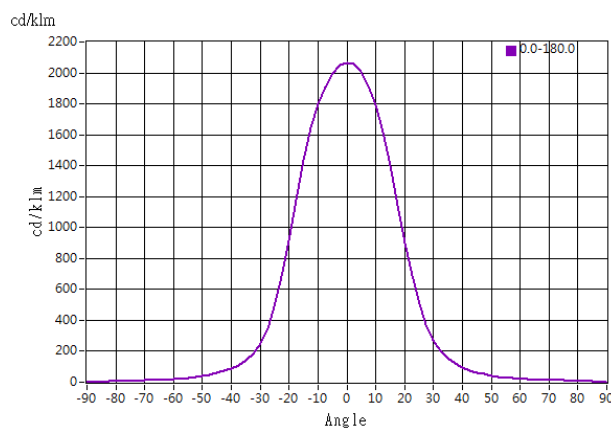




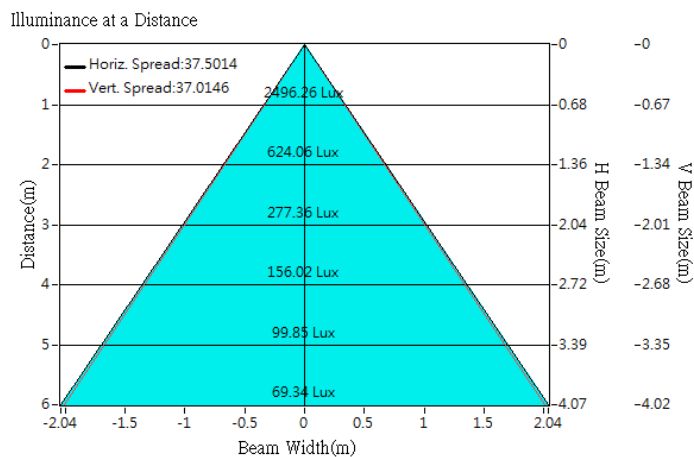
Optical Characteristics

Model Number	CKO-CS17-045021-1305		
LED	Fortimo SLM 1203 L09 G6		
LES / LED Size	Φ 9 mm		
FWHM (D50)	38°		
Field Angle (D10)	64°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	1208 lm	Measured @ 10.4 W	
Material	PC / UL94V2		

cd/klm

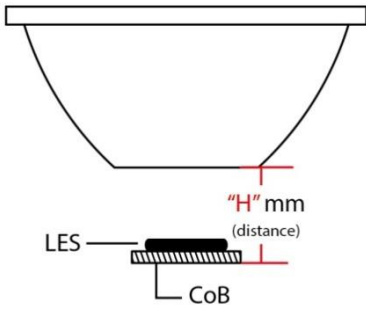


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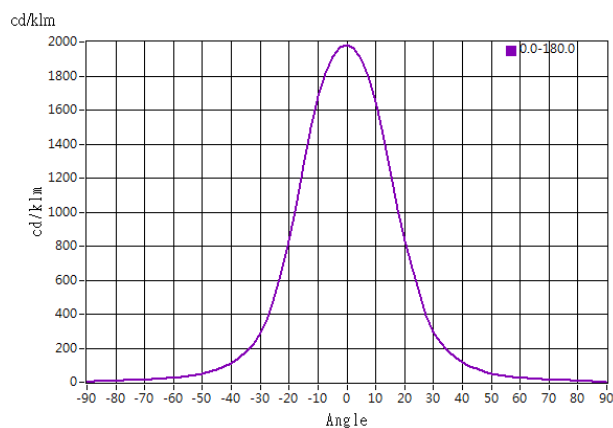




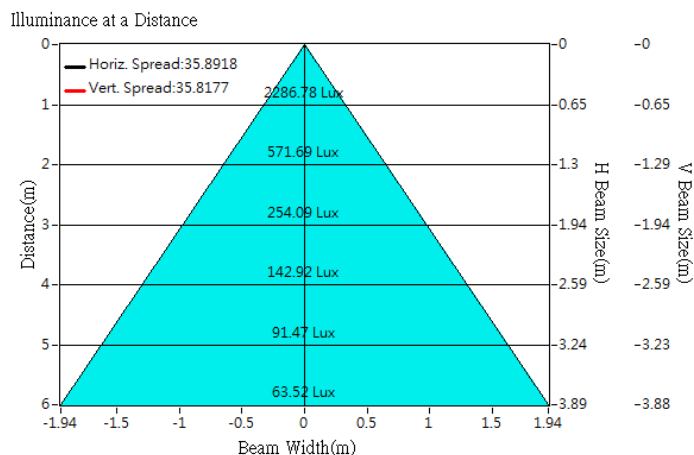
Optical Characteristics

Model Number	CKO-CS17-045021-1305		
LED	Fortimo SLM 1203 L09 G6_DL		
LES / LED Size	Φ 9 mm		
FWHM (D50)	36°		
Field Angle (D10)	68°		
H (distance)	3.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	1155 lm	Measured @ 10.4 W	
Material	PC / UL94V2		

cd/klm

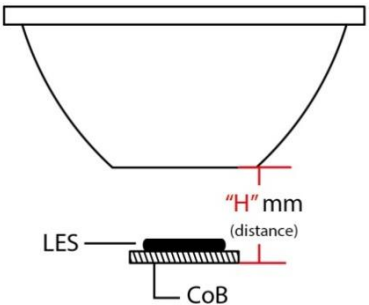


Illuminance At Distances

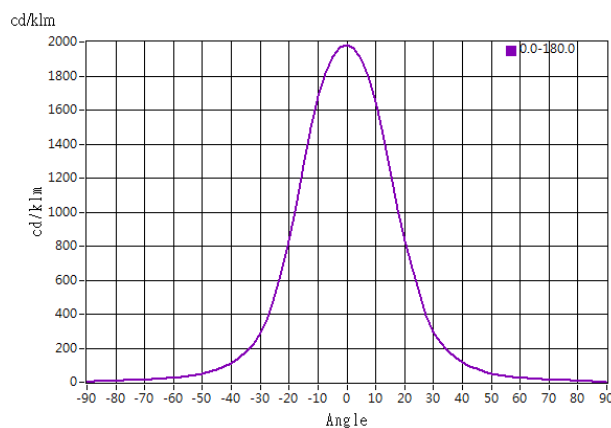




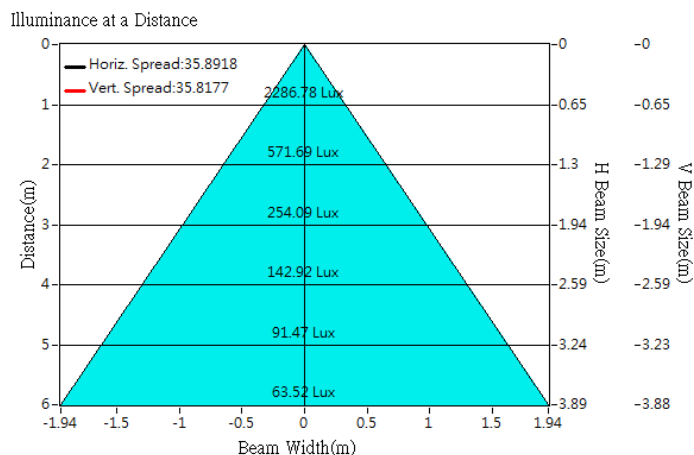
Optical Characteristics

Model Number	CKO-CS17-045021-1305		
LED	Fortimo SLM 1203 L09 G6_PI		
LES / LED Size	Φ 9 mm		
FWHM (D50)	36°		
Field Angle (D10)	68°		
H (distance)	3.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	1155 lm	Measured @ 10.4 W	
Material	PC / UL94V2		

cd/klm



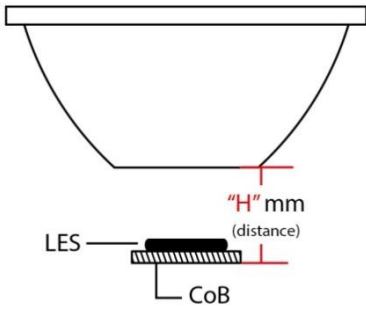
Illuminance At Distances



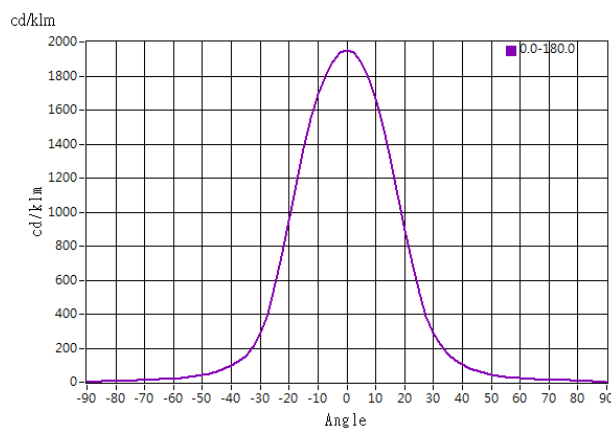


Optical Characteristics

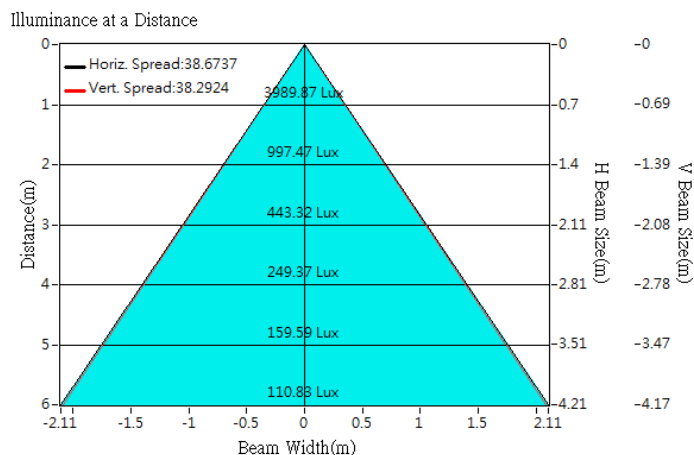
Model Number	CKO-CS17-045021-1305		"H" definition
LED	Fortimo SLM PW 1204 L09 G7		
LES / LED Size	Φ 9 mm		
FWHM (D50)	39°		
Field Angle (D10)	67°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	2044 lm	Measured @ 21.6 W	
Material	PC / UL94V2		



cd/klm

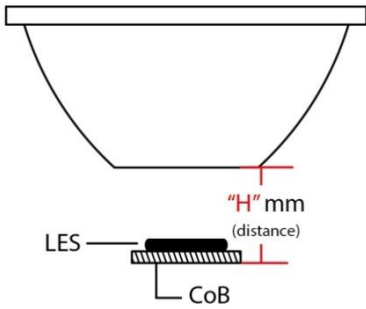


Illuminance At Distances

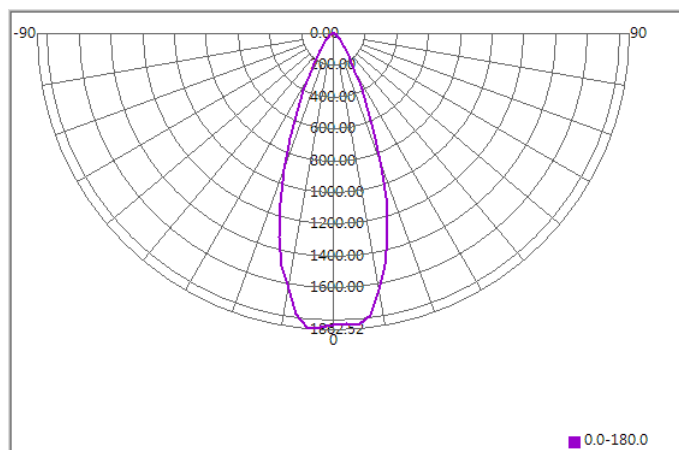




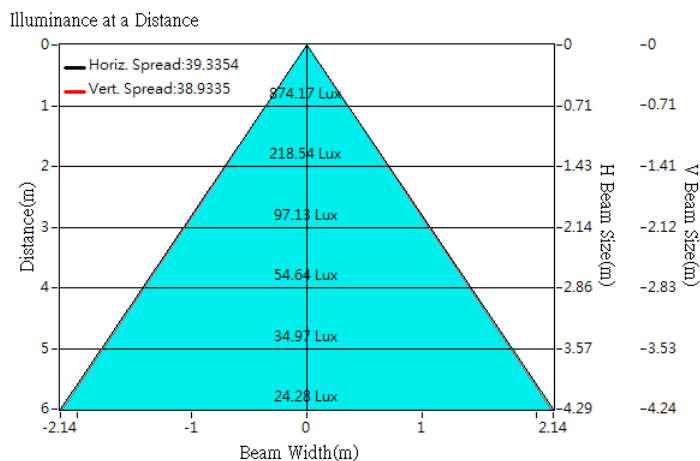
Optical Characteristics

Model Number	CKO-CS17-045021-1305		
LED	Fortimo SLM 1201 L09 G7N		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	39°		
Field Angle (D10)	68°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	477 lm	Measured @ 3.0 W	
Material	PC / UL94V2		

cd/klm

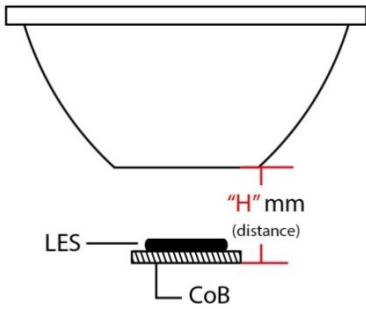


Illuminance At Distances

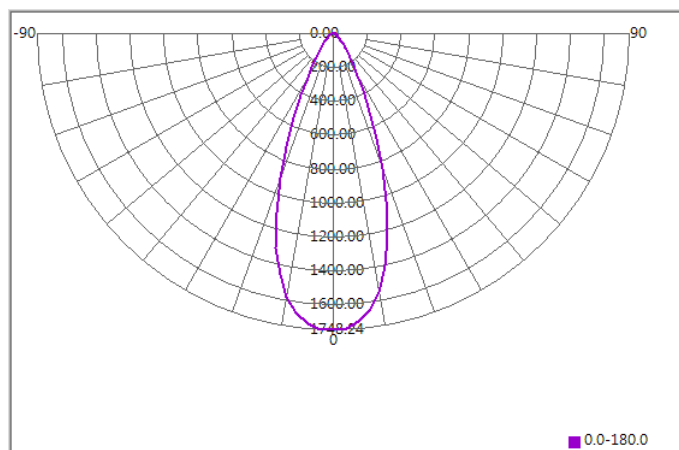




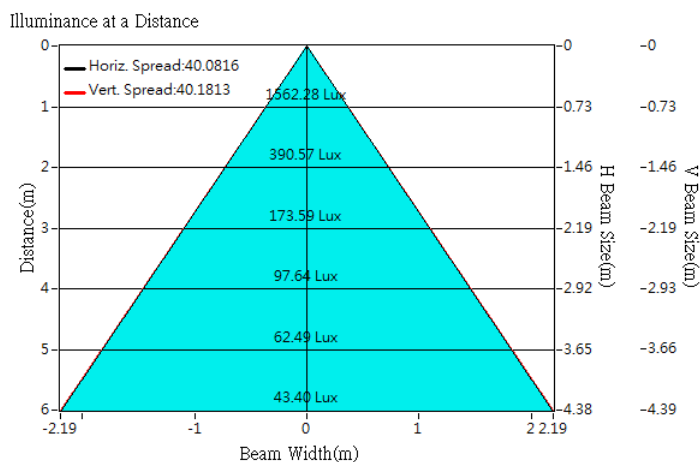
Optical Characteristics

Model Number	CKO-CS17-045021-1305		
LED	Fortimo SLM 1202 L09 G7N		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	40°		
Field Angle (D10)	70°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	893 lm	Measured @ 6.1 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

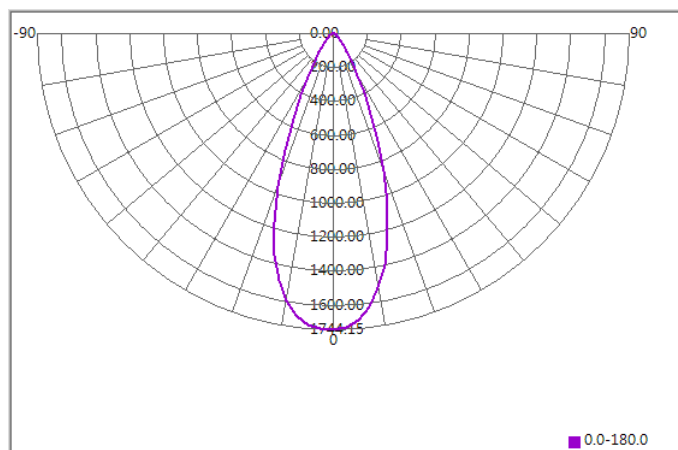




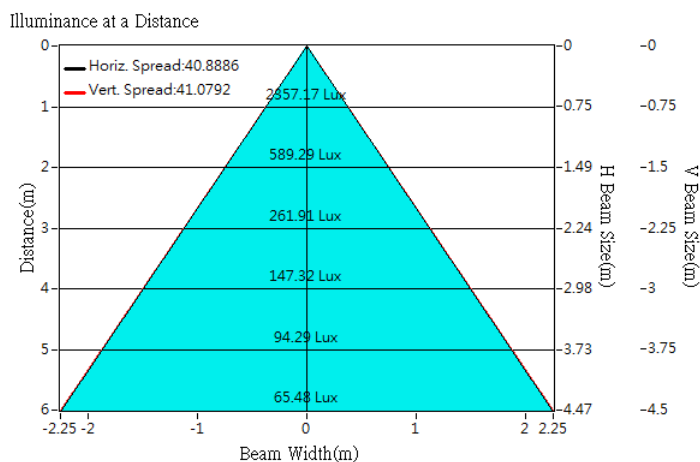
Optical Characteristics

Model Number	CKO-CS17-045021-1305		
LED	Fortimo SLM 1203 L09 G7N		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	41°		
Field Angle (D10)	70°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	1351 lm	Measured @ 9.2 W	
Material	PC / UL94V2		

cd/klm

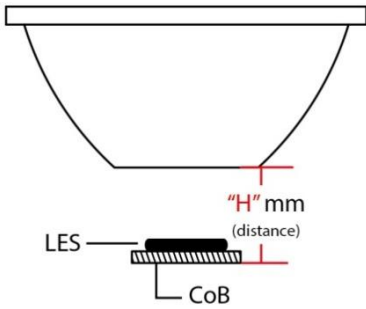


Illuminance At Distances

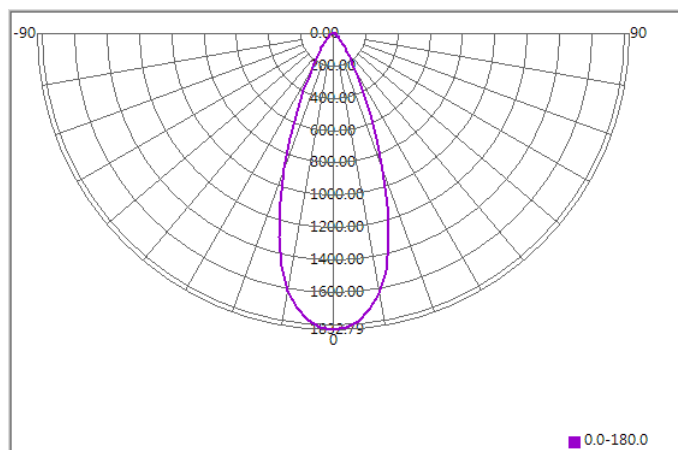




Optical Characteristics

Model Number	CKO-CS17-045021-1305		
LED	Fortimo SLM 1204 L09 G7N		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	39°		
Field Angle (D10)	69°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	1756 lm	Measured @ 12.3 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

