



Product Model Number

CKO-CS15-075033-4001

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

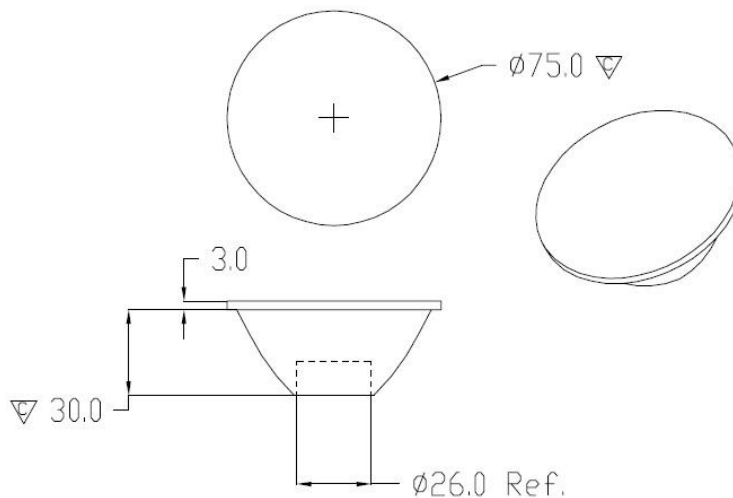


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

- 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) : Φ75 x 33



∇ :Critical Dimension



✓ Optical Characteristics – Angle Performances

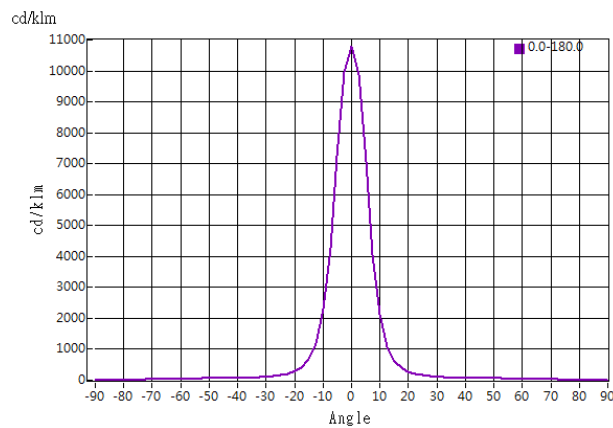
Philips	LED LES (mm)	FWHM (degrees)	Field Angle (degrees)
Fortimo SLM 1203 L09 G6	Φ9	12°	26°
Fortimo SLM 1203 L09 G6_DL	Φ9	13°	26°
Fortimo SLM 1203 L09 G6_PI	Φ9	13°	26°
Fortimo SLM PW 1204 L09 G7	Φ9	12°	25°
Fortimo SLM 1202 L09 G7N	Φ9.8	14°	30°
Fortimo SLM 1203 L09 G7N	Φ9.8	14°	29°
Fortimo SLM 1204 L09 G7N	Φ9.8	14°	29°
Fortimo SLM 1205 L13 G7	Φ13	18°	35°
Fortimo SLM PW 1205 L13 G6	Φ13	18°	36°
Fortimo SLM PW 1205 L13 G6_DL	Φ13	18°	36°
Fortimo SLM PW 1205 L13 G6_PI	Φ13	18°	36°
Fortimo SLM 1205 L15 G7N	Φ14.5	20°	38°
Fortimo SLM 1206 L15 G7N	Φ14.5	20°	38°
Fortimo SLM 1208 L15 G7N	Φ14.5	19°	38°
Fortimo SLM 1208 L15 G7	Φ15	21°	38°
Fortimo SLM 1208 L15 G6	Φ15	20°	39°
Fortimo SLM 1208 L15 G6_DL	Φ15	21°	39°
Fortimo SLM 1208 L15 G6_PI	Φ15	21°	39°
Fortimo SLM 1211 L19 G6	Φ19	25°	48°
Fortimo SLM 1211 L19 G6_DL	Φ19	26°	48°
Fortimo SLM 1211 L19 G6_PI	Φ19	26°	48°
Fortimo SLM 1211 L22 G7N	Φ22	29°	55°



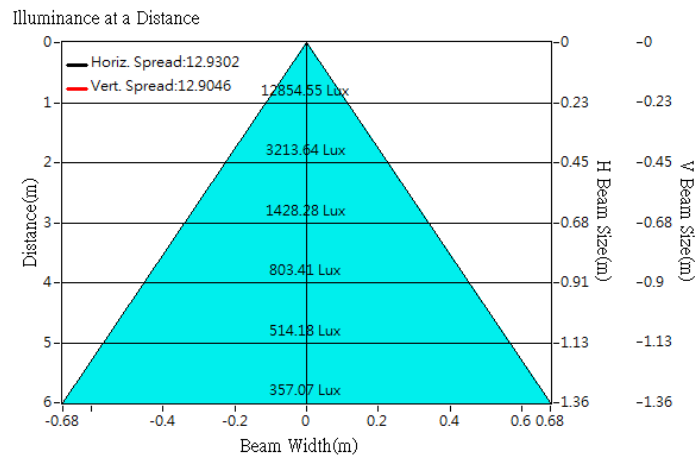
Optical Characteristics

Model Number	CKO-CS15-075033-4001		<p>"H" definition</p>
LED	Fortimo SLM 1203 L09 G6		
LES / LED Size	Φ 9 mm		
FWHM (D50)	12°		
Field Angle (D10)	26°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	1190 lm	Measured @ 10.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

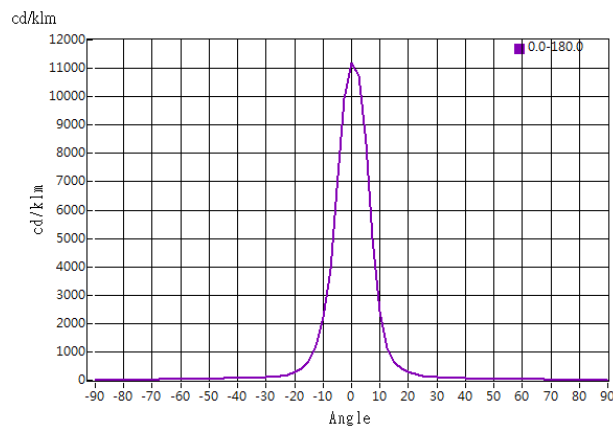




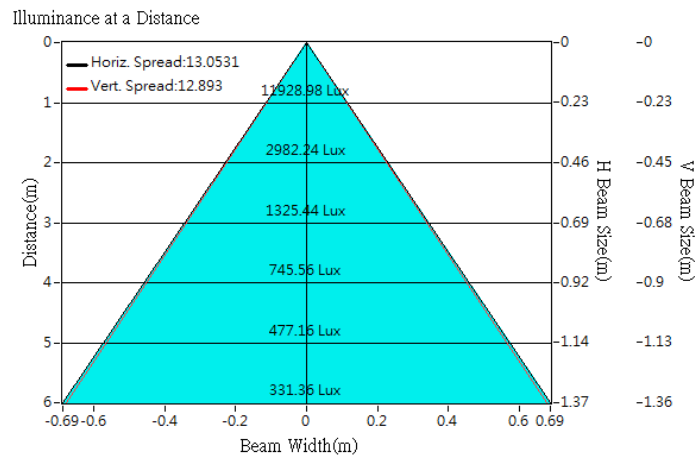
Optical Characteristics

Model Number	CKO-CS15-075033-4001		
LED	Fortimo SLM C 1203 L09 1619 G6_DL		
LES / LED Size	Φ 9 mm		
FWHM (D50)	13°		
Field Angle (D10)	26°		
H (distance)	3.5 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	1065 lm	Measured @ 10.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

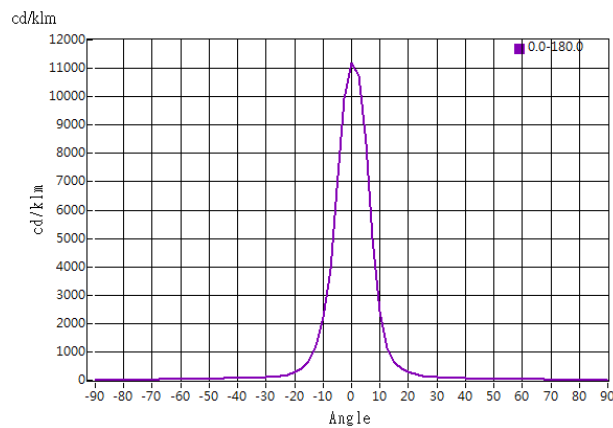




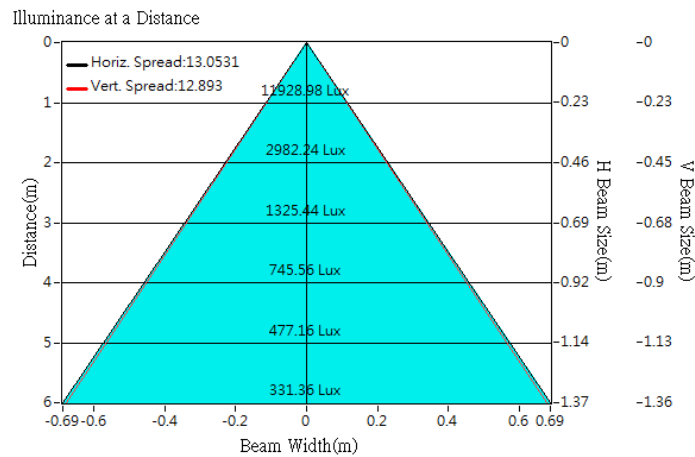
Optical Characteristics

Model Number	CKO-CS15-075033-4001		
LED	Fortimo SLM C 1203 L09 1619 G6_PI		
LES / LED Size	Φ 9 mm		
FWHM (D50)	13°		
Field Angle (D10)	26°		
H (distance)	3.5 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	1065 lm	Measured @ 10.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

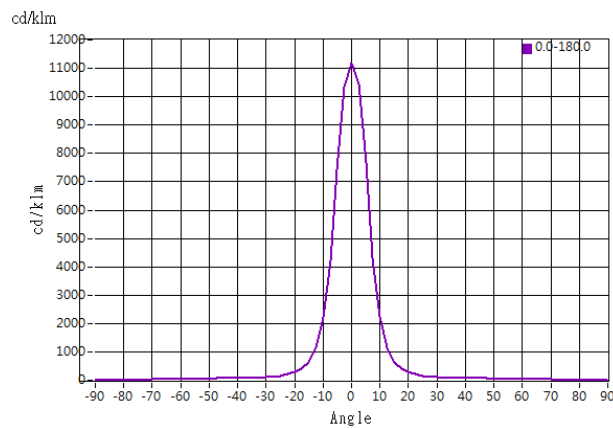




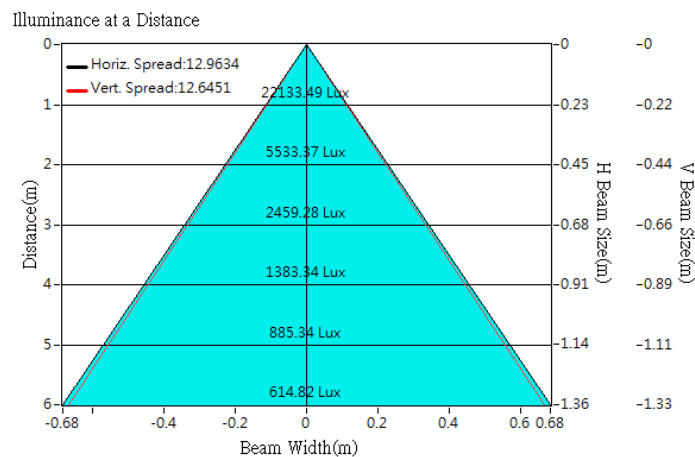
Optical Characteristics

Model Number	CKO-CS15-075033-4001		<p>"H" definition</p>
LED	Fortimo SLM PW 1204 L09 G7		
LES / LED Size	Φ 9 mm		
FWHM (D50)	12°		
Field Angle (D10)	25°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	1978 lm	Measured @ 21.6 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

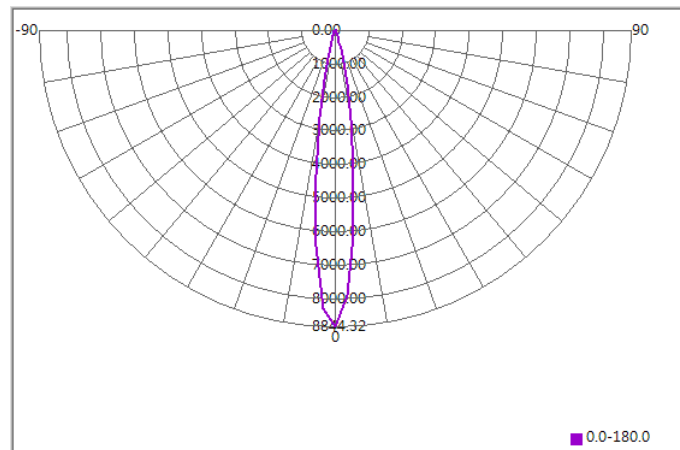




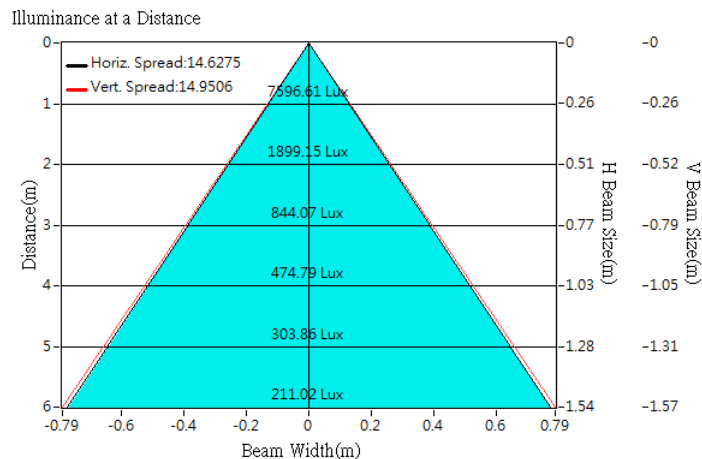
Optical Characteristics

Model Number	CKO-CS15-075033-4001		<p>"H" definition</p>
LED	Fortimo SLM 1202 L09 G7N		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	14°		
Field Angle (D10)	30°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	858 lm	Measured @ 6.1 W	
Material	PC / UL94V2		

cd/klm

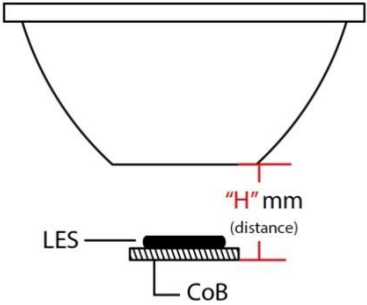


Illuminance At Distances

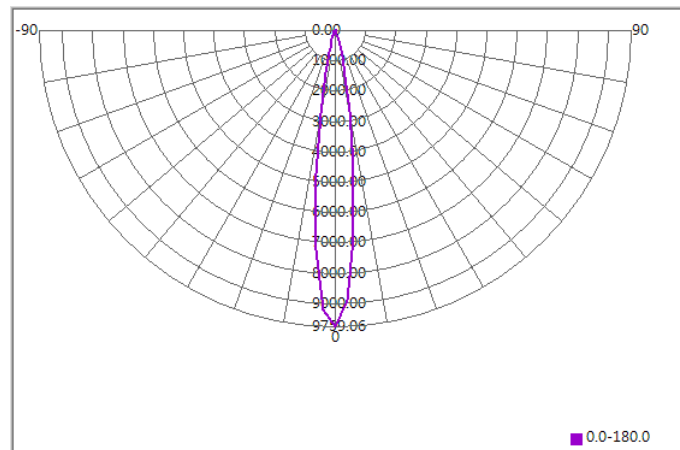




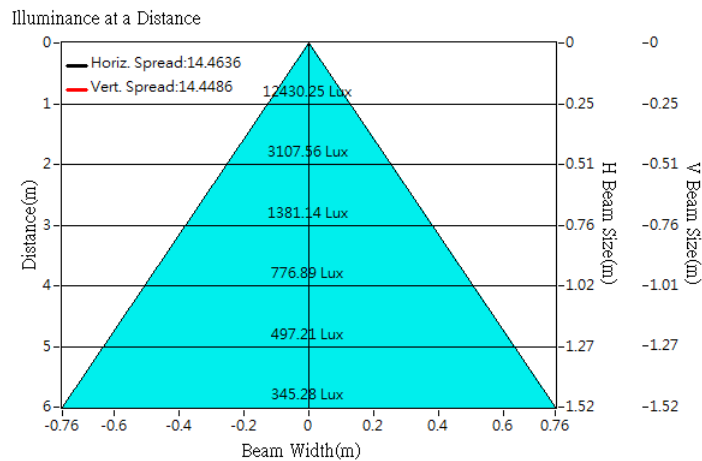
Optical Characteristics

Model Number	CKO-CS15-075033-4001		<p>"H" definition</p> 
LED	Fortimo SLM 1203 L09 G7N		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	14°		
Field Angle (D10)	29°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	1273 lm	Measured @ 9.2 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

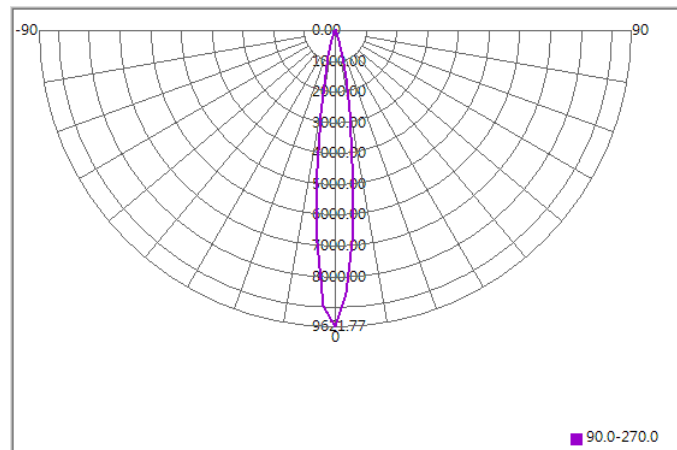




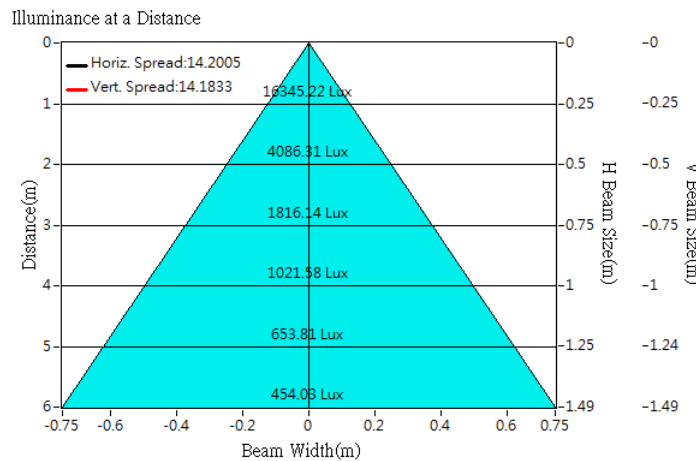
Optical Characteristics

Model Number	CKO-CS15-075033-4001		<p>"H" definition</p>
LED	Fortimo SLM 1204 L09 G7N		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	14°		
Field Angle (D10)	29°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	1698 lm	Measured @ 12.3 W	
Material	PC / UL94V2		

cd/klm

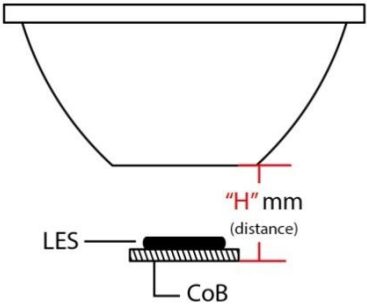


Illuminance At Distances

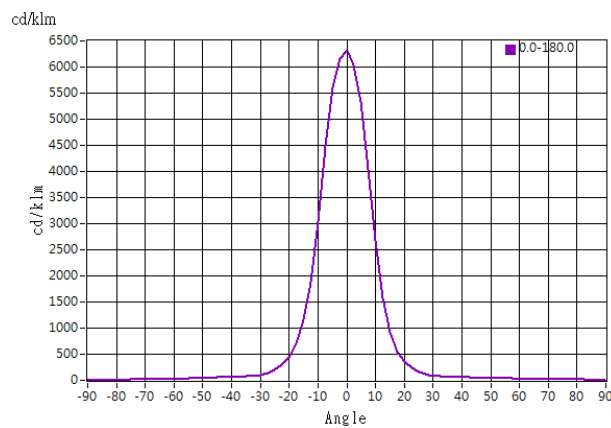




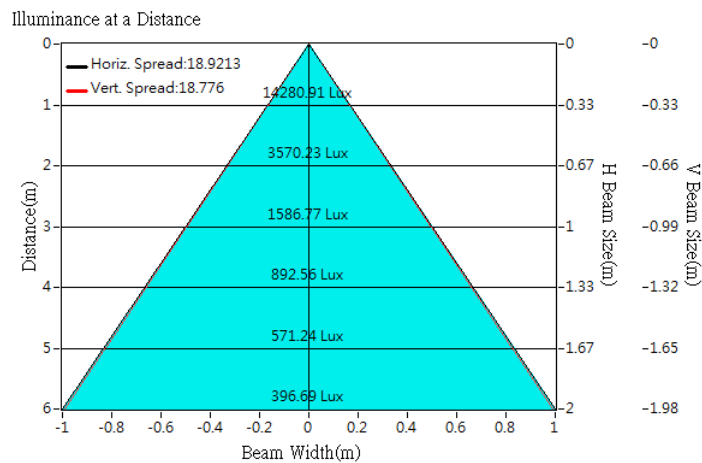
Optical Characteristics

Model Number	CKO-CS15-075033-4001		<p>"H" definition</p> 
LED	Fortimo SLM 1205 L13 G7		
LES / LED Size	Φ 13 mm		
FWHM (D50)	18°		
Field Angle (D10)	35°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2261 lm	Measured @ 17.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

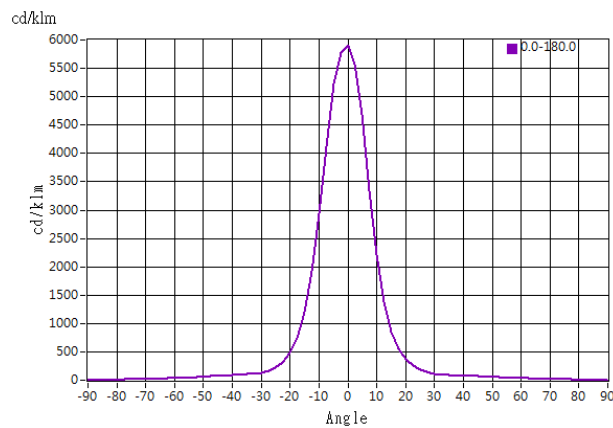




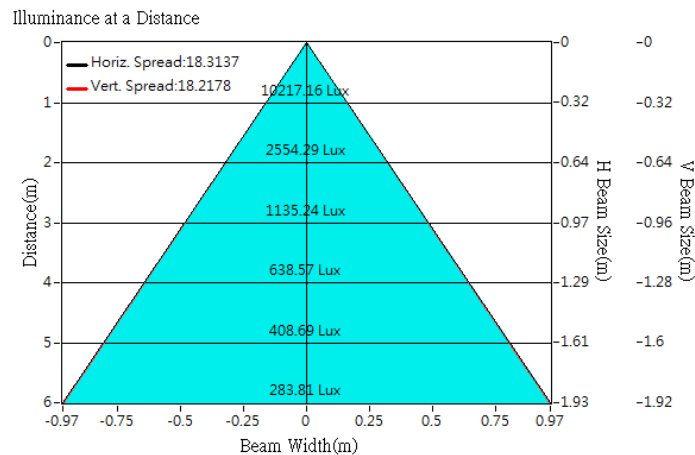
Optical Characteristics

Model Number	CKO-CS15-075033-4001		<p>"H" definition</p>
LED	Fortimo SLM PW 1205 L13 G6		
LES / LED Size	Φ 13 mm		
FWHM (D50)	18°		
Field Angle (D10)	36°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	1728 lm	Measured @ 13.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

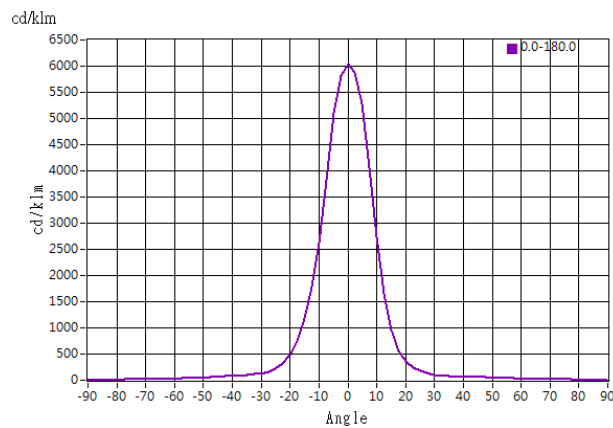




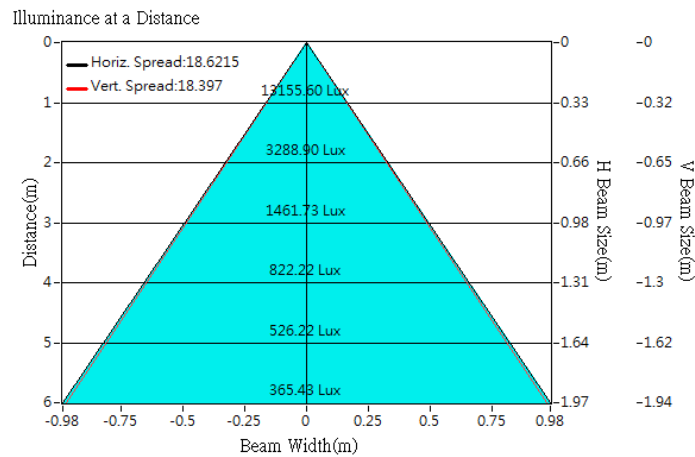
Optical Characteristics

Model Number	CKO-CS15-075033-4001		<p>"H" definition</p>
LED	Fortimo SLM PW 1205 L13 G6_DL		
LES / LED Size	Φ 13 mm		
FWHM (D50)	18°		
Field Angle (D10)	36°		
H (distance)	3.5 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2175 lm	Measured @ 17.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

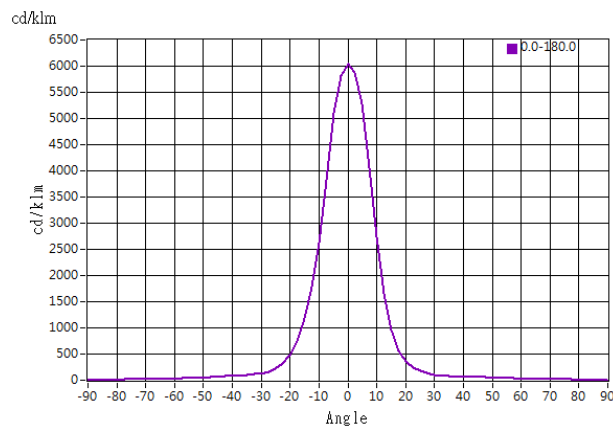




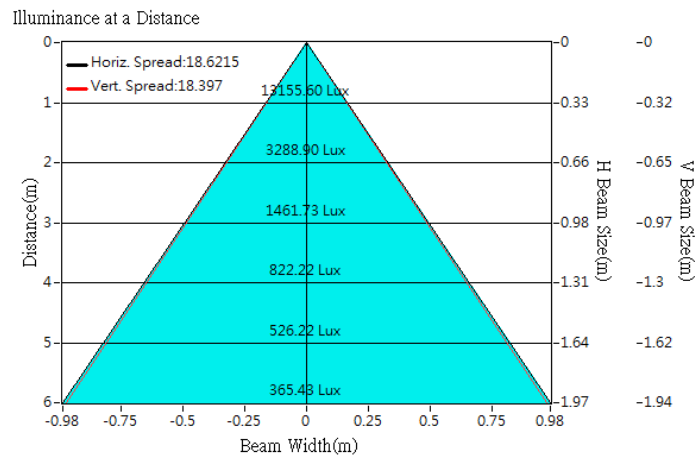
Optical Characteristics

Model Number	CKO-CS15-075033-4001		<p>"H" definition</p>
LED	Fortimo SLM PW 1205 L13 G6_PI		
LES / LED Size	Φ 13 mm		
FWHM (D50)	18°		
Field Angle (D10)	36°		
H (distance)	3.5 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2175 lm	Measured @ 17.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

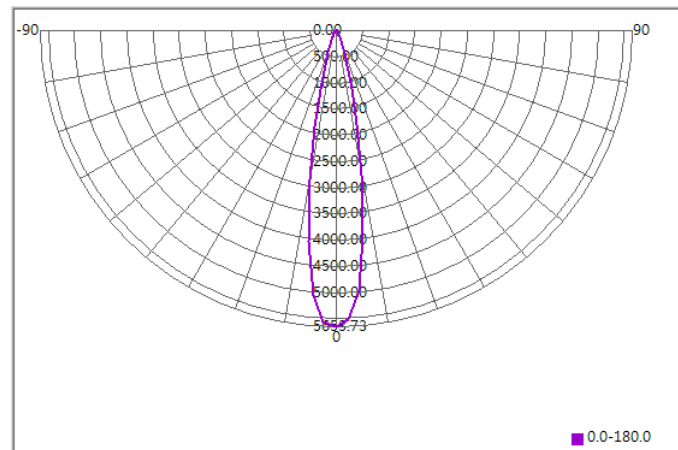




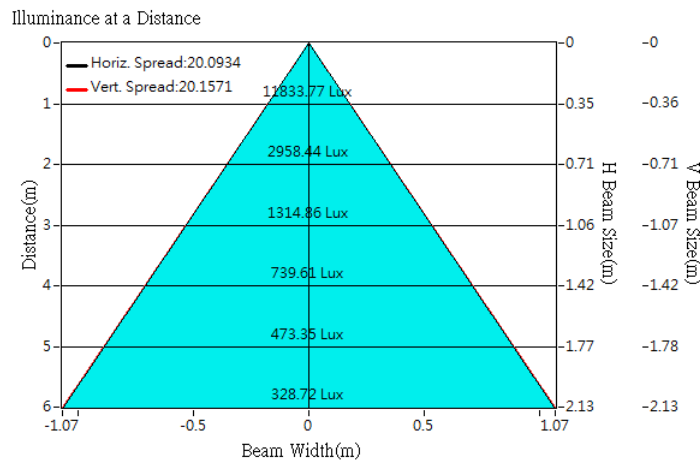
Optical Characteristics

Model Number	CKO-CS15-075033-4001		
LED	Fortimo SLM 1205 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	20°		
Field Angle (D10)	38°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2093 lm	Measured @ 15.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

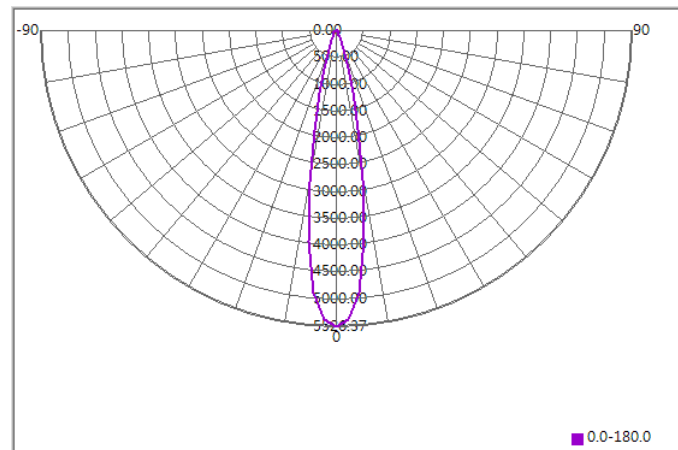




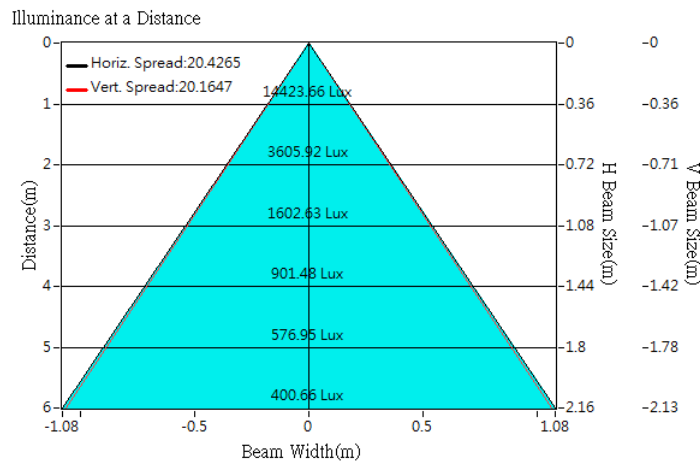
Optical Characteristics

Model Number	CKO-CS15-075033-4001		
LED	Fortimo SLM 1206 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	20°		
Field Angle (D10)	38°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2609 lm	Measured @ 18.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

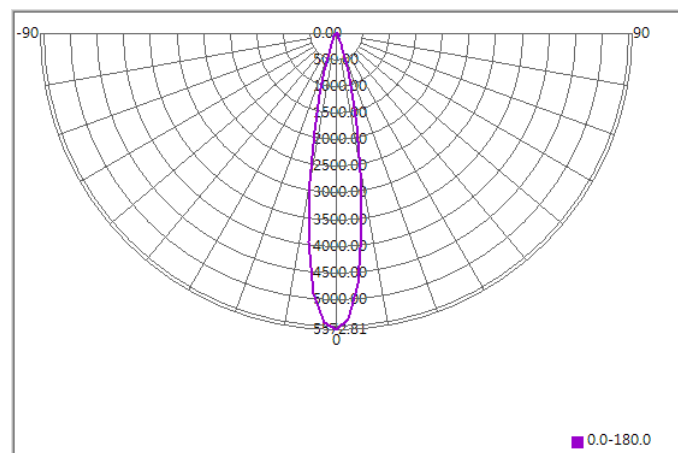




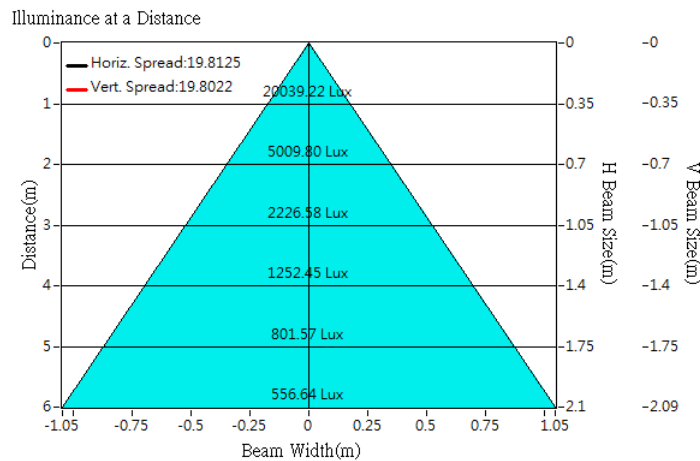
Optical Characteristics

Model Number	CKO-CS15-075033-4001		<p>"H" definition</p>
LED	Fortimo SLM 1208 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	19°		
Field Angle (D10)	38°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	3595 lm	Measured @ 24.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

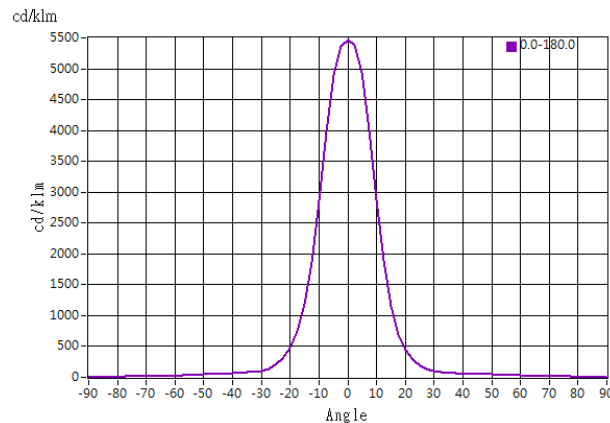




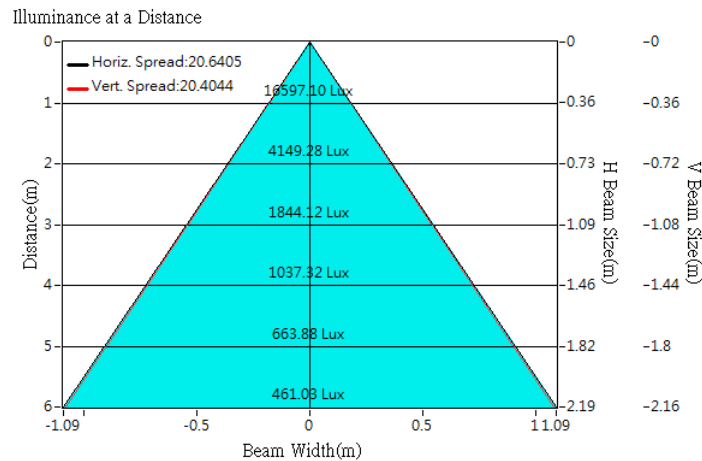
Optical Characteristics

Model Number	CKO-CS15-075033-4001		
LED	Fortimo SLM 1208 L15 G7		
LES / LED Size	Φ 15 mm		
FWHM (D50)	21°		
Field Angle (D10)	38°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	3033 lm	Measured @ 25.9 W	
Material	PC / UL94V2		

cd/klm

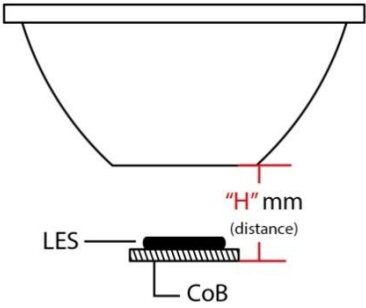


Illuminance At Distances

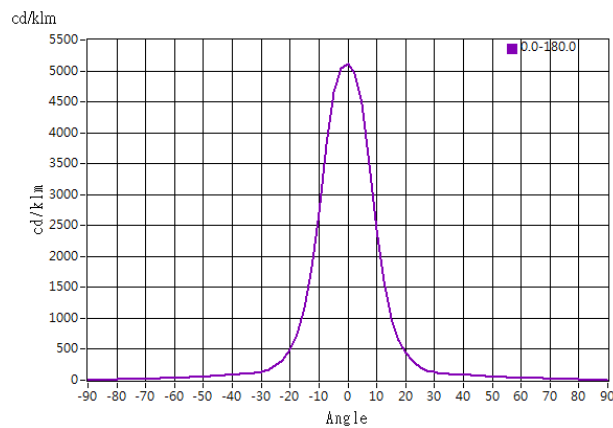




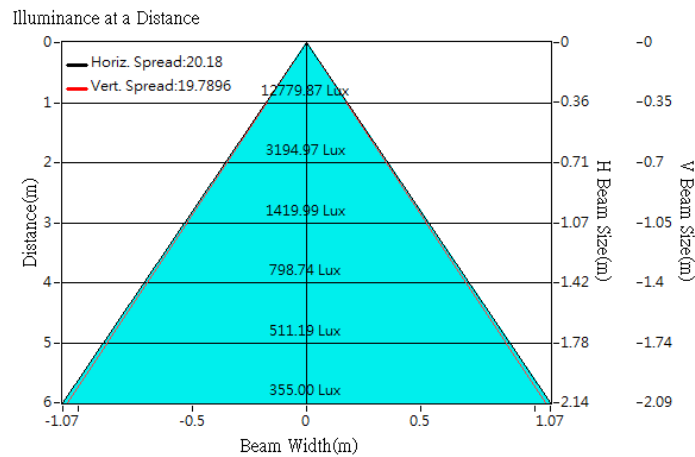
Optical Characteristics

Model Number	CKO-CS15-075033-4001		<p>"H" definition</p> 
LED	Fortimo SLM 1208 L15 G6		
LES / LED Size	Φ 15 mm		
FWHM (D50)	20°		
Field Angle (D10)	39°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2502 lm	Measured @ 26.8 W	
Material	PC / UL94V2		

cd/klm

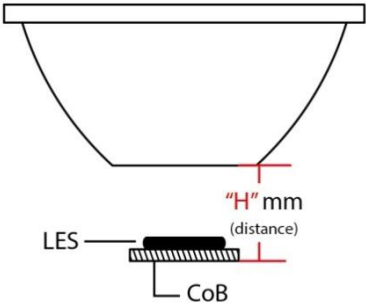


Illuminance At Distances

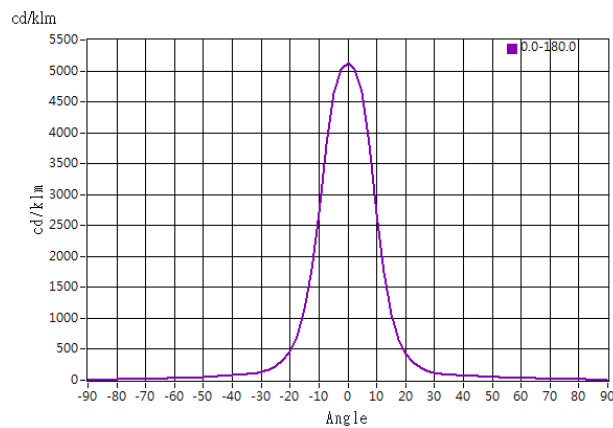




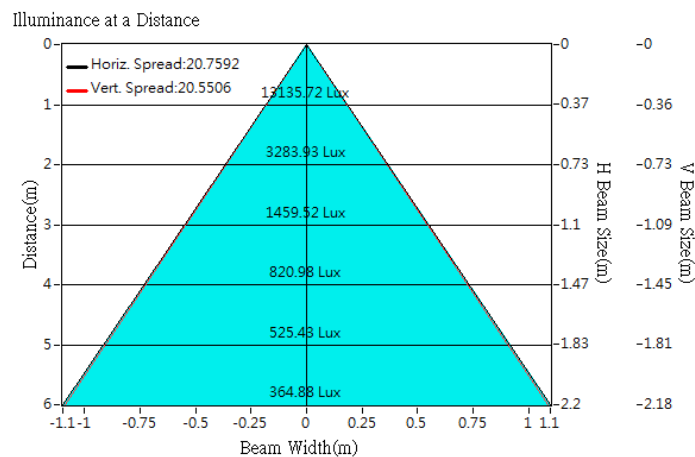
Optical Characteristics

Model Number	CKO-CS15-075033-4001		<p>"H" definition</p> 
LED	Fortimo SLM C 1208 L15 2024 G6_DL		
LES / LED Size	Φ 15 mm		
FWHM (D50)	21°		
Field Angle (D10)	39°		
H (distance)	3.5 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2564 lm	Measured @ 26.9 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

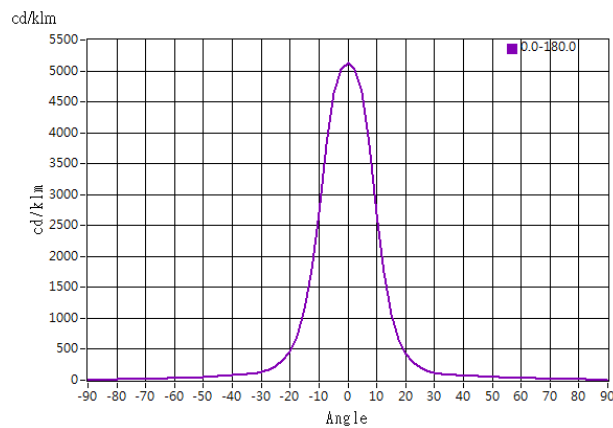




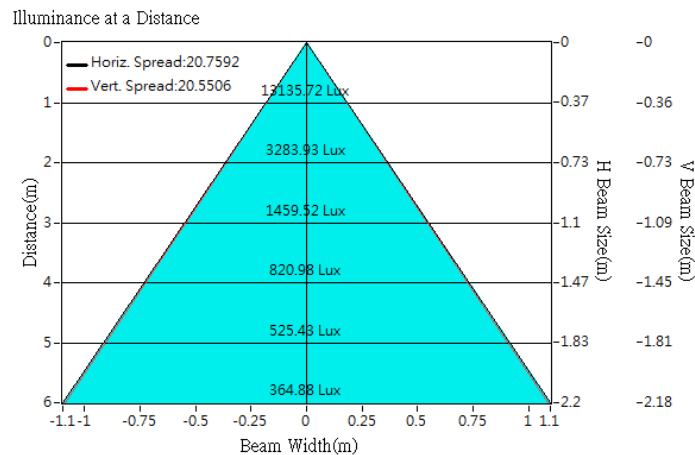
Optical Characteristics

Model Number	CKO-CS15-075033-4001		
LED	Fortimo SLM C 1208 L15 2024 G6_PI		
LES / LED Size	Φ 15 mm		
FWHM (D50)	21°		
Field Angle (D10)	39°		
H (distance)	3.5 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2564 lm	Measured @ 26.9 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

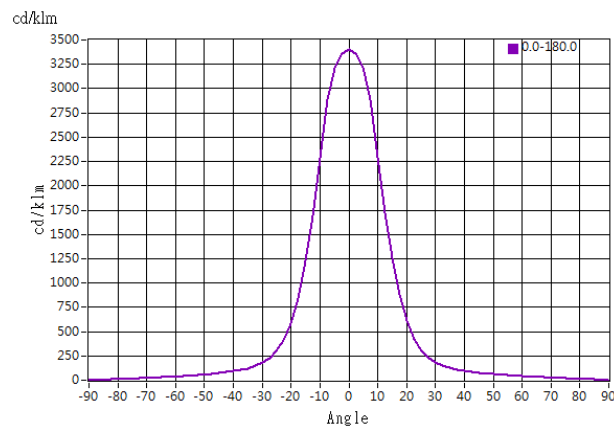




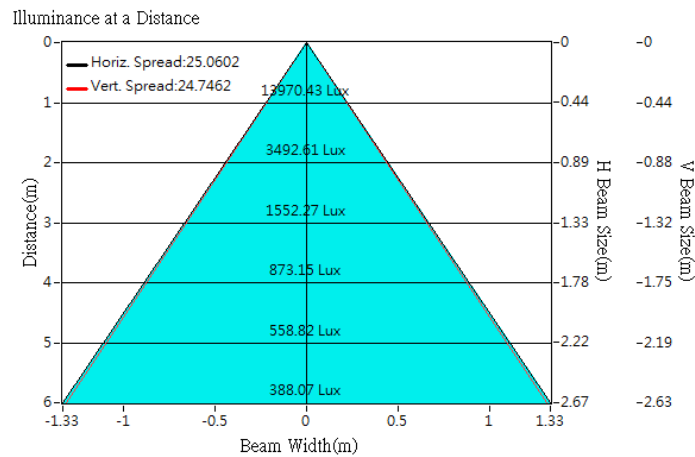
Optical Characteristics

Model Number	CKO-CS15-075033-4001		<p>"H" definition</p>
LED	Fortimo SLM 1211 L19 G6		
LES / LED Size	Φ 19 mm		
FWHM (D50)	25°		
Field Angle (D10)	48°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	4105 lm	Measured @ 36.0 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

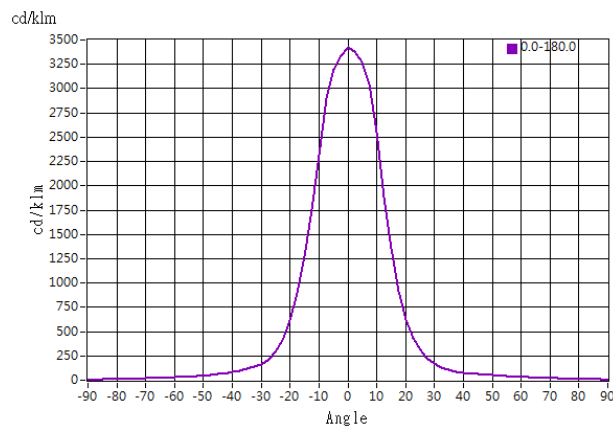




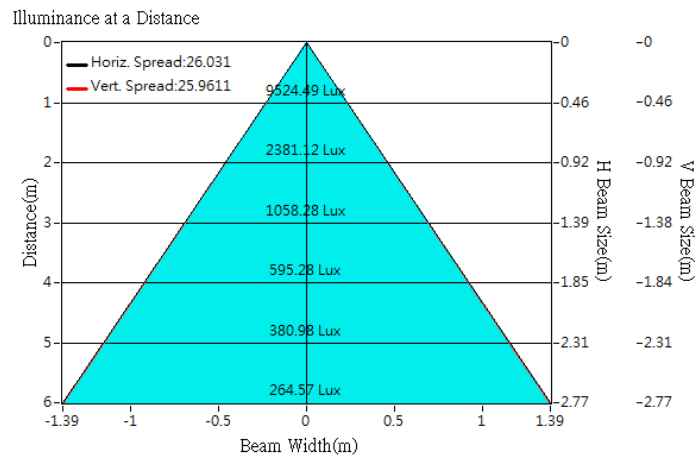
Optical Characteristics

Model Number	CKO-CS15-075033-4001		
LED	Fortimo SLM C 1211 L19 2828 G6_DL		
LES / LED Size	Φ 19 mm		
FWHM (D50)	26°		
Field Angle (D10)	48°		
H (distance)	3.5 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2782 lm	Measured @ 35.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

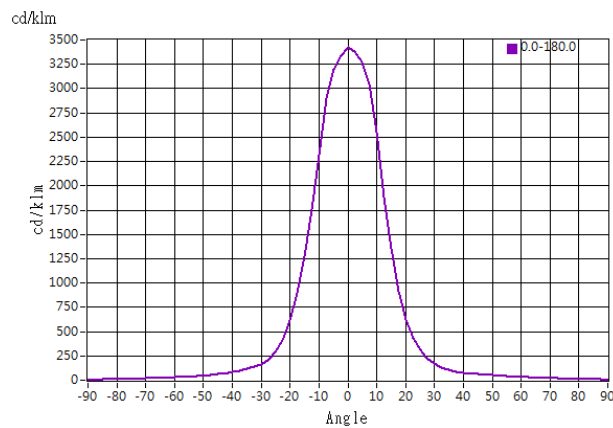




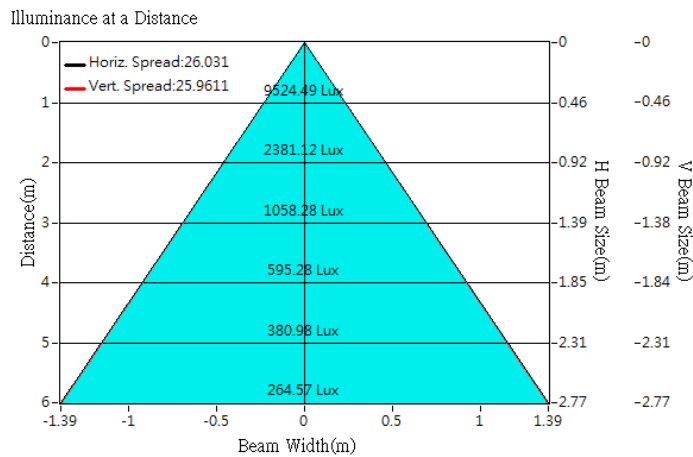
Optical Characteristics

Model Number	CKO-CS15-075033-4001		
LED	Fortimo SLM C 1211 L19 2828 G6_PI		
LES / LED Size	Φ 19 mm		
FWHM (D50)	26°		
Field Angle (D10)	48°		
H (distance)	3.5 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2782 lm	Measured @ 35.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

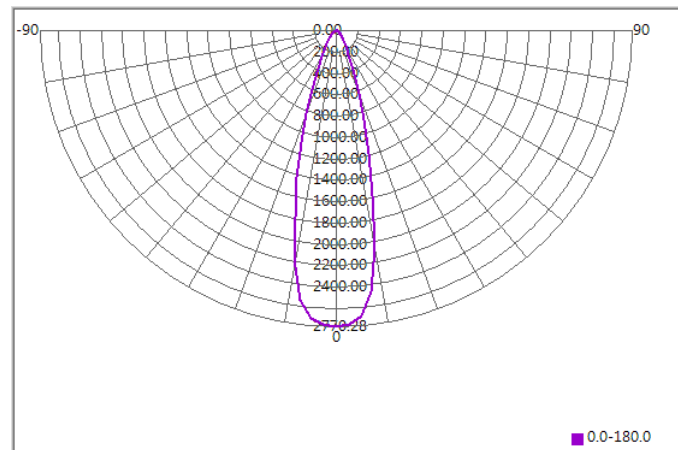




Optical Characteristics

Model Number	CKO-CS15-075033-4001		<p>"H" definition</p>
LED	Fortimo SLM 1211 L22 G7N		
LES / LED Size	Φ 22 mm		
FWHM (D50)	29°		
Field Angle (D10)	55°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	3926 lm	Measured @ 34.1 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

