



Product Model Number

CKO-CH15-085040-5003

✓ 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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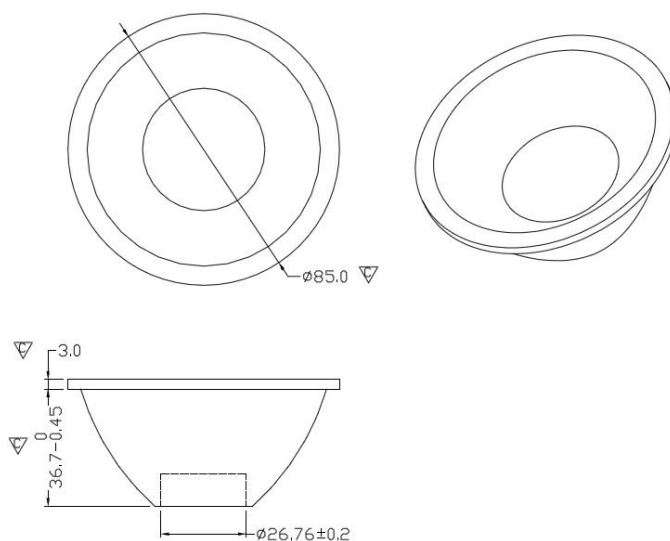


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

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

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

✓ Dimensions (mm) : Φ85 x 39.7



▽:Critical Dimension

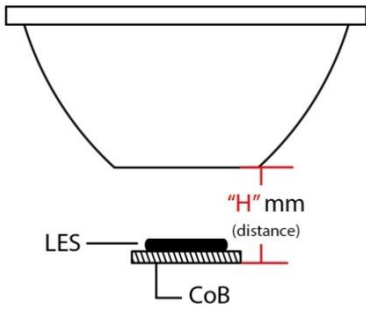


✓ Optical Characteristics – Angle Performances

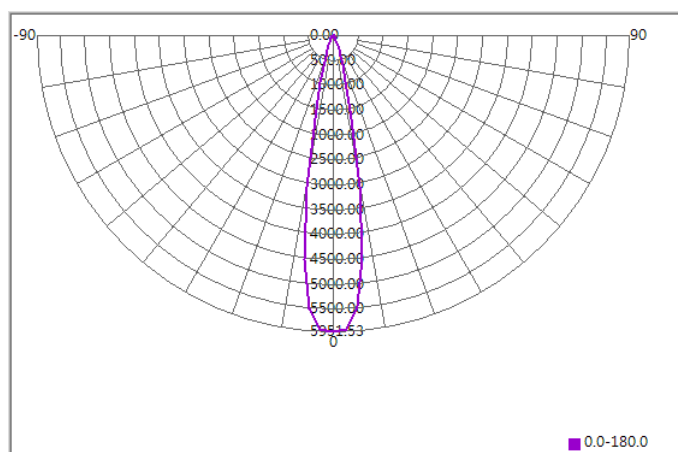
Philips	LED LES (mm)	FWHM (degrees)	Field Angle (degrees)
Fortimo SLM PW 1204 L09 G7	Φ9	20°	36°
Fortimo SLM 1202 L09 G7N	Φ9.8	23°	43°
Fortimo SLM 1203 L09 G7N	Φ9.8	22°	41°
Fortimo SLM 1204 L09 G7N	Φ9.8	21°	39°
Fortimo SLM 1205 L13 G7	Φ13	23°	43°
Fortimo SLM PW 1205 L13 G6	Φ13	23°	43°
Fortimo SLM PW 1205 L13 G6_DL	Φ13	23°	44°
Fortimo SLM PW 1205 L13 G6_PI	Φ13	23°	44°
Fortimo SLM 1205 L15 G7N	Φ14.5	23°	45°
Fortimo SLM 1206 L15 G7N	Φ14.5	24°	46°
Fortimo SLM 1208 L15 G7N	Φ14.5	24°	46°
Fortimo SLM 1210 L15 G7N	Φ14.5	24°	46°
Fortimo SLM 1208 L15 G7	Φ15	24°	45°
Fortimo SLM 1208 L15 G6	Φ15	24°	47°
Fortimo SLM 1208 L15 G6_DL	Φ15	25°	47°
Fortimo SLM 1208 L15 G6_PI	Φ15	25°	47°
Fortimo SLM 1211 L19 G6_DL	Φ19	28°	55°
Fortimo SLM 1211 L19 G6_PI	Φ19	28°	55°



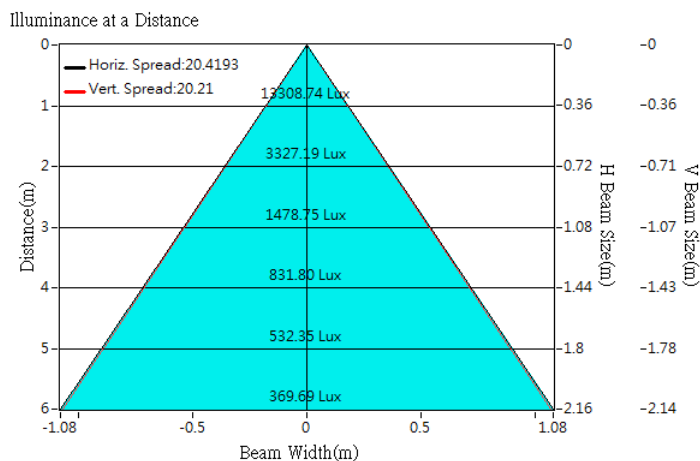
Optical Characteristics

Model Number	CKO-CH15-085040-5003		“H” definition 
LED	Fortimo SLM PW 1204 L09 G7		
LES / LED Size	Φ 9 mm		
FWHM (D50)	20°		
Field Angle (D10)	36°		
H (distance)	3.5 mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2236 lm	Measured @ 26.7 W	
Material	PC / UL94V2		

cd/klm

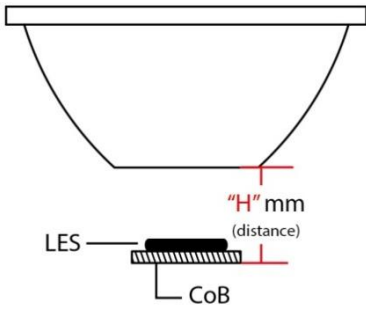


Illuminance At Distances

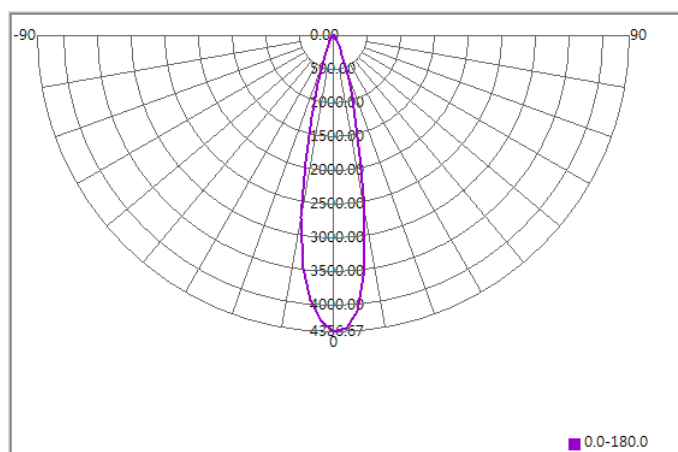




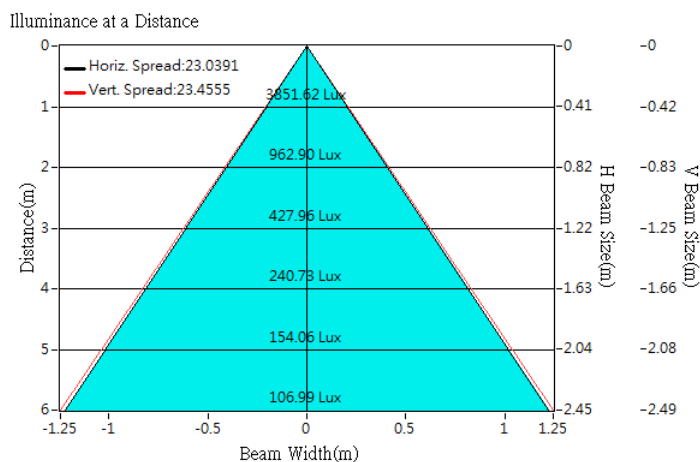
Optical Characteristics

Model Number	CKO-CH15-085040-5003		
LED	Fortimo SLM 1202 L09 G7N		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	23°		
Field Angle (D10)	43°		
H (distance)	3.65mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	878 lm	Measured @ 6.1 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

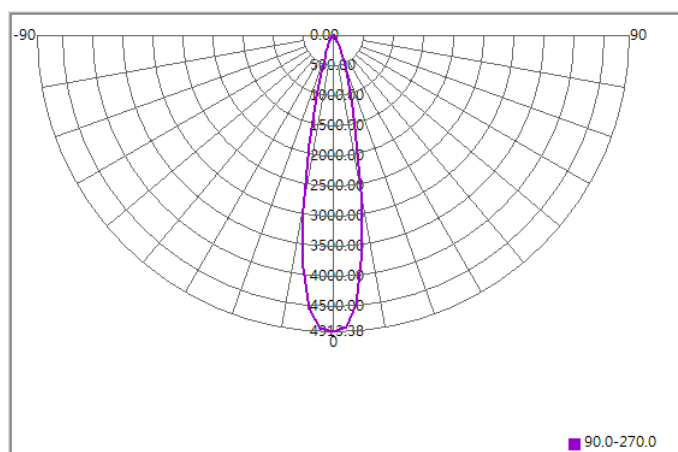




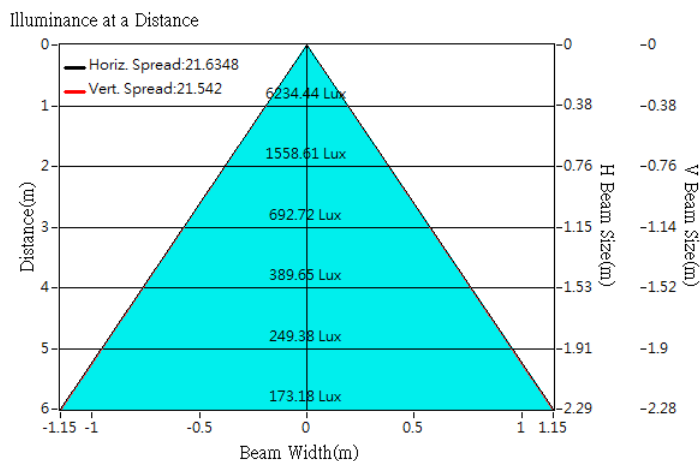
Optical Characteristics

Model Number	CKO-CH15-085040-5003		
LED	Fortimo SLM 1203 L09 G7N		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	22°		
Field Angle (D10)	41°		
H (distance)	3.65mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	1268 lm	Measured @ 9.2 W	
Material	PC / UL94V2		

cd/klm

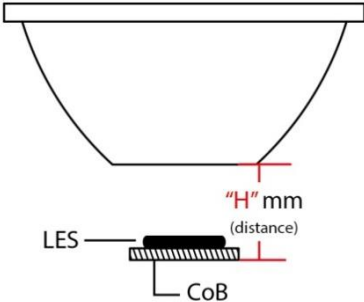


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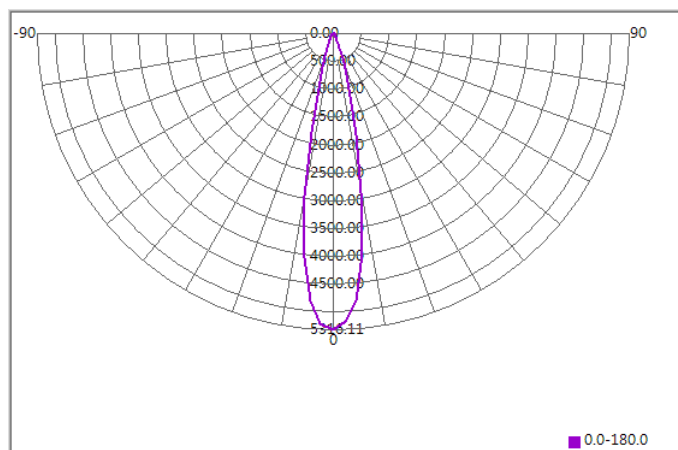




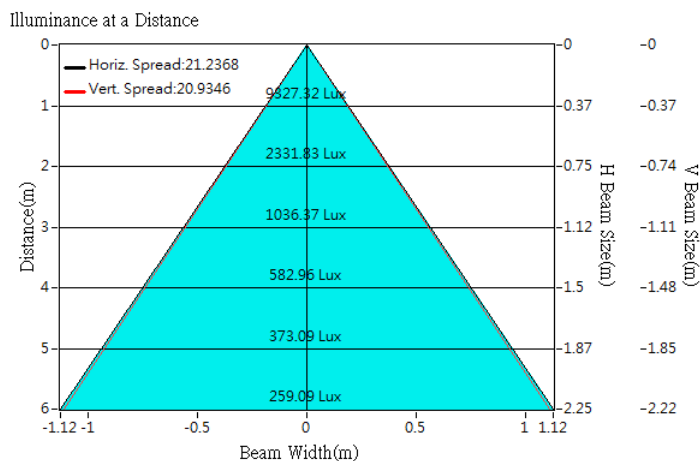
Optical Characteristics

Model Number	CKO-CH15-085040-5003		“H” definition 
LED	Fortimo SLM 1204 L09 G7N		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	21°		
Field Angle (D10)	39°		
H (distance)	3.65mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	1754 lm	Measured @ 12.3 W	
Material	PC / UL94V2		

cd/klm

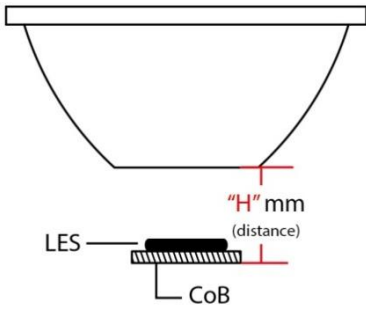


Illuminance At Distances

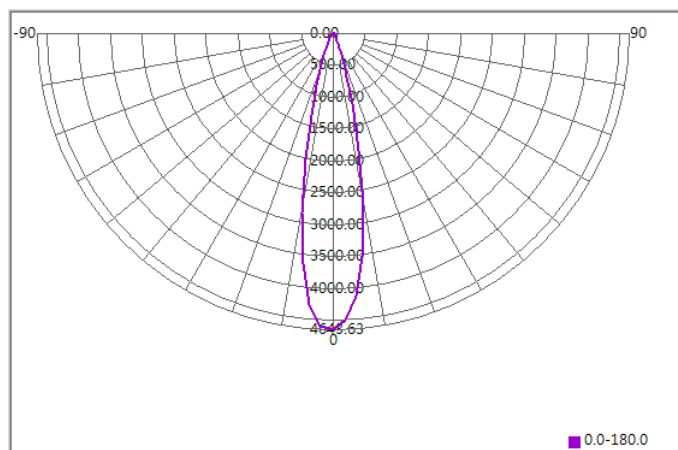




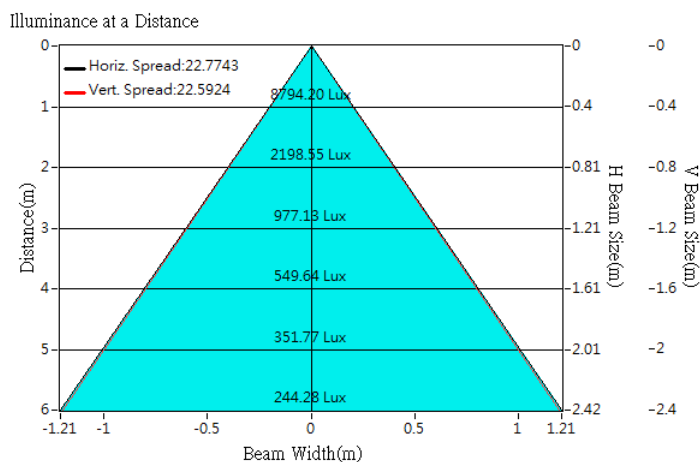
Optical Characteristics

Model Number	CKO-CH15-085040-5003		“H” definition 
LED	Fortimo SLM 830 1205 L13 G7		
LES / LED Size	Φ 13 mm		
FWHM (D50)	23°		
Field Angle (D10)	43°		
H (distance)	3.65 mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	1893 lm	Measured @ 17.5 W	
Material	PC / UL94V2		

cd/klm

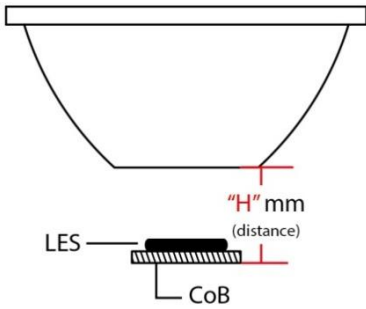


Illuminance At Distances

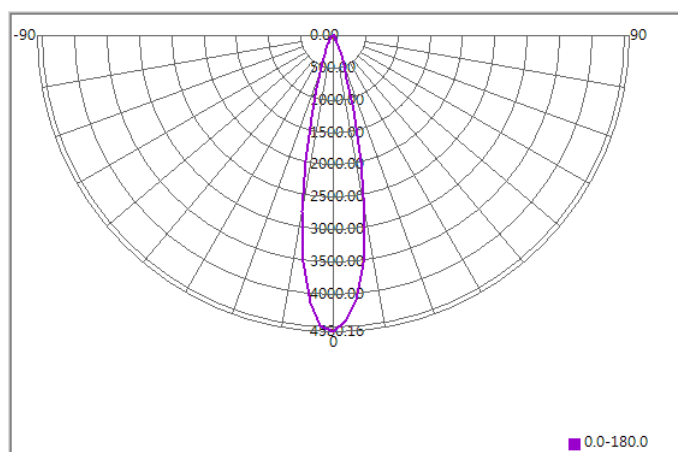




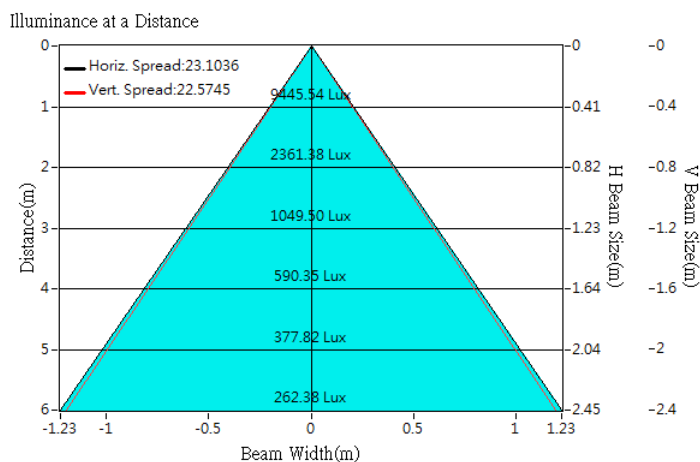
Optical Characteristics

Model Number	CKO-CH15-085040-5003		
LED	Fortimo SLM PW 1205 L13 G6		
LES / LED Size	Φ 13 mm		
FWHM (D50)	23°		
Field Angle (D10)	43°		
H (distance)	3.65mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2062 lm	Measured @ 17.8 W	
Material	PC / UL94V2		

cd/klm

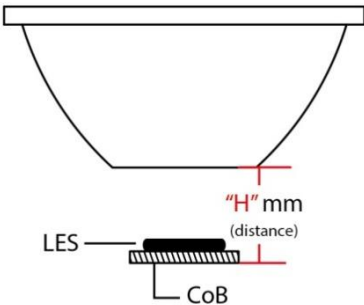


Illuminance At Distances

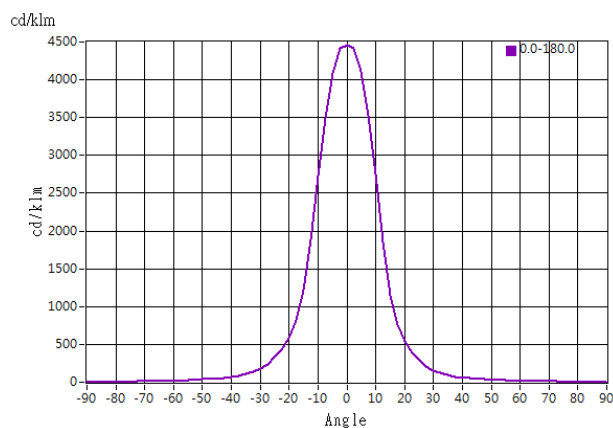




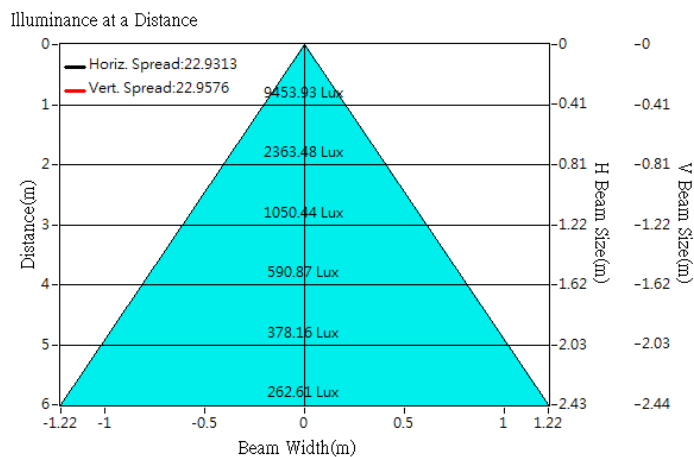
Optical Characteristics

Model Number	CKO-CH15-085040-5003		"H" definition 
LED	Fortimo SLM C 1205 L13 2024 G6_DL		
LES / LED Size	Φ 13 mm		
FWHM (D50)	23°		
Field Angle (D10)	44°		
H (distance)	3.5mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2118 lm	Measured @ 17.3 W	
Material	PC / UL94V2		

cd/klm

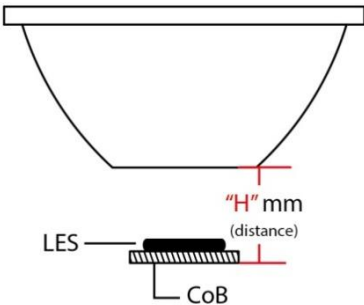


Illuminance At Distances

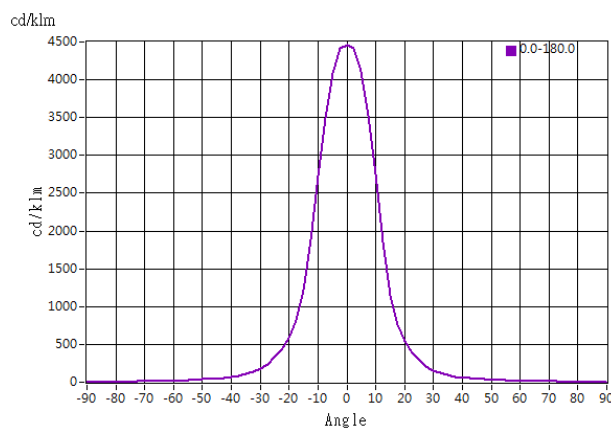




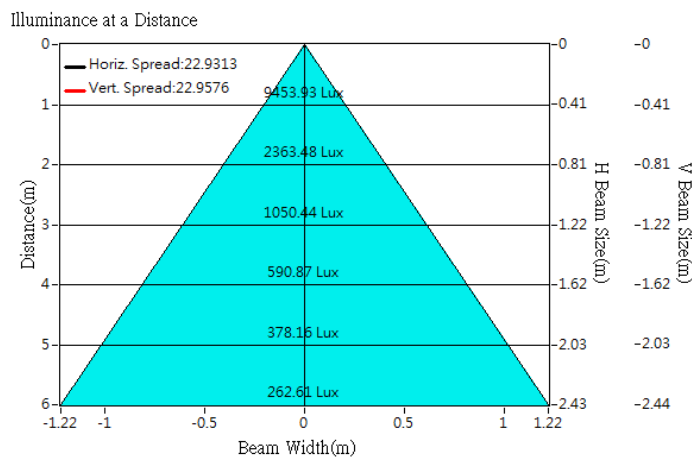
Optical Characteristics

Model Number	CKO-CH15-085040-5003		“H” definition 
LED	Fortimo SLM C 1205 L13 2024 G6_PI		
LES / LED Size	Φ 13 mm		
FWHM (D50)	23°		
Field Angle (D10)	44°		
H (distance)	3.5mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2118 lm	Measured @ 17.3 W	
Material	PC / UL94V2		

cd/klm

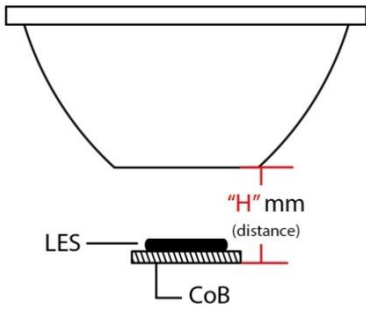


Illuminance At Distances

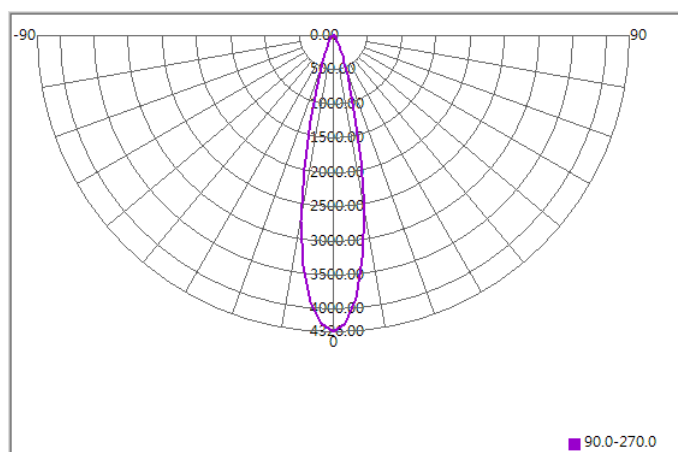




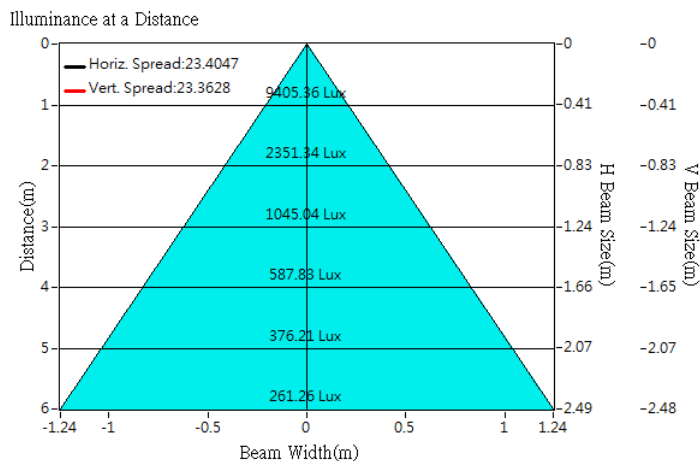
Optical Characteristics

Model Number	CKO-CH15-085040-5003		“H” definition 
LED	Fortimo SLM 1205 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	23°		
Field Angle (D10)	45°		
H (distance)	3.65mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2174 lm	Measured @ 15.4 W	
Material	PC / UL94V2		

cd/klm

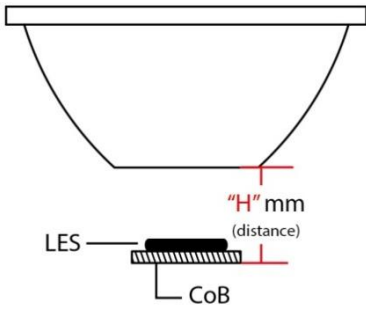


Illuminance At Distances

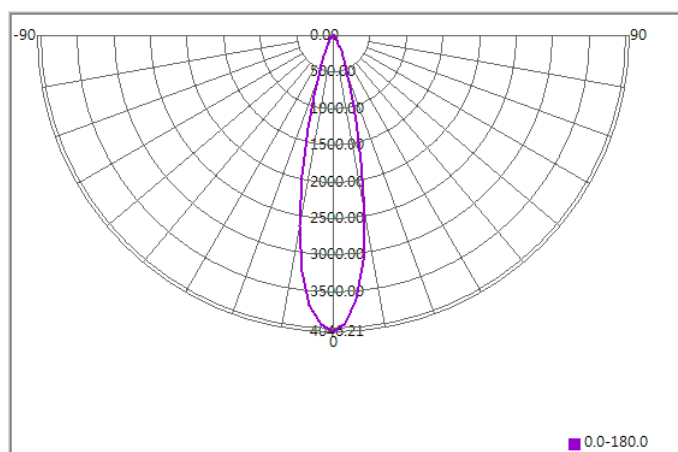




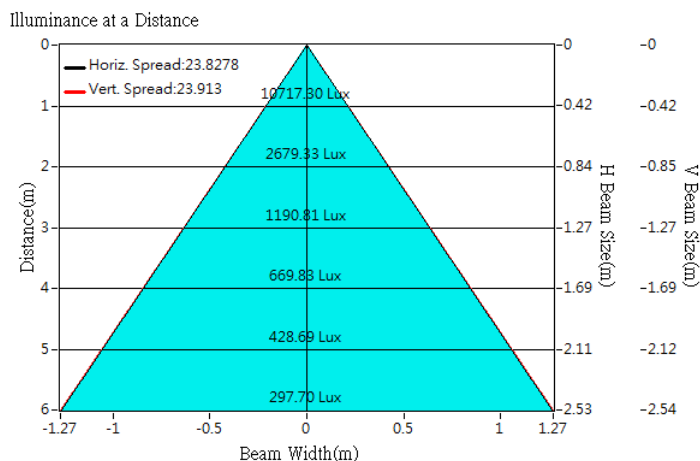
Optical Characteristics

Model Number	CKO-CH15-085040-5003		“H” definition 
LED	Fortimo SLM 1206 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	24°		
Field Angle (D10)	46°		
H (distance)	3.65mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2648 lm	Measured @ 18.5 W	
Material	PC / UL94V2		

cd/klm

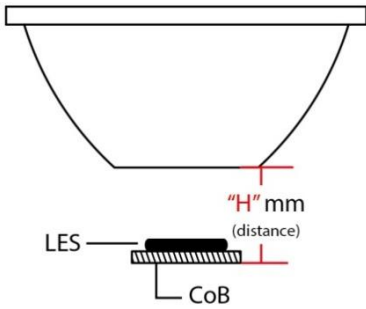


Illuminance At Distances

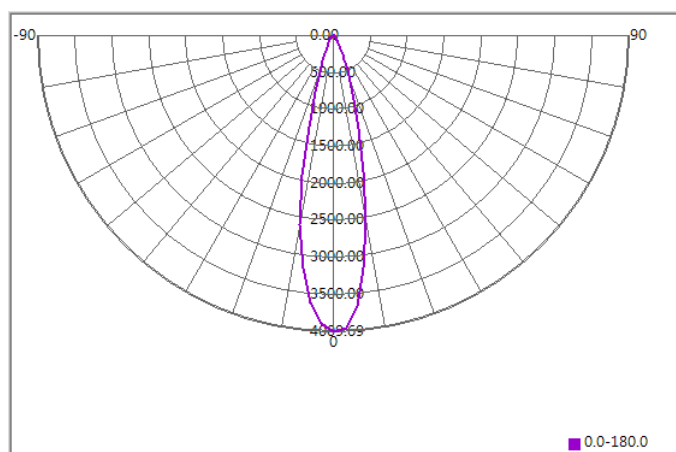




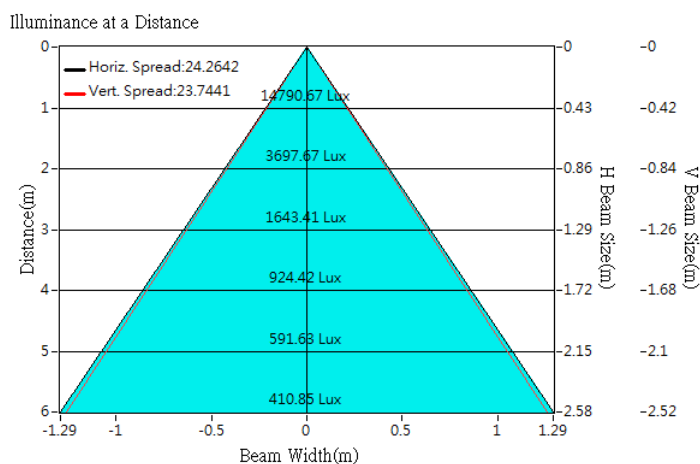
Optical Characteristics

Model Number	CKO-CH15-085040-5003		
LED	Fortimo SLM 1208 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	24°		
Field Angle (D10)	46°		
H (distance)	3.65mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	3688 lm	Measured @ 25 W	
Material	PC / UL94V2		

cd/klm

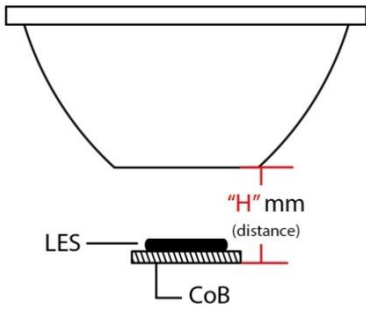


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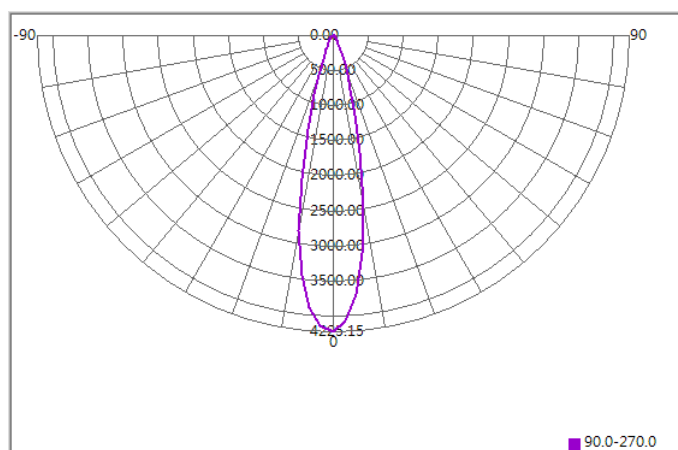




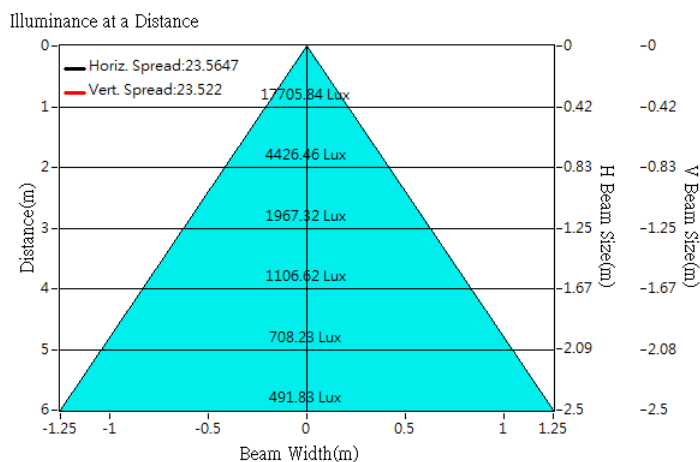
Optical Characteristics

Model Number	CKO-CH15-085040-5003		
LED	Fortimo SLM 1210 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	24°		
Field Angle (D10)	46°		
H (distance)	3.65mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	4190 lm	Measured @ 31 W	
Material	PC / UL94V2		

cd/klm

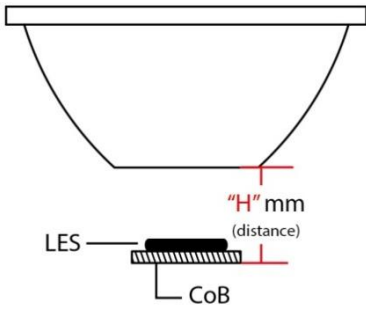


Illuminance At Distances

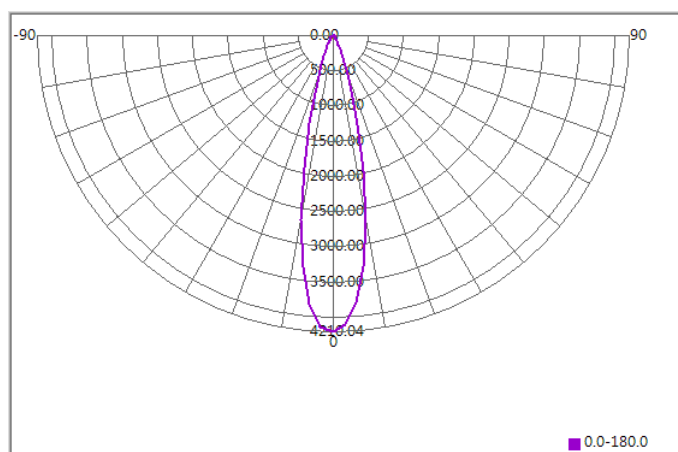




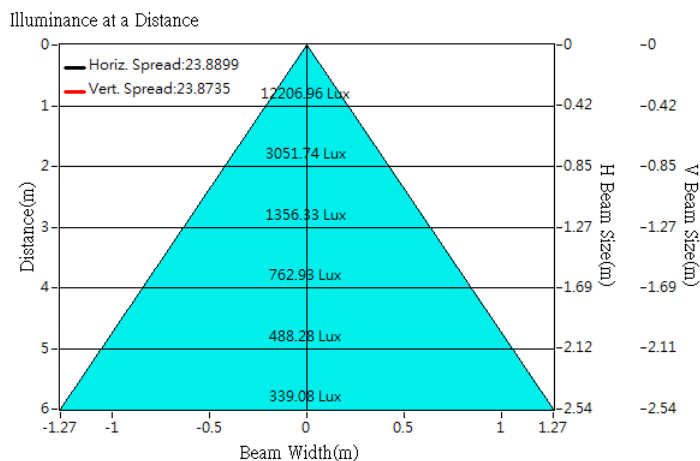
Optical Characteristics

Model Number	CKO-CH15-085040-5003		“H” definition 
LED	Fortimo SLM 1208 L15 G7		
LES / LED Size	Φ 15 mm		
FWHM (D50)	24°		
Field Angle (D10)	45°		
H (distance)	3.65 mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2899 lm	Measured @26.2 W	
Material	PC / UL94V2		

cd/klm

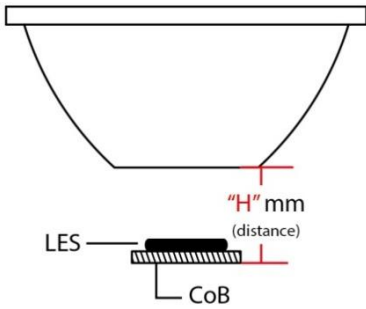


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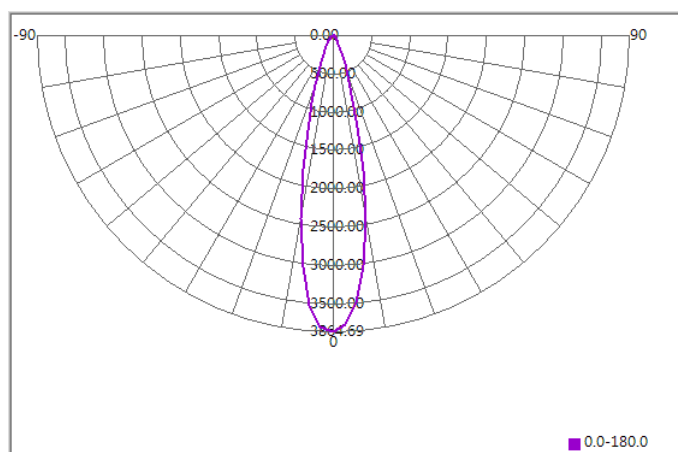




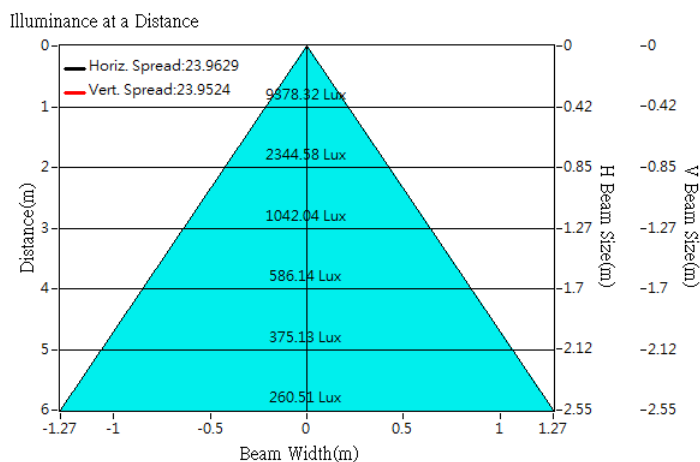
Optical Characteristics

Model Number	CKO-CH15-085040-5003		"H" definition 
LED	Fortimo SLM 1208 L15 G6		
LES / LED Size	Φ 15 mm		
FWHM (D50)	24°		
Field Angle (D10)	47°		
H (distance)	3.65mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2426 lm	Measured @ 26.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

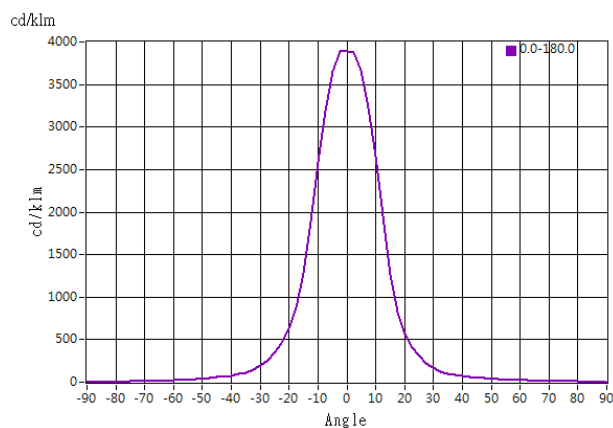




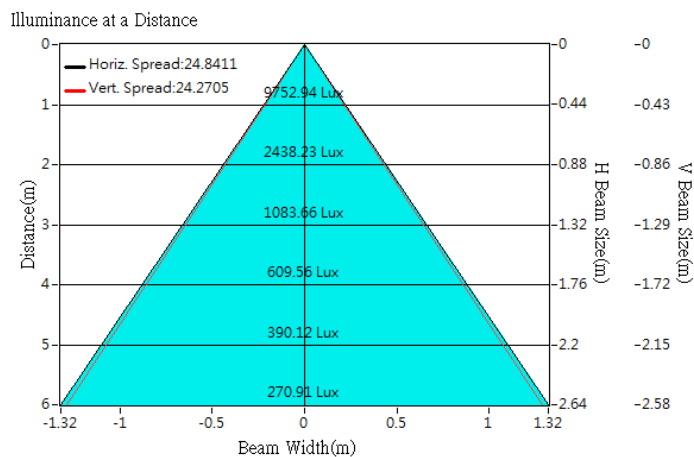
Optical Characteristics

Model Number	CKO-CH15-085040-5003		“H” definition
LED	Fortimo SLM C 1208 L15 2024 G6_DL		
LES / LED Size	Φ 15 mm		
FWHM (D50)	25°		
Field Angle (D10)	47°		
H (distance)	3.5mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2508 lm	Measured @26.9 W	
Material	PC / UL94V2		

cd/klm

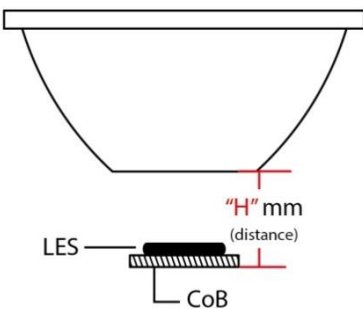


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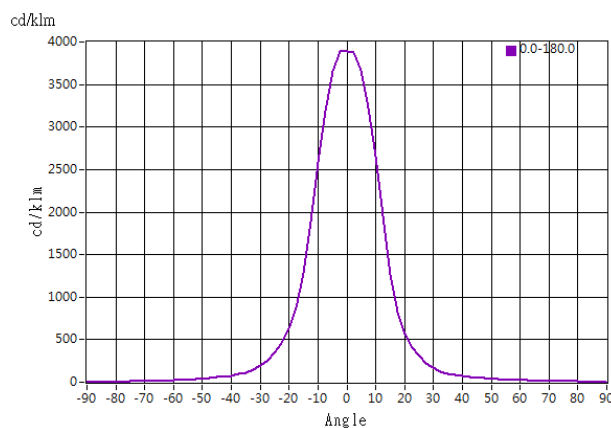




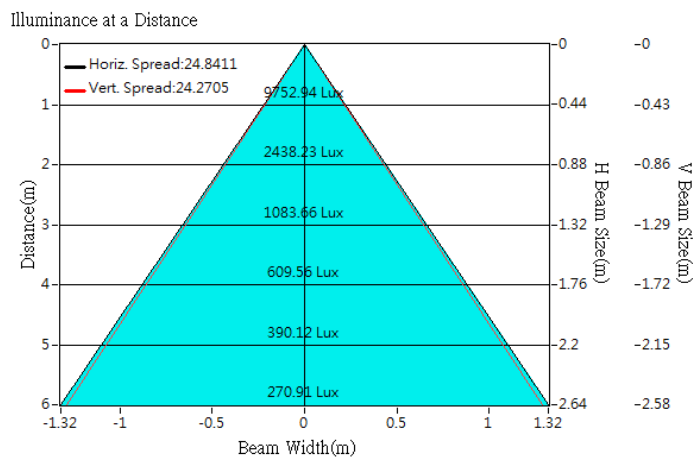
Optical Characteristics

Model Number	CKO-CH15-085040-5003		“H” definition 
LED	Fortimo SLM C 1208 L15 2024 G6_PI		
LES / LED Size	Φ 15 mm		
FWHM (D50)	25°		
Field Angle (D10)	47°		
H (distance)	3.5mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2508 lm	Measured @26.9 W	
Material	PC / UL94V2		

cd/klm

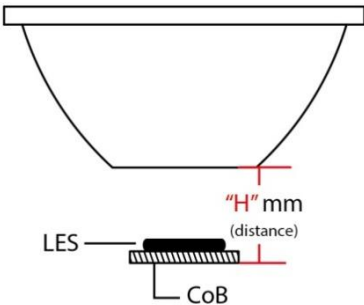


Illuminance At Distances

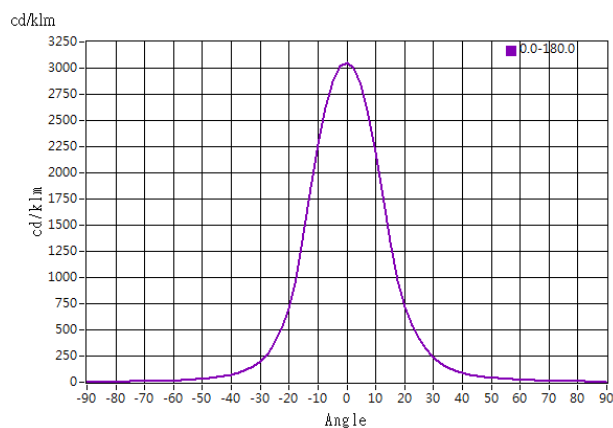




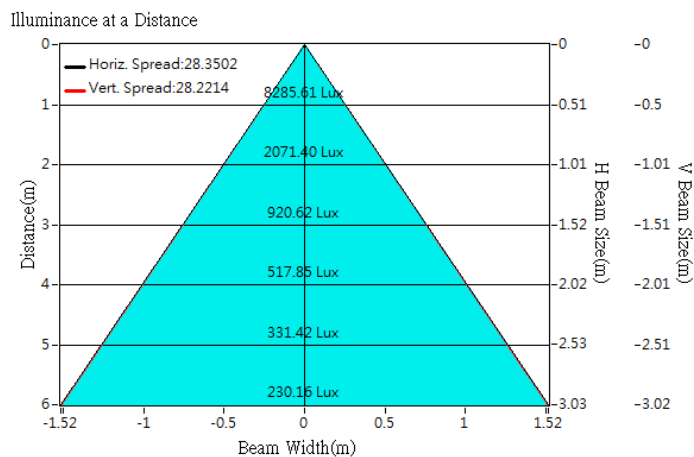
Optical Characteristics

Model Number		CKO-CH15-085040-5003	"H" definition
LED	Fortimo SLM C 1211 L19 2828 G6_DL		
LES / LED Size	Φ 19 mm		
FWHM (D50)	28°		
Field Angle (D10)	55°		
H (distance)	3.5mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2720 lm	Measured @ 35.7 W	
Material	PC / UL94V2		

cd/klm

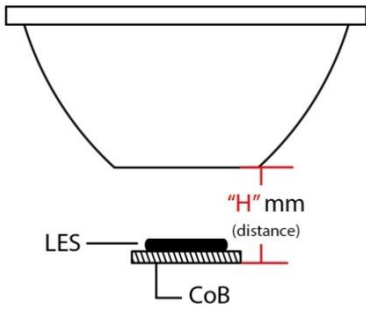


Illuminance At Distances

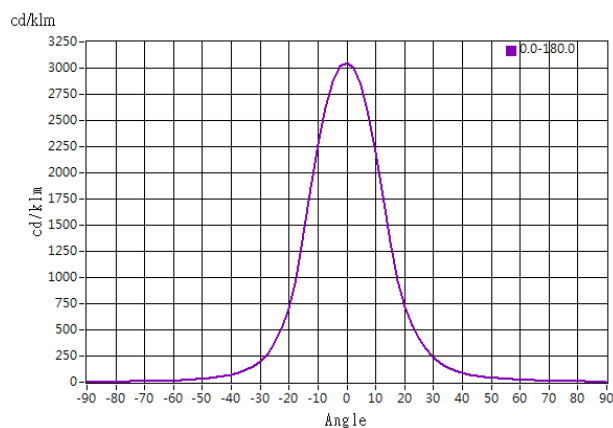




Optical Characteristics

Model Number	CKO-CH15-085040-5003		“H” definition 
LED	Fortimo SLM C 1211 L19 2828 G6_PI		
LES / LED Size	Φ 19 mm		
FWHM (D50)	28°		
Field Angle (D10)	55°		
H (distance)	3.5mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2720 lm	Measured @ 35.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

