



Product Model Number

CKO-CH15-085040-5001

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

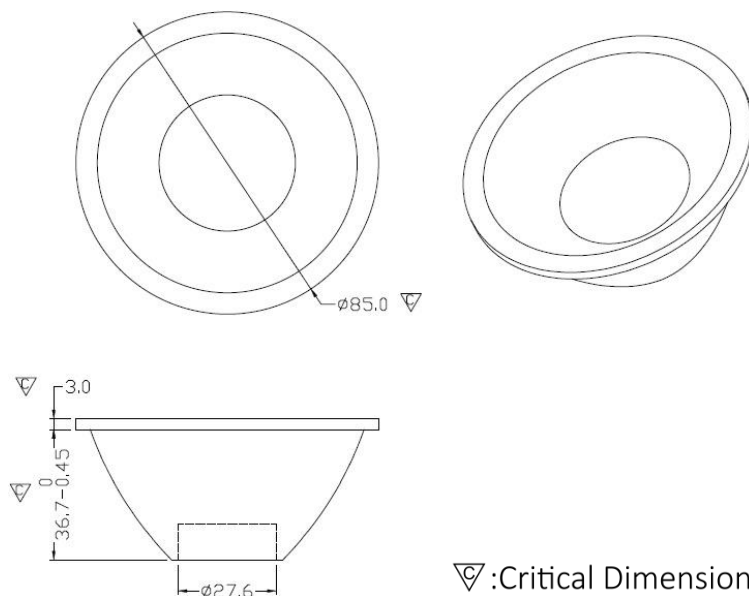


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

- 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

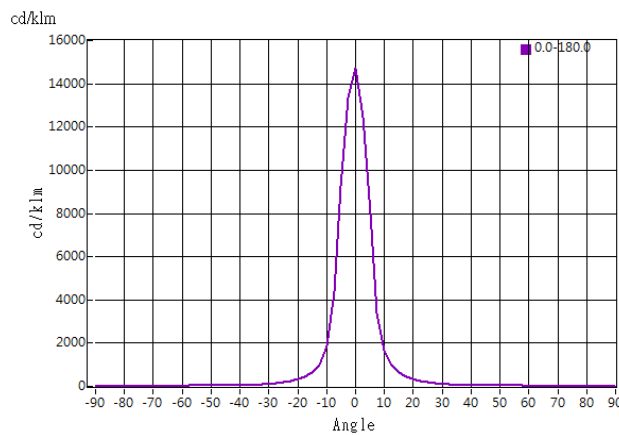
Philips	LED LES (mm)	FWHM (degrees)	Field Angle (degrees)
Fortimo SLM 1203 L09 G6	Φ9	11°	22°
Fortimo SLM PW 1204 L09 G7	Φ9	10°	21°
Fortimo SLM 1202 L09 G7N	Φ9.8	12°	29°
Fortimo SLM 1203 L09 G7N	Φ9.8	12°	26°
Fortimo SLM 1204 L09 G7N	Φ9.8	12°	26°
Fortimo SLM 1205 L13 G7	Φ13	16°	32°
Fortimo SLM PW 1205 L13 G6	Φ13	16°	32°
Fortimo SLM PW 1205 L13 G6_DL	Φ13	16°	32°
Fortimo SLM PW 1205 L13 G6_PI	Φ13	16°	32°
Fortimo SLM 1205 L15 G7N	Φ14.5	17°	35°
Fortimo SLM 1206 L15 G7N	Φ14.5	17°	37°
Fortimo SLM 1208 L15 G7N	Φ14.5	18°	38°
Fortimo SLM 1210 L15 G7N	Φ14.5	18°	35°
Fortimo SLM 1208 L15 G7	Φ15	18°	36°
Fortimo SLM 1208 L15 G6	Φ15	17°	39°
Fortimo SLM 1208 L15 G6_DL	Φ15	18°	35°
Fortimo SLM 1208 L15 G6_PI	Φ15	18°	35°
Fortimo SLM 1211 L19 G6_DL	Φ19	24°	47°
Fortimo SLM 1211 L19 G6_PI	Φ19	24°	47°



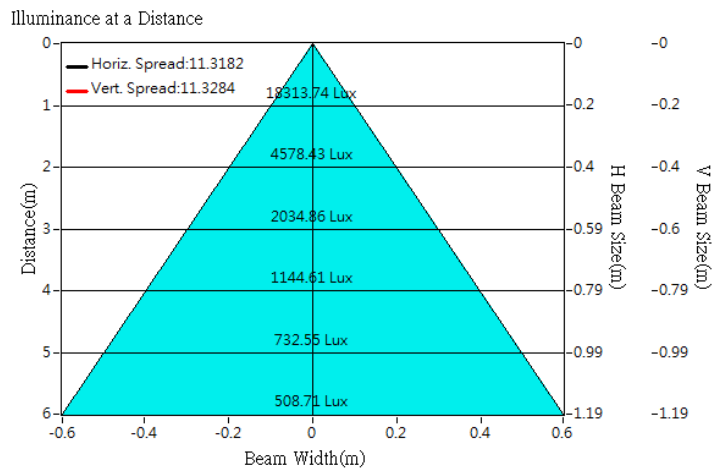
Optical Characteristics

Model Number	CKO-CH15-085040-5001	<p>"H" definition</p> <p>LES CoB</p>
LED	Fortimo SLM 1203 L09 G6	
LES / LED Size	Φ 9 mm	
FWHM (D50)	11°	
Field Angle (D10)	22°	
H (distance)	3.65mm	
Dimension	Φ =85 mm, Thickness=39.7 mm	
Luminous Flux	1243 lm	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

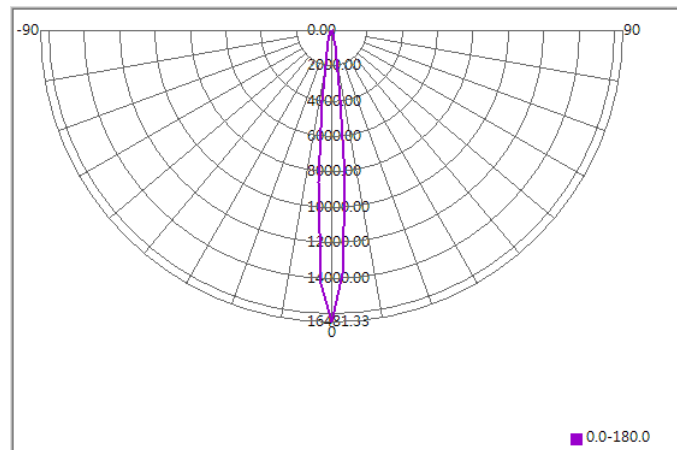




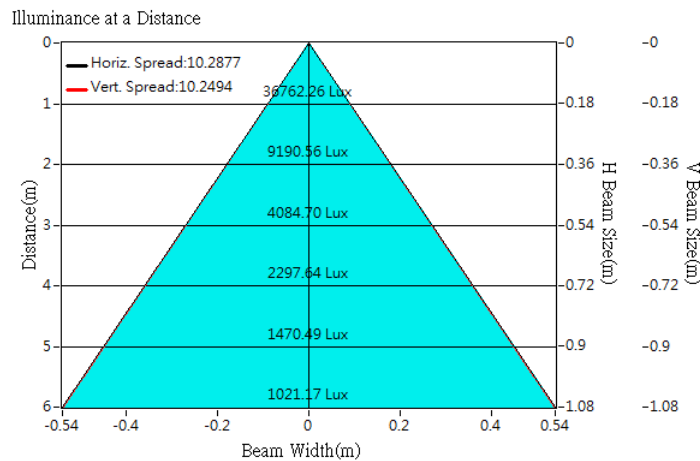
Optical Characteristics

Model Number	CKO-CH15-085040-5001		<p>"H" definition</p> <p>LES</p> <p>CoB</p> <p>"H" mm (distance)</p>
LED	Fortimo SLM PW 1204 L09 G7		
LES / LED Size	Φ 9 mm		
FWHM (D50)	10°		
Field Angle (D10)	21°		
H (distance)	3.65mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2230 lm	Measured @ 26.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

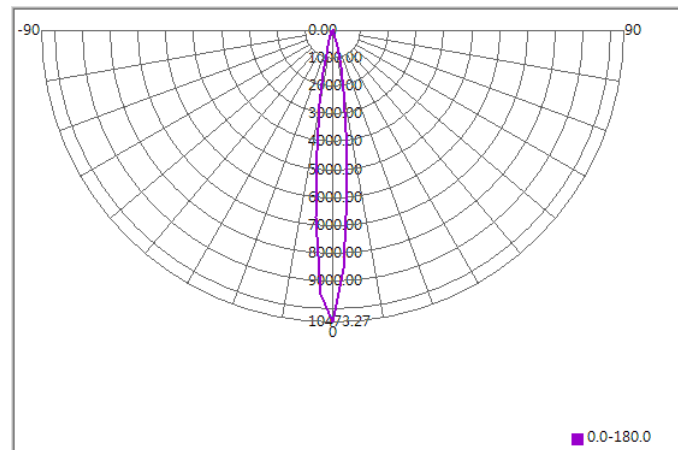




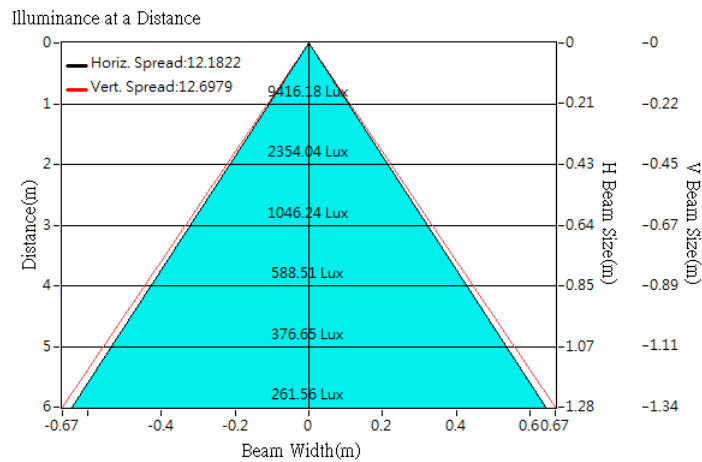
Optical Characteristics

Model Number	CKO-CH15-085040-5001		
LED	Fortimo SLM 1202 L09 G7N		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	12°		
Field Angle (D10)	29°		
H (distance)	3.65mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	899 lm	Measured @ 6.2 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

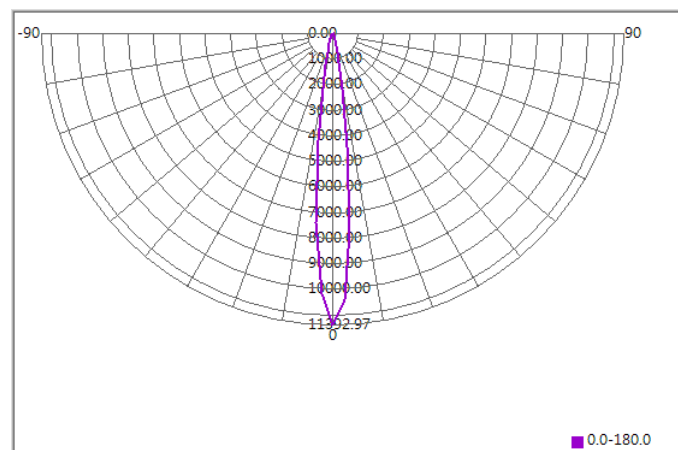




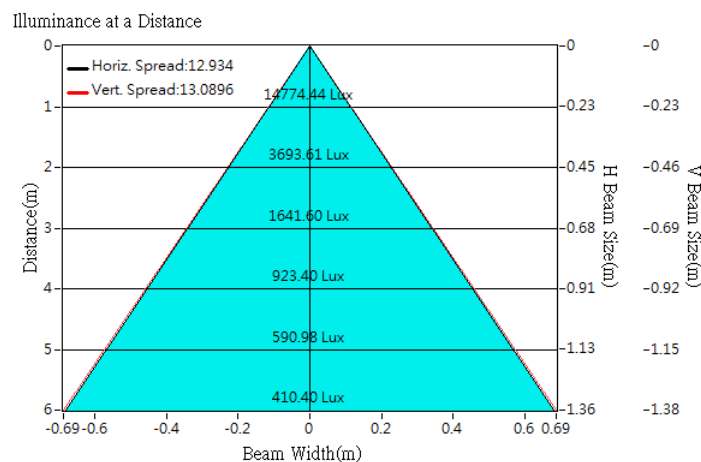
Optical Characteristics

Model Number	CKO-CH15-085040-5001		<p>"H" definition</p> <p>LES</p> <p>CoB</p> <p>"H" mm (distance)</p>
LED	Fortimo SLM 1203 L09 G7N		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	12°		
Field Angle (D10)	26°		
H (distance)	3.65mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	1296 lm	Measured @ 9.2 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

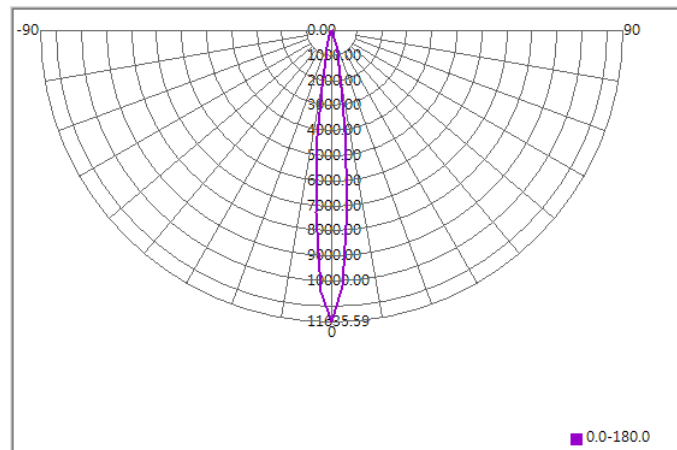




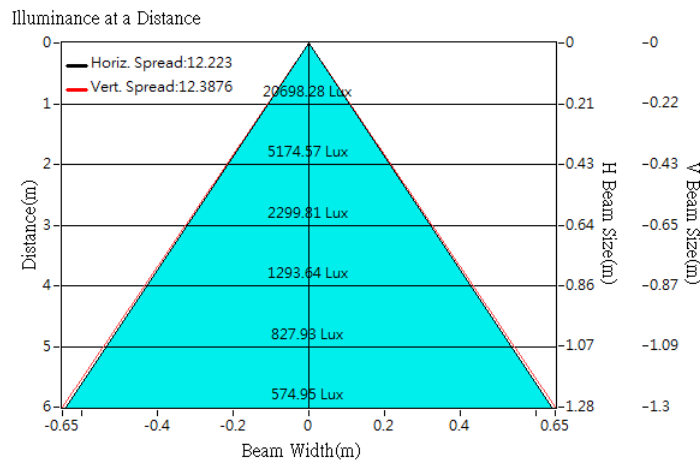
Optical Characteristics

Model Number	CKO-CH15-085040-5001		<p>"H" definition</p>
LED	Fortimo SLM 1204 L09 G7N		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	12°		
Field Angle (D10)	26°		
H (distance)	3.65mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	1778 lm	Measured @ 12.3 W	
Material	PC / UL94V2		

cd/klm

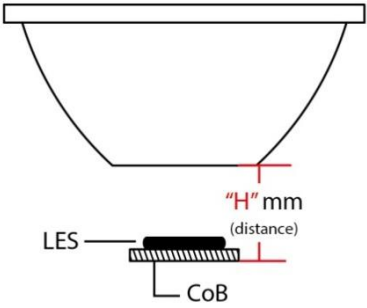


Illuminance At Distances

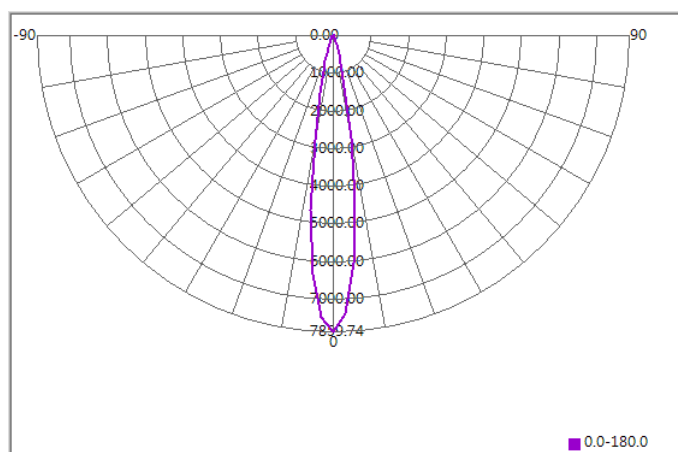




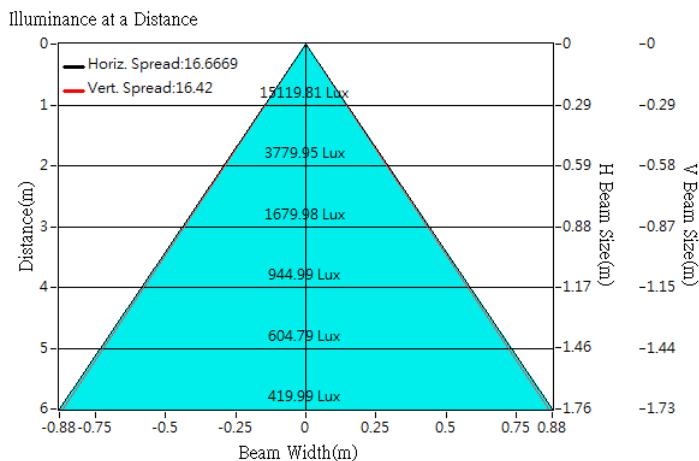
Optical Characteristics

Model Number	CKO-CH15-085040-5001		<p>"H" definition</p> 
LED	Fortimo SLM 1205 L13 G7		
LES / LED Size	Φ 13 mm		
FWHM (D50)	16°		
Field Angle (D10)	32°		
H (distance)	3.65mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	1923 lm	Measured @ 17.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

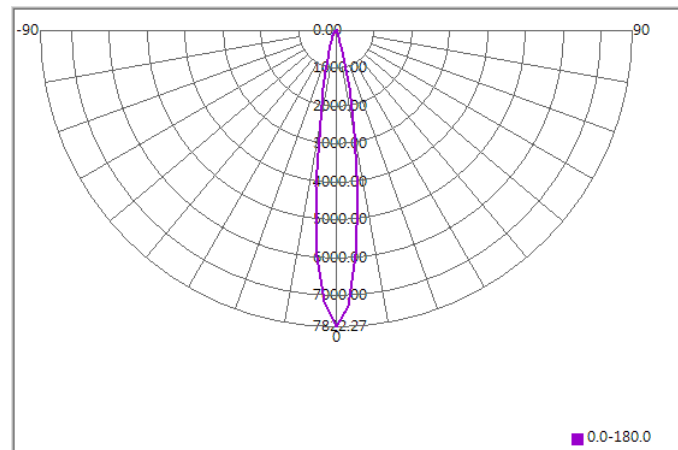




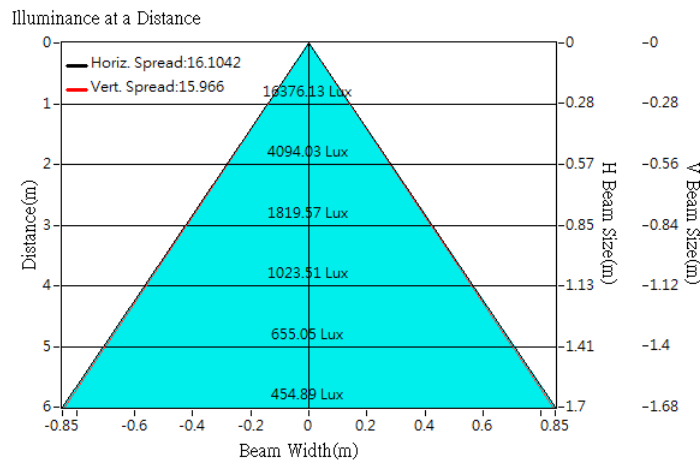
Optical Characteristics

Model Number	CKO-CH15-085040-5001		<p>"H" definition</p>
LED	Fortimo SLM PW 1205 L13 G6		
LES / LED Size	Φ 13 mm		
FWHM (D50)	16°		
Field Angle (D10)	32°		
H (distance)	3.65mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2093 lm	Measured @ 17.8 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

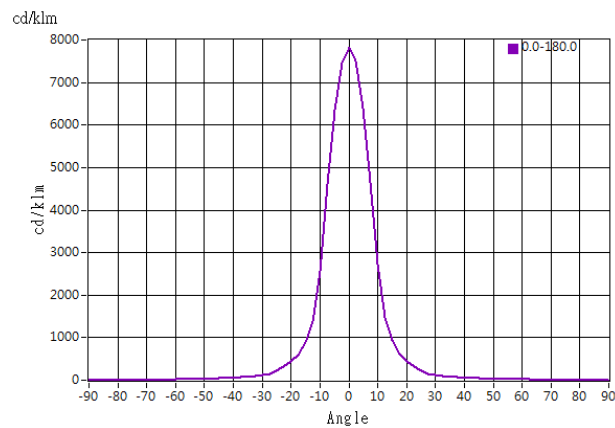




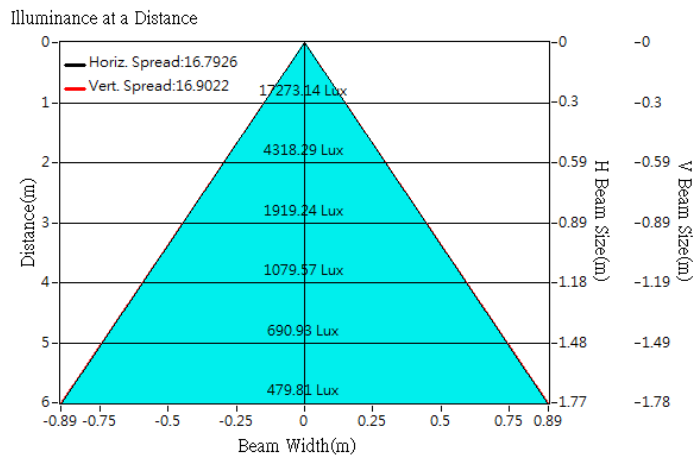
Optical Characteristics

Model Number	CKO-CH15-085040-5001		
LED	Fortimo SLM C 1205 L13 2024 G6_DL		
LES / LED Size	Φ 13 mm		
FWHM (D50)	16°		
Field Angle (D10)	32°		
H (distance)	3.5mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2204 lm	Measured @ 17.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

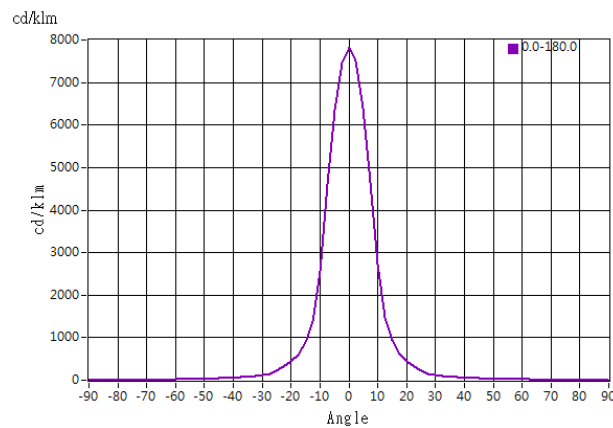




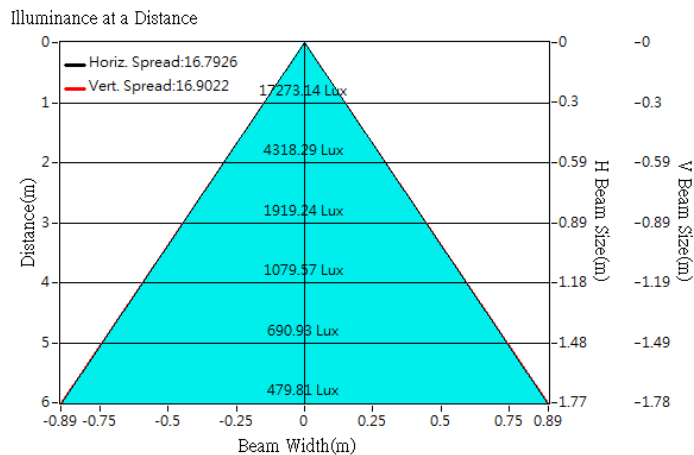
Optical Characteristics

Model Number	CKO-CH15-085040-5001		<p>"H" definition</p> <p>LES</p> <p>CoB</p>
LED	Fortimo SLM C 1205 L13 2024 G6_PI		
LES / LED Size	Φ 13 mm		
FWHM (D50)	16°		
Field Angle (D10)	32°		
H (distance)	3.5mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2204 lm	Measured @ 17.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

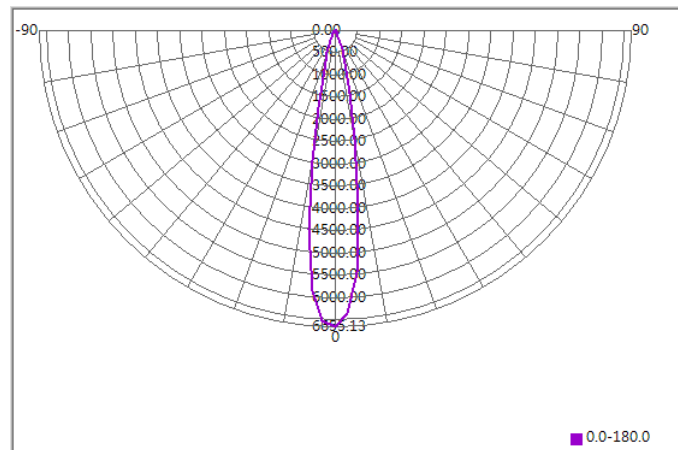




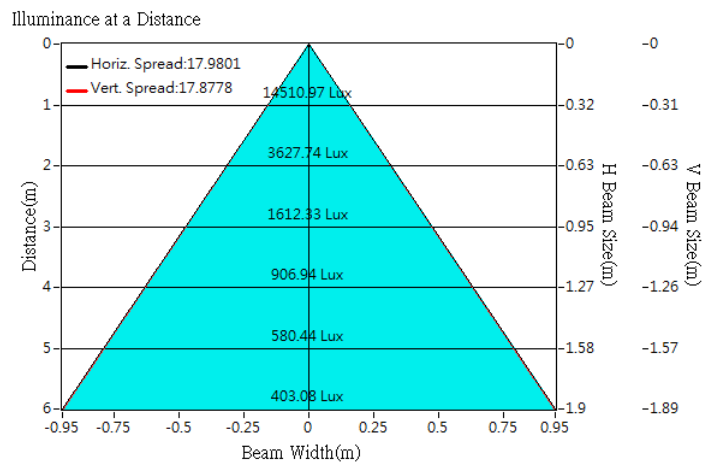
Optical Characteristics

Model Number	CKO-CH15-085040-5001		<p>"H" definition</p>
LED	Fortimo SLM 1205 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	17°		
Field Angle (D10)	35°		
H (distance)	3.65mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2180 lm	Measured @ 15.4 W	
Material	PC / UL94V2		

cd/klm

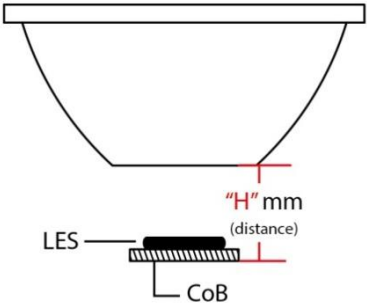


Illuminance At Distances

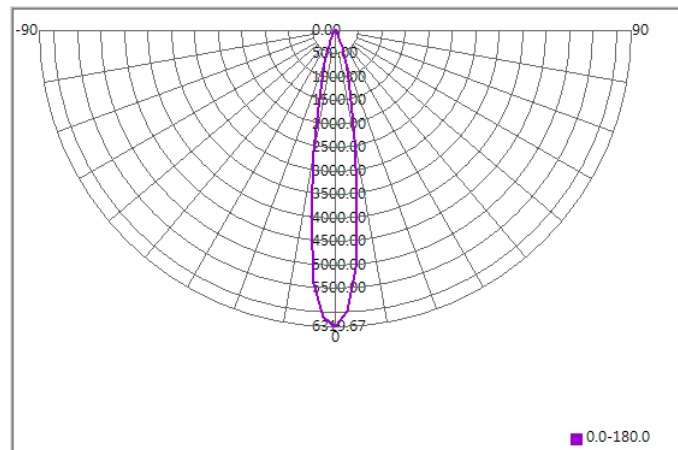




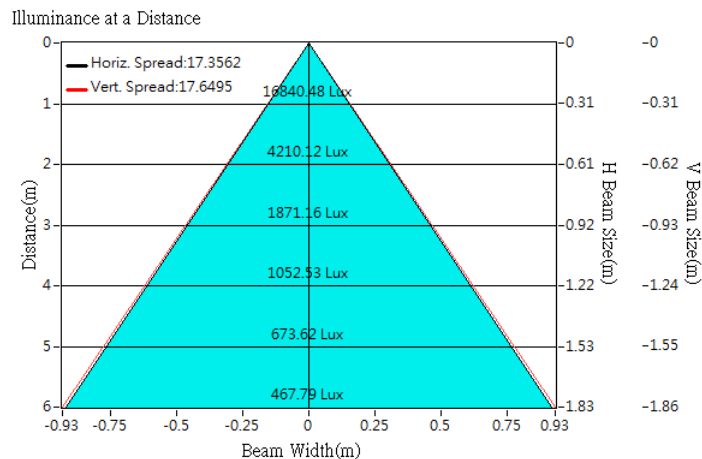
Optical Characteristics

Model Number	CKO-CH15-085040-5001		<p>"H" definition</p> 
LED	Fortimo SLM 1206 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	17°		
Field Angle (D10)	37°		
H (distance)	3.65mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2664 lm	Measured @ 18.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

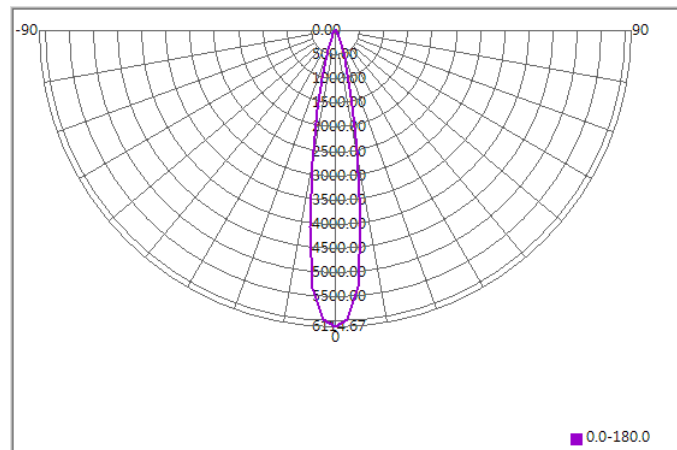




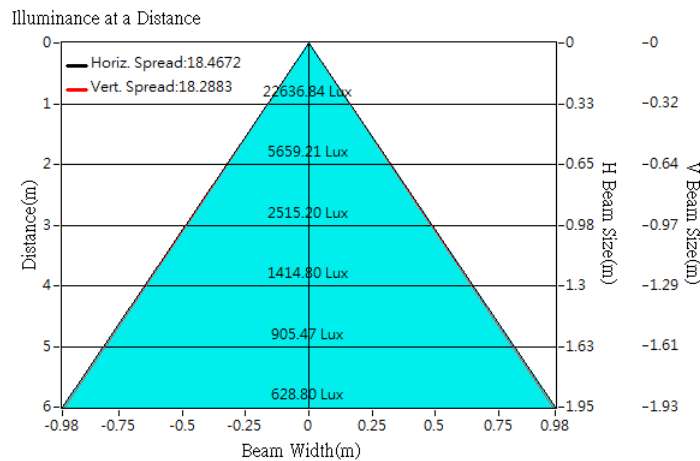
Optical Characteristics

Model Number	CKO-CH15-085040-5001	<p>"H" definition</p> <p>LES CoB</p>
LED	Fortimo SLM 1208 L15 G7N	
LES / LED Size	Φ 14.5 mm	
FWHM (D50)	18°	
Field Angle (D10)	38°	
H (distance)	3.65mm	
Dimension	Φ =85 mm, Thickness=39.7 mm	
Luminous Flux	3702 lm	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

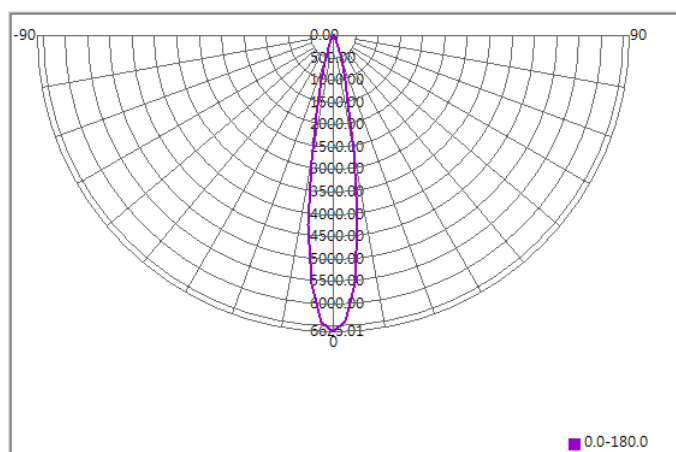




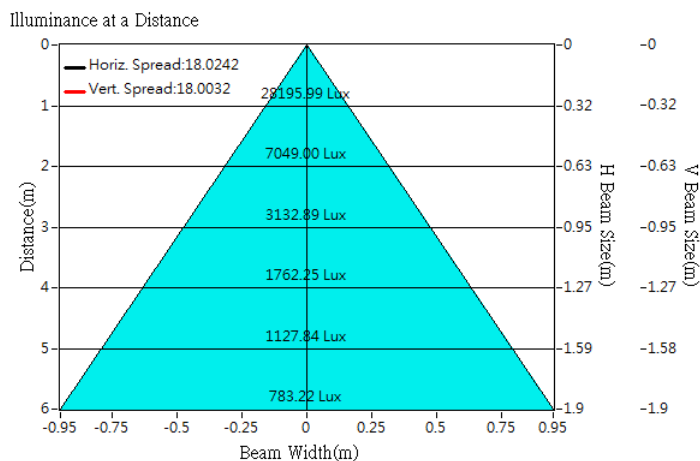
Optical Characteristics

Model Number	CKO-CH15-085040-5001		<p>"H" definition</p> <p>LES CoB</p>
LED	Fortimo SLM 1210 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	18°		
Field Angle (D10)	35°		
H (distance)	3.65mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	4255 lm	Measured @ 31 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

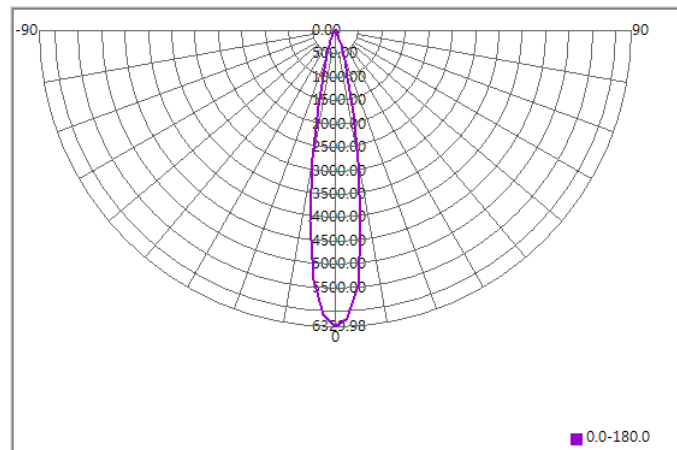




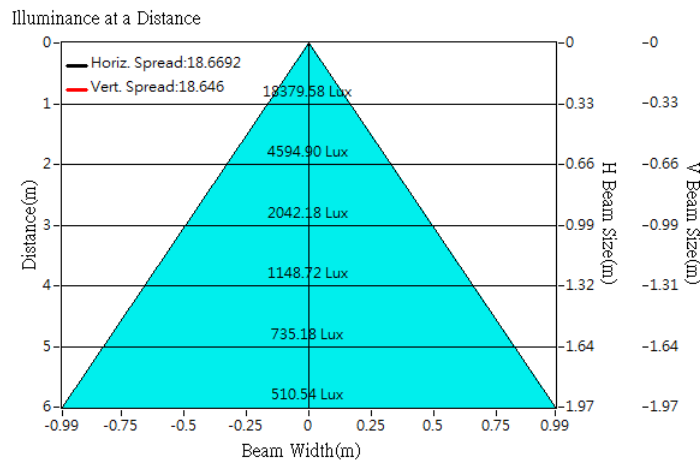
Optical Characteristics

Model Number	CKO-CH15-085040-5001		<p>"H" definition</p> <p>LES CoB "H" mm (distance)</p>
LED	Fortimo SLM 1208 L15 G7		
LES / LED Size	Φ 15 mm		
FWHM (D50)	18°		
Field Angle (D10)	36°		
H (distance)	3.65mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2903 lm	Measured @ 26.2 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

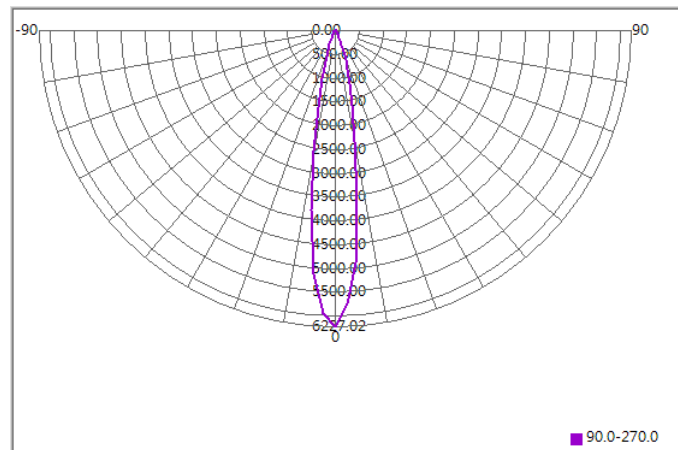




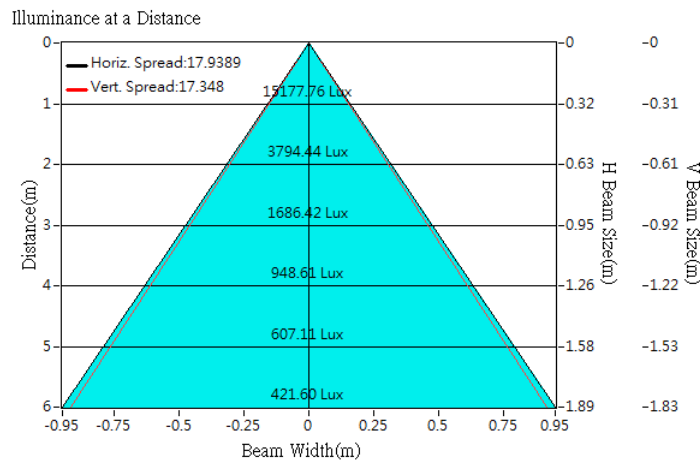
Optical Characteristics

Model Number	CKO-CH15-085040-5001	<p>"H" definition</p>
LED	Fortimo SLM 1208 L15 G6	
LES / LED Size	Φ 15 mm	
FWHM (D50)	17°	
Field Angle (D10)	39°	
H (distance)	3.65mm	
Dimension	Φ =85 mm, Thickness=39.7 mm	
Luminous Flux	2437 lm	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

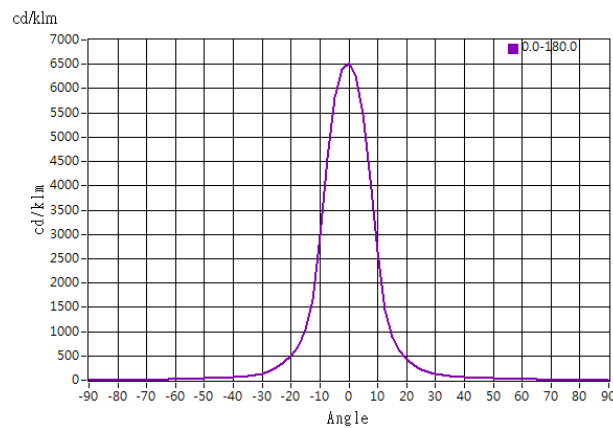




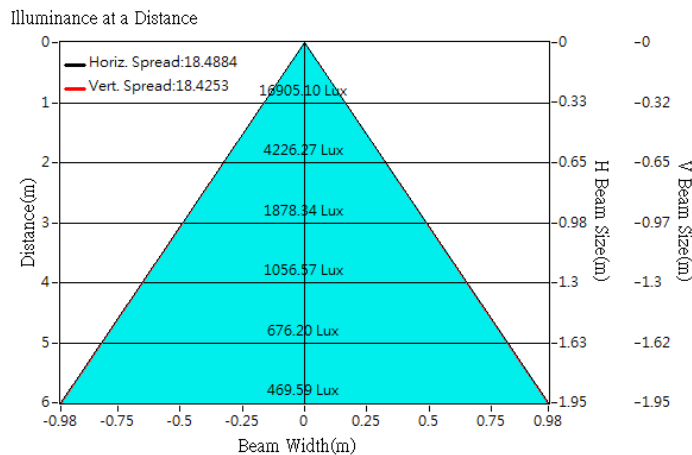
Optical Characteristics

Model Number	CKO-CH15-085040-5001		
LED	Fortimo SLM C 1208 L15 2024 G6_DL		
LES / LED Size	Φ 15 mm		
FWHM (D50)	18°		
Field Angle (D10)	35°		
H (distance)	3.5mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2590 lm	Measured @ 26.8 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

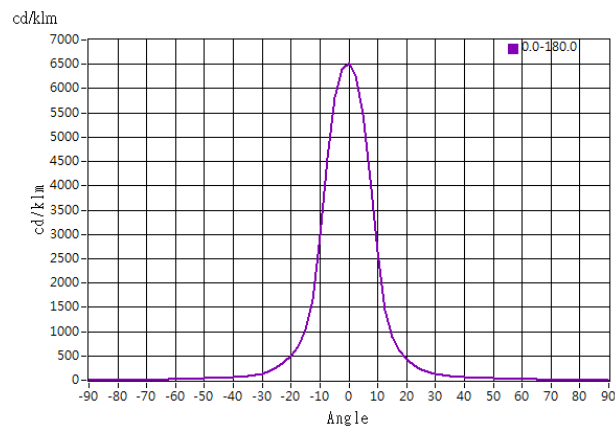




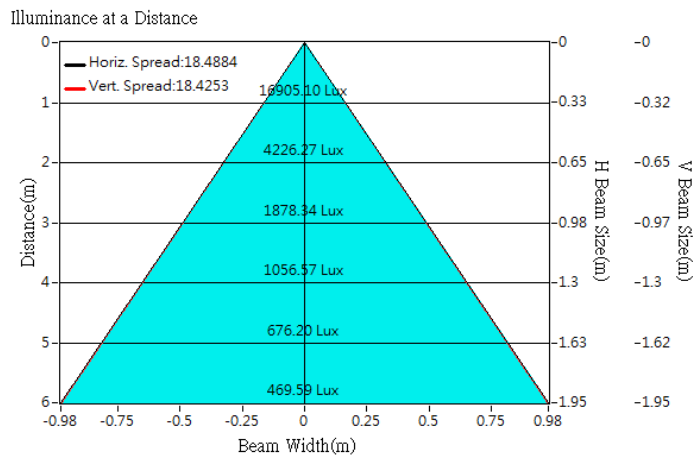
Optical Characteristics

Model Number	CKO-CH15-085040-5001		
LED	Fortimo SLM C 1208 L15 2024 G6_PI		
LES / LED Size	Φ 15 mm		
FWHM (D50)	18°		
Field Angle (D10)	35°		
H (distance)	3.5mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2590 lm	Measured @ 26.8 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

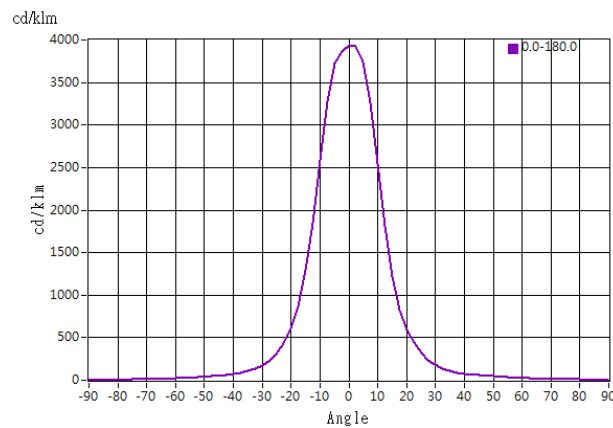




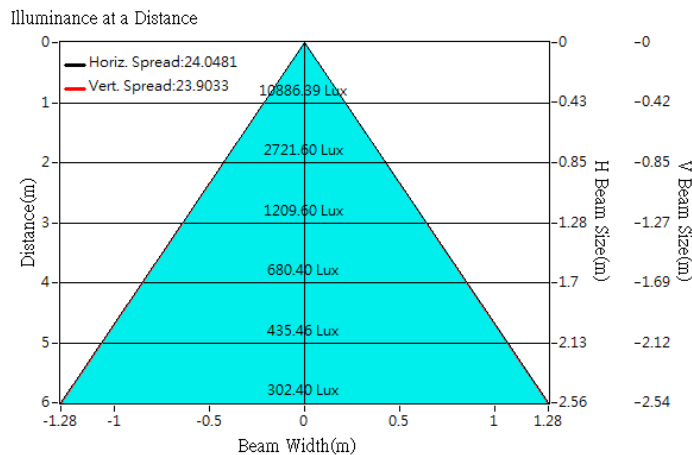
Optical Characteristics

Model Number	CKO-CH15-085040-5001		
LED	Fortimo SLM C 1211 L19 2828 G6_DL		
LES / LED Size	Φ 19 mm		
FWHM (D50)	24°		
Field Angle (D10)	47°		
H (distance)	3.5mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2763 lm	Measured @ 35.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

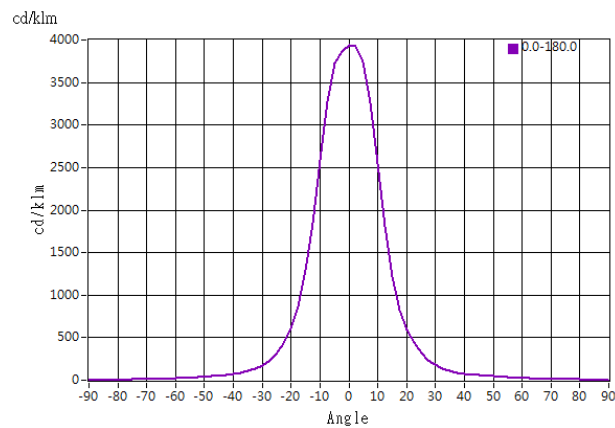




Optical Characteristics

Model Number	CKO-CH15-085040-5001		
LED	Fortimo SLM C 1211 L19 2828 G6_PI		
LES / LED Size	Φ 19 mm		
FWHM (D50)	24°		
Field Angle (D10)	47°		
H (distance)	3.5mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2763 lm	Measured @ 35.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

